

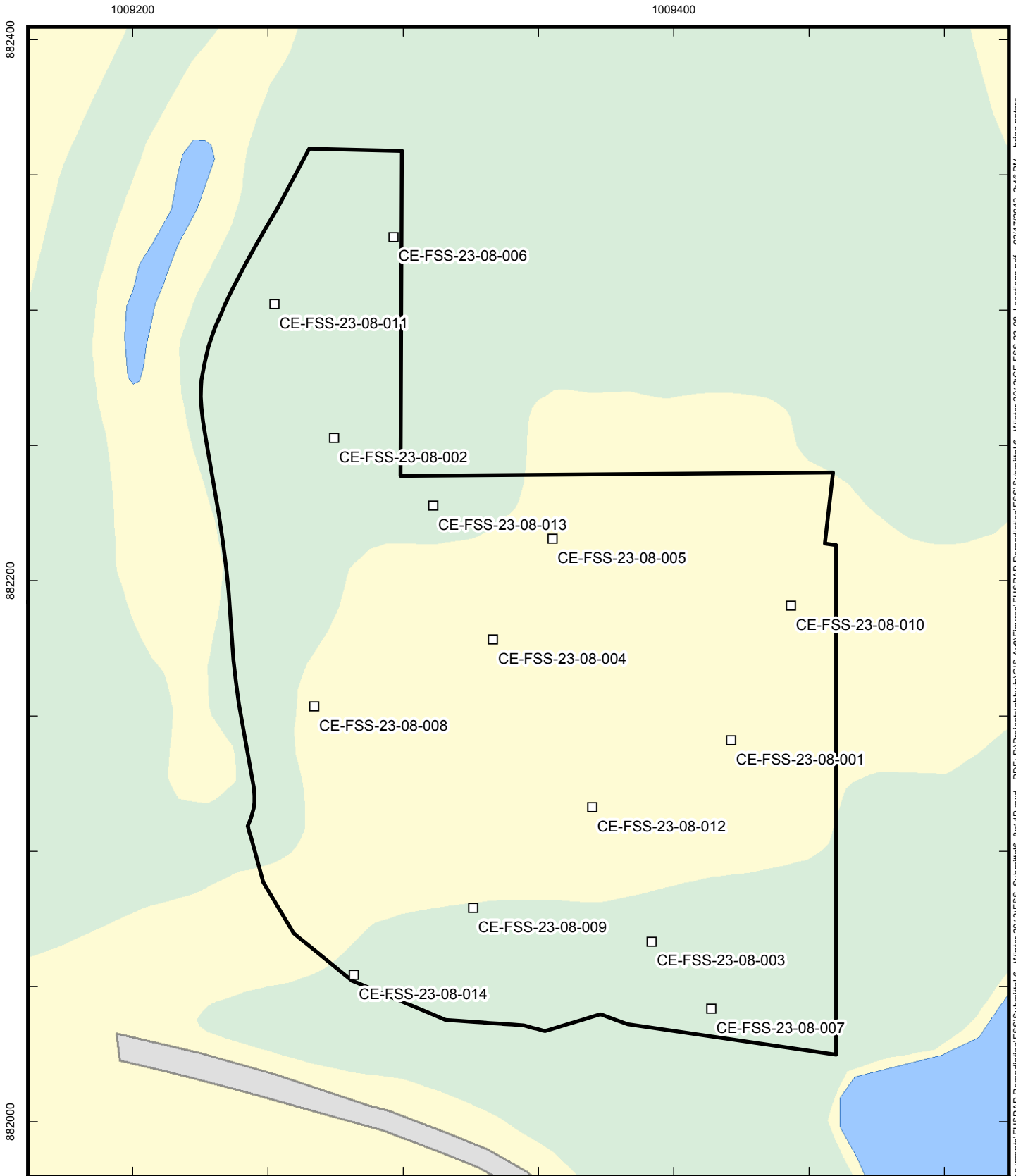
FINAL STATUS SURVEY REPORT

SUBMITTAL NUMBER 6

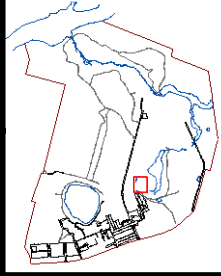
CE WINDSOR SITE
WINDSOR, CONNECTICUT

APPENDIX G

SURVEY UNIT CE-FSS-23-08
RESULTS AND DATA EVALUATION



CT State Plane NAD 83 Feet



Legend

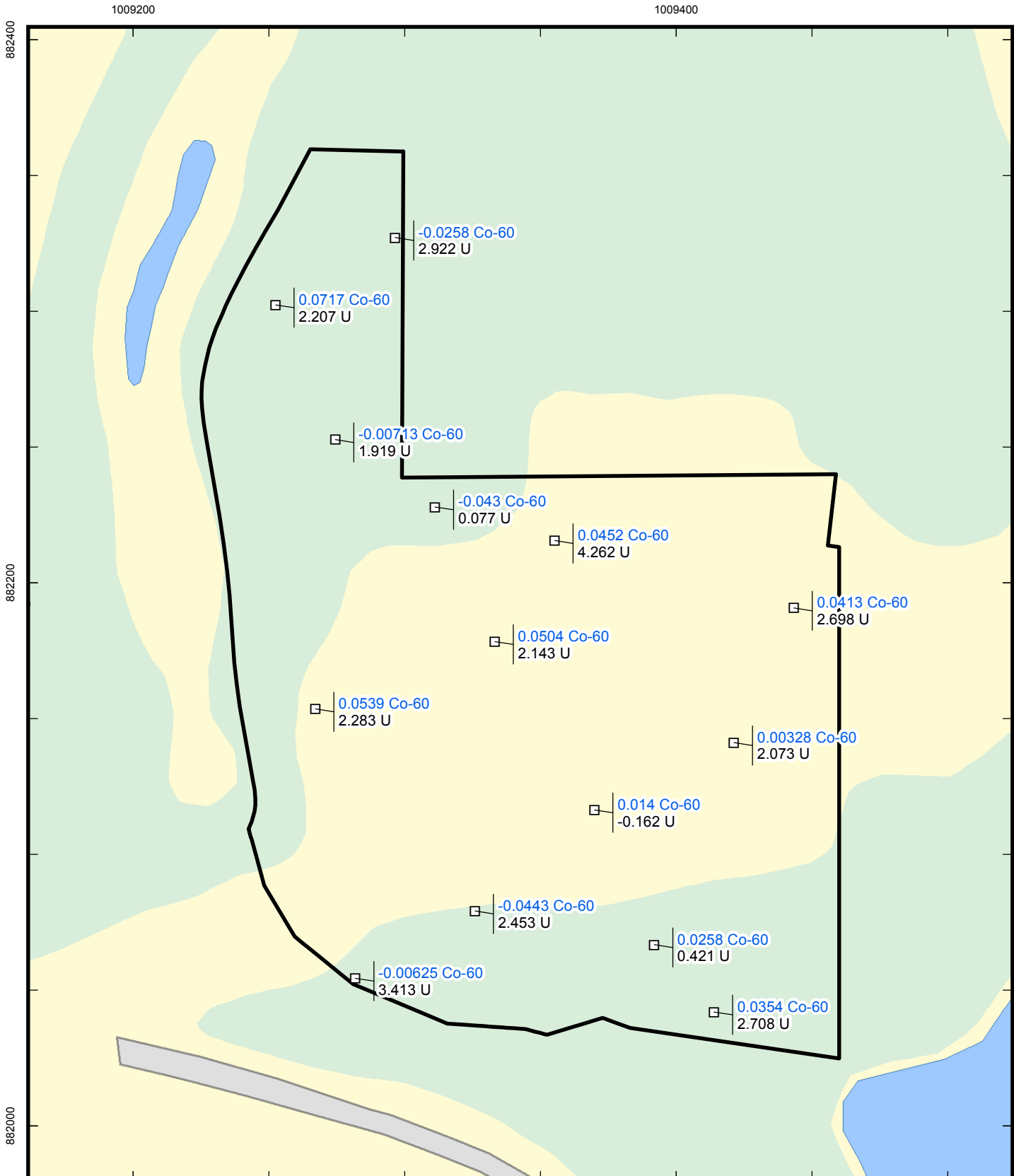
Sample Location	Road
CE-FSS-23-08	Forest
	Open
	Water

Prepared/Date: BRP 02/17/12 Checked/Date: GSM 02/17/12

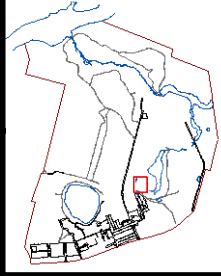
Sample Locations
Survey Unit CE-FSS-23-08

Final Status Survey
CE Windsor Site
Windsor, Connecticut

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CT State Plane NAD 83 Feet



Legend

Co-60 (pCi/g)
Total U (pCi/g)

□ Sample Location
▭ CE-FSS-23-08

▭ Road
▭ Forest
▭ Open
▭ Water

N
0 25 50 Feet

Prepared/Date: BRP 02/09/12 Checked/Date: GSM 02/09/12

Sample Results
Cobalt-60 and Total Uranium
Survey Unit CE-FSS-23-08
Final Status Survey
CE Windsor Site
Windsor, Connecticut



Document: P:\Projects\ABBWIN\GIS-Av8\MapDocuments\FUSRAP Remediation\FSS\Submittal 6 - Winter 2012\FSS_Submittal6_8x11P.mxd PDF: P:\Projects\ABBWIN\GIS-Av8\Figures\FUSRAP Remediation\FSS\Submittal 6 - Winter 2012\FSS-23-08_Co60_TotalU.pdf 02/09/2012 11:10 AM brian.peters

Survey Unit CE-FSS-23-08

Final Status Survey Volumetric Soil Sample Results

Sample ID	Co-60 (pCi/g)				Ra-226 (pCi/g)				Th-232 (pCi/g)				U-235 (pCi/g)				Total U (pCi/g)	Sum of Fraction
	Activity	Uncert.	MDC	Qualifier	Activity	Uncert.	MDC	Qualifier	Activity	Uncert.	MDC	Qualifier	Activity	Uncert.	MDC	Qualifier		
FSS-23-08-001	3.28E-03	8.62E-02	1.27E-01	U	6.81E-01	1.14E-01	2.32E-01		8.35E-01	9.46E-02	1.65E-01		6.69E-02	9.74E-02	1.46E-01	U	2.1	0.364
FSS-23-08-002	1.44E-02	7.99E-02	1.31E-01	U	5.33E-01	1.10E-01	1.62E-01		5.16E-01	1.23E-01	1.40E-01		6.26E-02	7.22E-02	1.20E-01	UI	1.9	0.254
FSS-23-08-002LR	-2.87E-02	1.02E-01	1.30E-01	U	4.90E-01	1.32E-01	1.54E-01		6.27E-01	9.38E-02	1.79E-01		6.12E-02	8.71E-02	1.31E-01	U	1.9	0.263
FSS-23-08-002LR-AVE	-7.13E-03				5.12E-01				5.71E-01				6.19E-02				1.9	0.259
FSS-23-08-003	2.58E-02	8.91E-02	1.47E-01	U	5.97E-01	9.83E-02	2.05E-01		6.89E-01	7.81E-02	1.26E-01		1.36E-02	9.57E-02	1.36E-01	U	0.4	0.311
FSS-23-08-004	5.04E-02	7.64E-02	1.43E-01	U	5.25E-01	1.13E-01	1.54E-01		6.32E-01	1.25E-01	2.97E-01		6.91E-02	7.79E-02	1.25E-01		2.1	0.289
FSS-23-08-005	4.52E-02	7.12E-02	1.33E-01	U	5.99E-01	1.02E-01	1.86E-01		7.56E-01	1.35E-01	3.56E-01		1.37E-01	9.10E-02	1.48E-01	U	4.3	0.339
FSS-23-08-006	-2.58E-02	8.60E-02	1.15E-01	U	5.40E-01	1.19E-01	2.35E-01		7.72E-01	1.32E-01	3.07E-01		9.43E-02	8.49E-02	1.35E-01		2.9	0.313
FSS-23-08-007	3.54E-02	4.86E-02	8.22E-02		6.31E-01	1.01E-01	1.81E-01		7.76E-01	1.25E-01	1.36E-01		8.74E-02	7.92E-02	1.30E-01	UI	2.7	0.346
FSS-23-08-008	5.39E-02	6.30E-02	1.31E-01	U	5.25E-01	9.09E-02	1.73E-01		6.07E-01	8.01E-02	1.42E-01		7.36E-02	8.78E-02	1.35E-01	U	2.3	0.283
FSS-23-08-009	-4.43E-02	8.28E-02	1.02E-01	U	6.60E-01	1.01E-01	1.81E-01		8.58E-01	1.11E-01	1.94E-01		7.91E-02	7.02E-02	1.15E-01	UI	2.5	0.357
FSS-23-08-010	4.13E-02	6.73E-02	1.31E-01	U	6.71E-01	1.03E-01	1.59E-01		7.66E-01	9.38E-02	1.76E-01		8.70E-02	9.26E-02	1.42E-01	U	2.7	0.354
FSS-23-08-011	7.17E-02	7.28E-02	1.52E-01	U	4.17E-01	9.58E-02	1.83E-01		5.64E-01	9.48E-02	1.64E-01		7.12E-02	9.33E-02	1.42E-01	U	2.2	0.252
FSS-23-08-012	1.40E-02	8.11E-02	1.31E-01	U	6.43E-01	9.77E-02	2.17E-01		8.16E-01	9.03E-02	1.42E-01		-5.23E-03	9.17E-02	1.28E-01	U	-0.2	0.350
FSS-23-08-013	-4.30E-02	1.01E-01	1.29E-01	U	4.95E-01	9.88E-02	1.98E-01		7.76E-01	1.33E-01	1.56E-01		2.47E-03	9.37E-02	1.32E-01	U	0.1	0.296
FSS-23-08-014	-4.99E-02	1.18E-01	1.60E-01	U	6.60E-01	1.30E-01	2.31E-01		8.94E-01	1.31E-01	2.37E-01		1.39E-01	1.12E-01	1.80E-01	U	4.3	0.368
FSS-23-08-014S	3.75E-02	8.29E-02	1.53E-01	U	7.50E-01	1.15E-01	2.15E-01		9.97E-01	1.88E-01	2.08E-01		8.14E-02	9.08E-02	1.51E-01	UI	2.5	0.428
FSS-23-08-014S-AVE	-6.25E-03				7.05E-01				9.46E-01				1.10E-01				3.4	0.398

AVE=Average LR=Laboratory Replicate S=Split

Survey Unit CE-FSS-23-08

One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
CE-FSS-23-08-001	2991	2200	791	2.6
CE-FSS-23-08-002	2741	2200	541	1.8
CE-FSS-23-08-003	2920	2200	720	2.4
CE-FSS-23-08-004	2797	2200	597	2.0
CE-FSS-23-08-005	2722	2200	522	1.7
CE-FSS-23-08-006	2754	2200	554	1.8
CE-FSS-23-08-007	3047	2200	847	2.8
CE-FSS-23-08-008	2444	2200	244	0.8
CE-FSS-23-08-009	3008	2200	808	2.7
CE-FSS-23-08-010	2916	2200	716	2.4
CE-FSS-23-08-011	2275	2200	75	0.2
CE-FSS-23-08-012	3018	2200	818	2.7
CE-FSS-23-08-013	2740	2200	540	1.8
CE-FSS-23-08-014	2661	2200	461	1.5

Survey Unit CE-FSS-23-08

Final Status Survey Sample GPS Coordinates

Sample ID	X Coordinate	Y Coordinate
CE-FSS-23-08-001	1009421.28	882141.17
CE-FSS-23-08-002	1009274.50	882252.77
CE-FSS-23-08-003	1009391.93	882066.77
CE-FSS-23-08-004	1009333.21	882178.37
CE-FSS-23-08-005	1009355.23	882215.57
CE-FSS-23-08-006	1009296.52	882327.17
CE-FSS-23-08-007	1009413.94	882041.97
CE-FSS-23-08-008	1009267.16	882153.57
CE-FSS-23-08-009	1009325.87	882079.17
CE-FSS-23-08-010	1009443.30	882190.77
CE-FSS-23-08-011	1009252.48	882302.37
CE-FSS-23-08-012	1009369.91	882116.37
CE-FSS-23-08-013	1009311.20	882227.97
CE-FSS-23-08-014	1009281.84	882054.37

Descriptive Statistics Report

Summary Section of SU_23_08_Co_60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	1.532143E-02	3.694188E-02	9.873132E-03	-0.0443	0.0717	0.116

Counts Section of SU_23_08_Co_60

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	14	15	14	0.2145	2.102758E-02	1.774113E-02

Means Section of SU_23_08_Co_60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.532143E-02	0.0199	2.916122E-02	0.0890859	0.2145	
Std Error	9.873132E-03				0.1382239	
95% LCL	-6.008177E-03	-0.0258			-8.411448E-02	
95% UCL	3.665103E-02	0.0452			0.5131145	
T-Value	1.5518					
Prob Level	0.144700					
Count	14		9	14		

Variation Section of SU_23_08_Co_60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.364702E-03	3.694188E-02	3.765846E-02	9.873132E-03	0.0582975	0.116
Std Error	3.468698E-04	6.639455E-03		1.774469E-03		
95% LCL	7.172305E-04	2.678116E-02		7.157566E-03		
95% UCL	3.542027E-03	5.951493E-02		1.590604E-02		

Skewness and Kurtosis Section of SU_23_08_Co_60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.2687278	1.904451	-0.3021114	-1.027516	2.411125	1.553841
Std Error	0.3947613	0.4184141			1.61084	

Trimmed Section of SU_23_08_Co_60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.550159E-02	1.631607E-02	1.772857E-02	1.893786E-02	1.952024E-02	0.0199
Trim-Std Dev	3.351202E-02	2.977187E-02	2.560461E-02	2.002811E-02	1.478668E-02	1.103789E-02
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of SU_23_08_Co_60

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	3.092143E-02	3.092143E-02	1.267224E-03	-1.212251E-05	3.058273E-06
Std Error	5.925296E-03		3.220933E-04	1.697867E-05	1.116327E-06

Descriptive Statistics Report

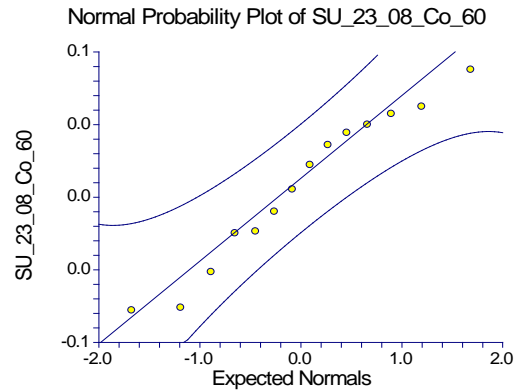
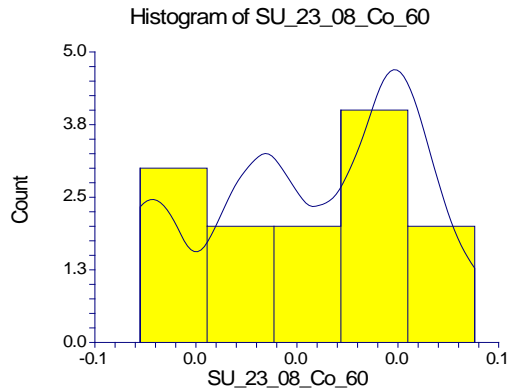
Quartile Section of SU_23_08_Co_60

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.04365	-0.0117975	0.0199	0.0465	0.0628
95% LCL		-0.0443	-0.0258	0.014	
95% UCL		0.0258	0.0452	0.0717	

Normality Test Section of SU_23_08_Co_60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.948944	0.544434			Accept Normality
Anderson-Darling	0.2790883	0.647507			Accept Normality
Martinez-Iglewicz	0.9834389		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	8.565869E-02		0.208	0.226	Accept Normality
D'Agostino Skewness	-0.5311	0.595318	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.0100	0.312484	1.645	1.960	Accept Normality
D'Agostino Omnibus	1.3023	0.521455	4.605	5.991	Accept Normality

Plots Section of SU_23_08_Co_60



Descriptive Statistics Report

Percentile Section of SU_23_08_Co_60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.0717			
95.0	0.0717			
90.0	0.0628			
85.0	0.053025			
80.0	0.0504	0.014	0.0717	95.3622
75.0	0.0465	0.014	0.0717	97.1873
70.0	0.04325	0.00328	0.0717	98.4929
65.0	0.039825	0.00328	0.0539	95.5137
60.0	0.0354	-0.00625	0.0539	97.4393
55.0	0.0282	-0.00713	0.0504	97.1563
50.0	0.0199	-0.0258	0.0452	96.4844
45.0	0.01132	-0.0258	0.0452	97.1563
40.0	0.00328	-0.043	0.0413	97.4393
35.0	-0.0038675	-0.0443	0.0354	97.3253
30.0	-0.00669	-0.0443	0.0258	96.1749
25.0	-0.0117975	-0.0443	0.0258	97.1873
20.0	-0.0258	-0.0443	0.0258	95.3622
15.0	-0.0387			
10.0	-0.04365			
5.0	-0.0443			
1.0	-0.0443			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of SU_23_08_Co_60

Depth	Stem	Leaves
2	F	44
3	T	2
5	-0*	00
7	0*	01
7	T	23
5	F	4455
1	S	7

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

Summary Section of SU_23_08_Total_U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	2.1	1.250231	0.3341382	-0.2	4.3	4.5

Counts Section of SU_23_08_Total_U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	14	15	12	29.4	82.06	20.32

Means Section of SU_23_08_Total_U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.1	2.25	1.737005	1.178424	29.4	
Std Error	0.3341382				4.677935	
95% LCL	1.378138	0.4			19.29394	
95% UCL	2.821862	2.7			39.50607	
T-Value	6.2848					
Prob Level	0.000028					
Count	14		13	14		

Variation Section of SU_23_08_Total_U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.563077	1.250231	1.274482	0.3341382	1.225	4.5
Std Error	0.5429624	0.3070892		8.207304E-02		
95% LCL	0.8214879	0.9063597		0.2422348		
95% UCL	4.0569	2.014175		0.5383108		

Skewness and Kurtosis Section of SU_23_08_Total_U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.4585677	2.6893	-0.5155348	0.1319204	0.595348	0.3873016
Std Error	0.3910691	1.034745			0.1602647	

Trimmed Section of SU_23_08_Total_U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.105556	2.133929	2.190816	2.314286	2.280952	2.25
Trim-Std Dev	1.067894	0.880124	0.6797538	0.2734262	0.1841163	9.354144E-02
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of SU_23_08_Total_U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.8857143	0.8714285	1.451429	-0.8018571	5.6654
Std Error	0.2005309		0.5041793	0.453309	2.340871

Descriptive Statistics Report

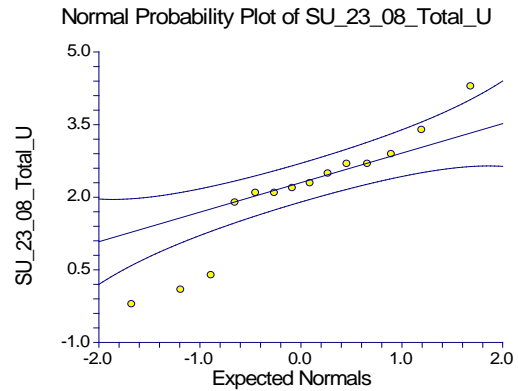
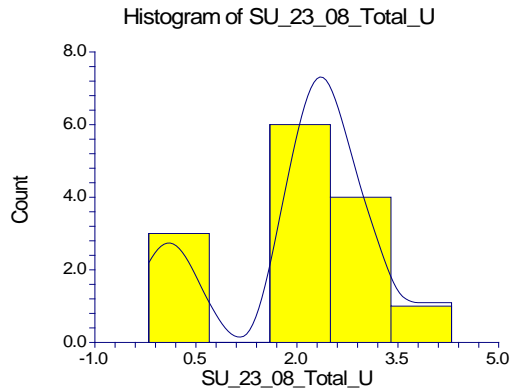
Quartile Section of SU_23_08_Total_U

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.05	1.525	2.25	2.75	3.85
95% LCL		-0.2	0.4	2.2	
95% UCL		2.3	2.7	4.3	

Normality Test Section of SU_23_08_Total_U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9194453	0.215889			Accept Normality
Anderson-Darling	0.6155739	0.109310			Accept Normality
Martinez-Iglewicz	1.099479		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	0.1507379		0.208	0.226	Accept Normality
D'Agostino Skewness	-0.8980	0.369170	1.645	1.960	Accept Normality
D'Agostino Kurtosis	0.3434	0.731316	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.9244	0.629908	4.605	5.991	Accept Normality

Plots Section of SU_23_08_Total_U



Descriptive Statistics Report

Percentile Section of SU_23_08_Total_U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	4.3			
95.0	4.3			
90.0	3.85			
85.0	3.275			
80.0	2.9	2.2	4.3	95.3622
75.0	2.75	2.2	4.3	97.1873
70.0	2.7	2.1	4.3	98.4929
65.0	2.65	2.1	3.4	95.5137
60.0	2.5	2.1	3.4	97.4393
55.0	2.35	1.9	2.9	97.1563
50.0	2.25	0.4	2.7	96.4844
45.0	2.175	0.4	2.7	97.1563
40.0	2.1	0.1	2.7	97.4393
35.0	2.1	-0.2	2.5	97.3253
30.0	2	-0.2	2.3	96.1749
25.0	1.525	-0.2	2.3	97.1873
20.0	0.4	-0.2	2.3	95.3622
15.0	0.175			
10.0	-0.05			
5.0	-0.2			
1.0	-0.2			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of SU_23_08_Total_U

Depth	Stem	Leaves
Low		-2,1,4
4	1.	9
6	2*	11
(2)	T	23
6	F	5
5	S	77
3	.	9
2	3*	
2	T	
2	F	4
High		43

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

Summary Section of SU_23_08_Ra_226

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	0.5857857	8.472869E-02	2.264469E-02	0.417	0.705	0.288

Counts Section of SU_23_08_Ra_226

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	14	15	13	8.201	4.897355	9.332636E-02

Means Section of SU_23_08_Ra_226

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.5857857	0.598	0.5798069	0.5735447	8.201	0.525
Std Error	2.264469E-02				0.3170257	
95% LCL	0.5368648	0.512			7.516108	
95% UCL	0.6347066	0.66			8.885893	
T-Value	25.8686					
Prob Level	0.000000					
Count	14		14	14		2

Variation Section of SU_23_08_Ra_226

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	7.178951E-03	8.472869E-02	8.637223E-02	2.264469E-02	0.141	0.288
Std Error	2.036529E-03	1.699594E-02		4.542356E-03		
95% LCL	3.772956E-03	0.0614244		1.641636E-02		
95% UCL	1.863266E-02	0.1365015		3.648156E-02		

Skewness and Kurtosis Section of SU_23_08_Ra_226

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.3458338	2.126646	-0.3887961	-0.6992731	0.1446411	0.1169374
Std Error	0.4182165	0.3961119			2.284657E-02	

Trimmed Section of SU_23_08_Ra_226

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.5885397	0.5900536	0.5902755	0.5896429	0.591381	0.598
Trim-Std Dev	7.389434E-02	6.530364E-02	6.016054E-02	5.148885E-02	3.955372E-02	1.870829E-03
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of SU_23_08_Ra_226

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	7.153061E-02	6.992857E-02	6.666169E-03	-1.88227E-04	9.450347E-05
Std Error	1.359006E-02		1.891063E-03	2.481874E-04	4.956886E-05

Descriptive Statistics Report

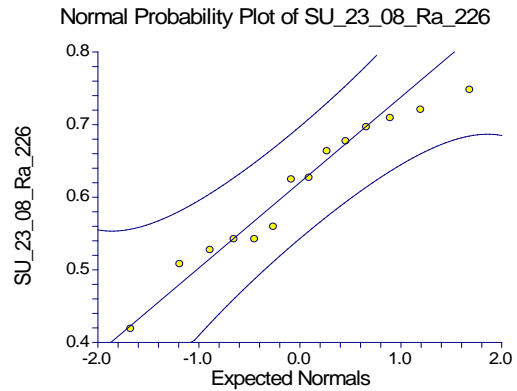
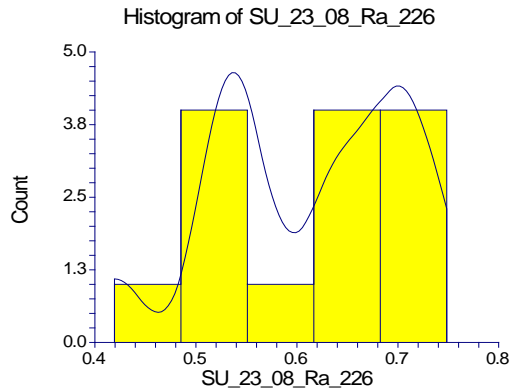
Quartile Section of SU_23_08_Ra_226

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.456	0.52175	0.598	0.66275	0.693
95% LCL		0.417	0.512	0.597	
95% UCL		0.599	0.66	0.705	

Normality Test Section of SU_23_08_Ra_226

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9495005	0.552977			Accept Normality
Anderson-Darling	0.3270662	0.519333			Accept Normality
Martinez-Iglewicz	1.02876		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	0.134104		0.208	0.226	Accept Normality
D'Agostino Skewness	-0.6814	0.495648	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.5448	0.585922	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.7610	0.683519	4.605	5.991	Accept Normality

Plots Section of SU_23_08_Ra_226



Descriptive Statistics Report

Percentile Section of SU_23_08_Ra_226

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.705			
95.0	0.705			
90.0	0.693			
85.0	0.6785			
80.0	0.671	0.597	0.705	95.3622
75.0	0.66275	0.597	0.705	97.1873
70.0	0.6515	0.54	0.705	98.4929
65.0	0.64	0.54	0.681	95.5137
60.0	0.631	0.525	0.681	97.4393
55.0	0.607	0.525	0.671	97.1563
50.0	0.598	0.512	0.66	96.4844
45.0	0.58275	0.512	0.66	97.1563
40.0	0.54	0.495	0.643	97.4393
35.0	0.52875	0.417	0.631	97.3253
30.0	0.525	0.417	0.599	96.1749
25.0	0.52175	0.417	0.599	97.1873
20.0	0.512	0.417	0.599	95.3622
15.0	0.49925			
10.0	0.456			
5.0	0.417			
1.0	0.417			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of SU_23_08_Ra_226

Depth	Stem	Leaves
1	4*	1
2	.	9
6	5*	1224
(2)	.	99
6	6*	34
4	.	678
1	7*	0

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

Summary Section of SU_23_08_Th_232

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	0.7402857	0.1134083	3.030965E-02	0.564	0.946	0.382

Counts Section of SU_23_08_Th_232

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	14	15	13	10.364	7.83952	0.1671989

Means Section of SU_23_08_Th_232

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.7402857	0.769	0.7319677	0.7234381	10.364	0.776
Std Error	3.030965E-02				0.4243351	
95% LCL	0.6748057	0.607			9.44728	
95% UCL	0.8057657	0.816			11.28072	
T-Value	24.4241					
Prob Level	0.000000					
Count	14		14	14		2

Variation Section of SU_23_08_Th_232

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.286145E-02	0.1134083	0.1156082	3.030965E-02	0.195	0.382
Std Error	3.729908E-03	2.325617E-02		6.215473E-03		
95% LCL	6.759441E-03	8.221582E-02		0.0219731		
95% UCL	3.338135E-02	0.1827056		4.883014E-02		

Skewness and Kurtosis Section of SU_23_08_Th_232

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.1279525	2.177455	-0.1438478	-0.6242135	0.1531954	0.1109047
Std Error	0.386979	0.52372			2.369917E-02	

Trimmed Section of SU_23_08_Th_232

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.7386508	0.7395	0.7429388	0.7512857	0.7658333	0.769
Trim-Std Dev	9.990887E-02	8.676721E-02	0.0742745	4.996237E-02	1.619011E-02	5.612486E-03
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of SU_23_08_Th_232

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	9.120408E-02	8.528572E-02	1.194278E-02	-1.669963E-04	3.105702E-04
Std Error	1.819014E-02		3.463486E-03	4.674213E-04	1.382814E-04

Descriptive Statistics Report

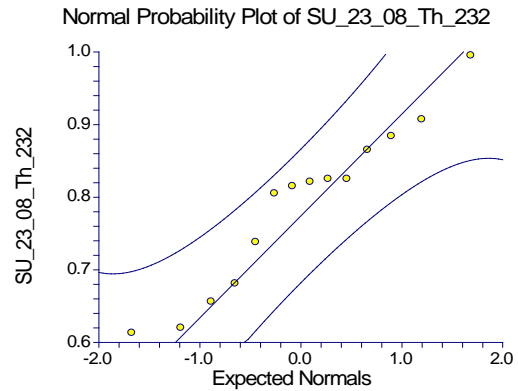
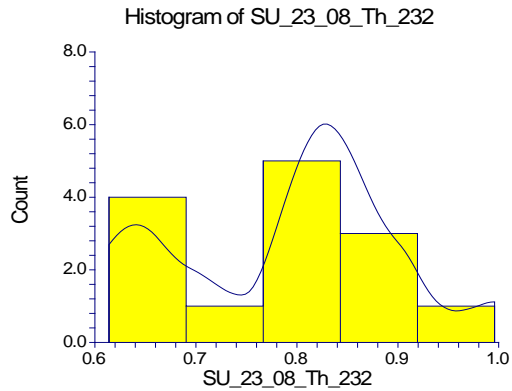
Quartile Section of SU_23_08_Th_232

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.5675	0.62575	0.769	0.82075	0.902
95% LCL		0.564	0.607	0.766	
95% UCL		0.772	0.816	0.946	

Normality Test Section of SU_23_08_Th_232

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9446226	0.480722			Accept Normality
Anderson-Darling	0.3921731	0.378079			Accept Normality
Martinez-Iglewicz	0.9966722		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	0.1265311		0.208	0.226	Accept Normality
D'Agostino Skewness	-0.2539	0.799592	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.4495	0.653063	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.2665	0.875240	4.605	5.991	Accept Normality

Plots Section of SU_23_08_Th_232



Descriptive Statistics Report

Percentile Section of SU_23_08_Th_232

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.946			
95.0	0.946			
90.0	0.902			
85.0	0.85225			
80.0	0.835	0.766	0.946	95.3622
75.0	0.82075	0.766	0.946	97.1873
70.0	0.796	0.756	0.946	98.4929
65.0	0.776	0.756	0.858	95.5137
60.0	0.776	0.689	0.858	97.4393
55.0	0.773	0.632	0.835	97.1563
50.0	0.769	0.607	0.816	96.4844
45.0	0.7635	0.607	0.816	97.1563
40.0	0.756	0.571	0.776	97.4393
35.0	0.70575	0.564	0.776	97.3253
30.0	0.6605	0.564	0.772	96.1749
25.0	0.62575	0.564	0.772	97.1873
20.0	0.607	0.564	0.772	95.3622
15.0	0.58			
10.0	0.5675			
5.0	0.564			
1.0	0.564			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of SU_23_08_Th_232

Depth	Stem	Leaves
2	5.	67
4	6*	03
5	.	8
5	7*	
(5)	.	56777
4	8*	13
2	.	5
1	9*	4

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

Summary Section of SU_23_08_SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	0.3222143	4.278241E-02	1.143408E-02	0.252	0.398	0.146

Counts Section of SU_23_08_SOF

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	14	15	14	4.511	1.477303	2.379436E-02

Means Section of SU_23_08_SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.3222143	0.326	0.3195204	0.3167801	4.511	
Std Error	1.143408E-02				0.1600771	
95% LCL	0.2975124	0.283			4.165174	
95% UCL	0.3469161	0.354			4.856826	
T-Value	28.1802					
Prob Level	0.000000					
Count	14		14	14		

Variation Section of SU_23_08_SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.830335E-03	4.278241E-02	0.0436123	1.143408E-02	0.06725	0.146
Std Error	5.069143E-04	8.378267E-03		2.239186E-03		
95% LCL	9.619477E-04	3.101528E-02		8.289183E-03		
95% UCL	4.750557E-03	6.892429E-02		1.842079E-02		

Skewness and Kurtosis Section of SU_23_08_SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-9.566185E-02	2.073831	-0.1075457	-0.7772956	0.1327763	0.1106486
Std Error	0.4045725	0.355153			1.934123E-02	

Trimmed Section of SU_23_08_SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.3219047	0.3224821	0.3238775	0.3252143	0.3270476	0.326
Trim-Std Dev	3.751056E-02	3.257449E-02	2.835821E-02	2.419083E-02	1.859091E-02	2.432077E-02
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of SU_23_08_SOF

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	3.607143E-02	3.607143E-02	1.699597E-03	-6.702822E-06	5.990529E-06
Std Error	6.862089E-03		4.707061E-04	2.765677E-05	2.731261E-06

Descriptive Statistics Report

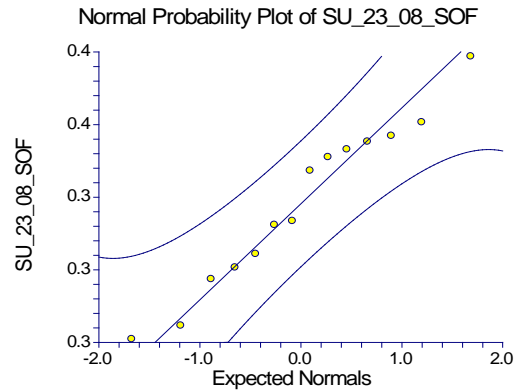
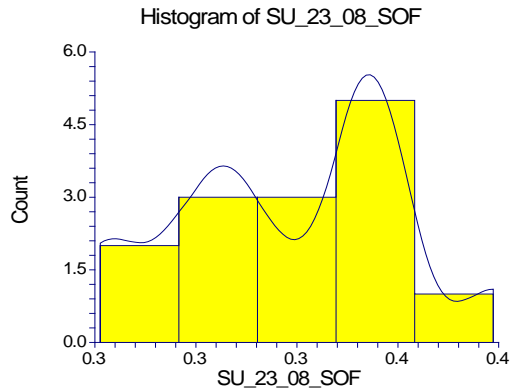
Quartile Section of SU_23_08_SOF

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.2555	0.2875	0.326	0.35475	0.381
95% LCL		0.252	0.283	0.313	
95% UCL		0.339	0.354	0.398	

Normality Test Section of SU_23_08_SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9619135	0.754453			Accept Normality
Anderson-Darling	0.2760373	0.657601			Accept Normality
Martinez-Iglewicz	0.9870237		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	9.292953E-02		0.208	0.226	Accept Normality
D'Agostino Skewness	-0.1899	0.849386	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.6478	0.517108	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.4557	0.796236	4.605	5.991	Accept Normality

Plots Section of SU_23_08_SOF



Descriptive Statistics Report

Percentile Section of SU_23_08_SOF

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.398			
95.0	0.398			
90.0	0.381			
85.0	0.36225			
80.0	0.357	0.313	0.398	95.3622
75.0	0.35475	0.313	0.398	97.1873
70.0	0.352	0.311	0.398	98.4929
65.0	0.349	0.311	0.364	95.5137
60.0	0.346	0.296	0.364	97.4393
55.0	0.34075	0.289	0.357	97.1563
50.0	0.326	0.283	0.354	96.4844
45.0	0.3125	0.283	0.354	97.1563
40.0	0.311	0.259	0.35	97.4393
35.0	0.29975	0.252	0.346	97.3253
30.0	0.2925	0.252	0.339	96.1749
25.0	0.2875	0.252	0.339	97.1873
20.0	0.283	0.252	0.339	95.3622
15.0	0.265			
10.0	0.2555			
5.0	0.252			
1.0	0.252			

Percentile Formula: Ave X(p[n+1])

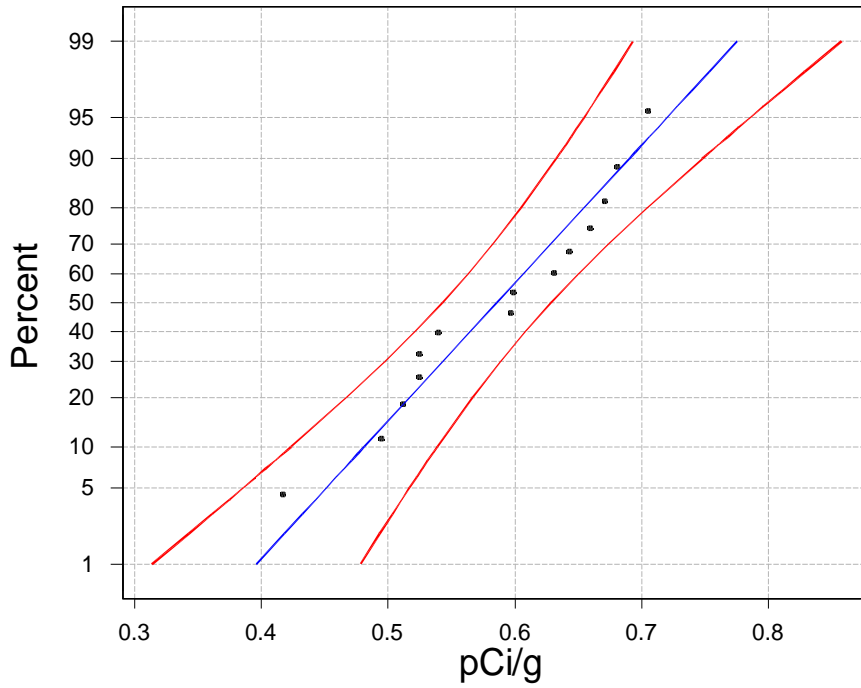
Stem-Leaf Plot Section of SU_23_08_SOF

Depth	Stem	Leaves
2	2F	55
2	S	
5	.	889
7	3*	11
7	T	3
6	F	4555
2	S	6
1	.	9

Unit = .01 Example: 1 |2 Represents 0.12

Normal Probability Plot SU 23-08 Ra-226

ML Estimates - 95% CI



ML Estimates

Mean 0.585786

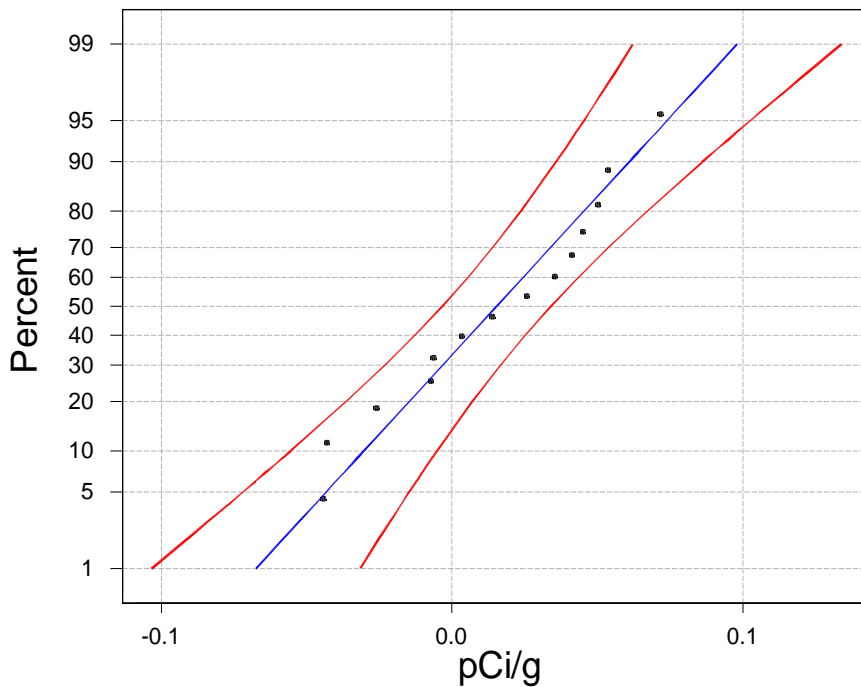
StDev 0.0816466

Goodness of Fit

AD* 1.084

Normal Probability Plot SU 23-08 Co-60

ML Estimates - 95% CI



ML Estimates

Mean 0.0153214

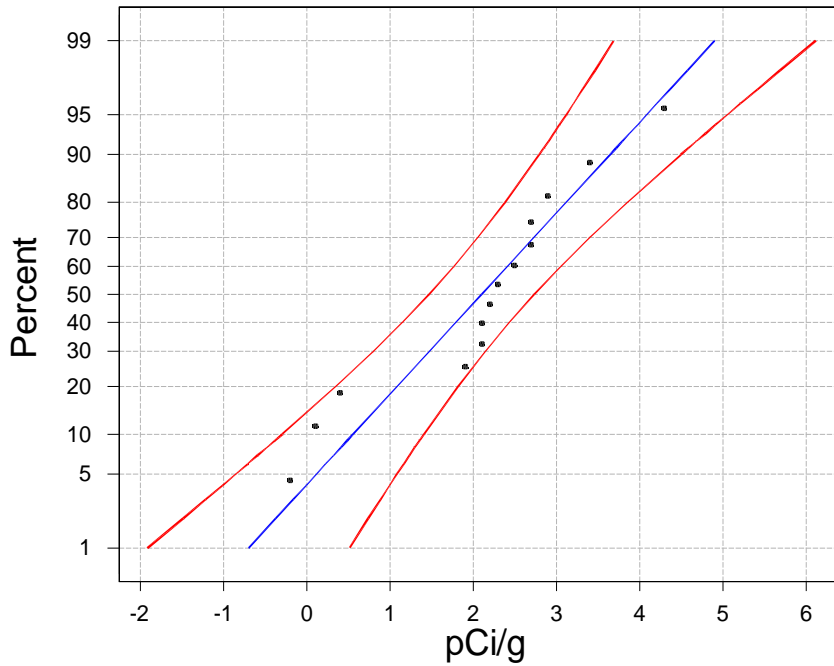
StDev 0.0355981

Goodness of Fit

AD* 1.015

Normal Probability Plot SU 23-08 Total U

ML Estimates - 95% CI



ML Estimates

Mean 2.1

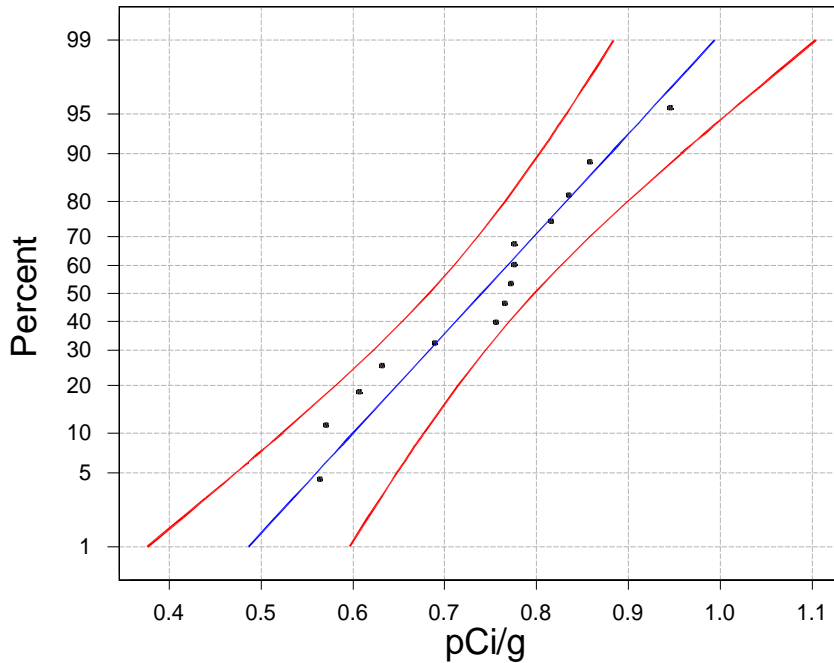
StDev 1.20475

Goodness of Fit

AD* 1.328

Normal Probability Plot SU 23-08 Th-232

ML Estimates - 95% CI



ML Estimates

Mean 0.740286

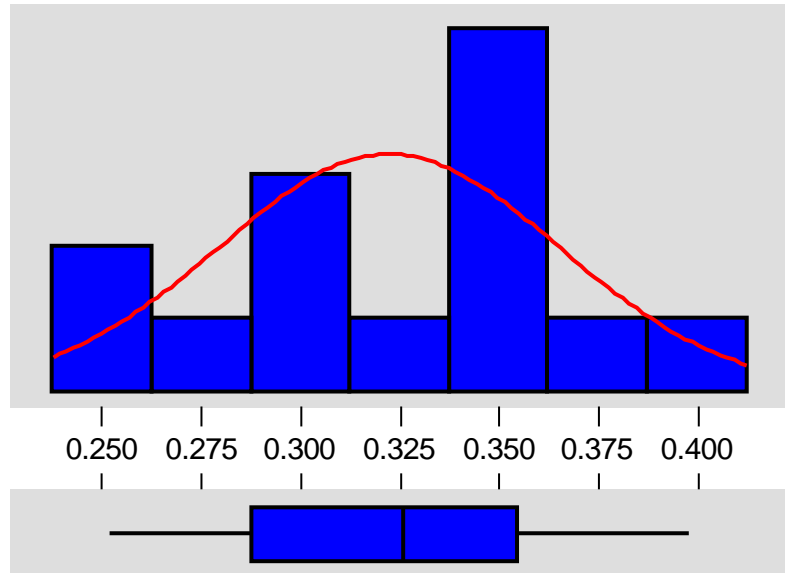
StDev 0.109283

Goodness of Fit

AD* 1.12

Descriptive Statistics

Variable: SU 23-08 SOF



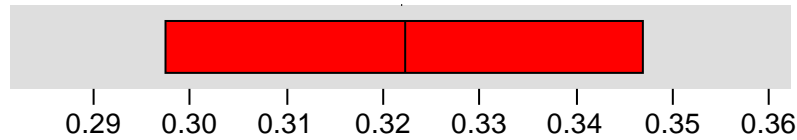
Anderson-Darling Normality Test

A-Squared: 0.273
P-Value: 0.610

Mean 0.322214
StDev 0.042782
Variance 1.83E-03
Skewness -1.1E-01
Kurtosis -7.8E-01
N 14

Minimum 0.252000
1st Quartile 0.287500
Median 0.326000
3rd Quartile 0.354750
Maximum 0.398000

95% Confidence Interval for Mu



95% Confidence Interval for Mu

0.297512 0.346916

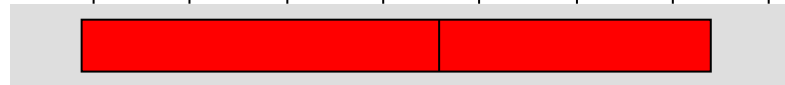
95% Confidence Interval for Sigma

0.031015 0.068924

95% Confidence Interval for Median

0.288691 0.354154

95% Confidence Interval for Median



One-Sample T-Test Report

Variable SU_23_08_SOF

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
SU_23_08_SOF	14	0.3222143	4.278241E-02	1.143408E-02	0.2975124	0.3469161

T for Confidence Limits = 2.1604

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	-0.1899	0.849386	Cannot reject normality
Kurtosis Normality	-0.6478	0.517108	Cannot reject normality
Omnibus Normality	0.4557	0.796236	Cannot reject normality
Correlation Coefficient			

T-Test For Difference Between Mean and Value Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
SU_23_08_SOF<>1	-59.2777	0.000000	Reject Ho	1.000000	1.000000
SU_23_08_SOF<1	-59.2777	0.000000	Reject Ho	1.000000	1.000000
SU_23_08_SOF>1	-59.2777	1.000000	Accept Ho	0.000000	0.000000

Nonparametric Tests Section

Quantile (Sign) Test

Hypothesized Value	Quantile	Number Lower	Number Higher	Prob Lower	Prob Higher	Prob Both
1	0.5	14	0	1.000000	0.000061	0.000122

Wilcoxon Signed-Rank Test for Difference in Medians

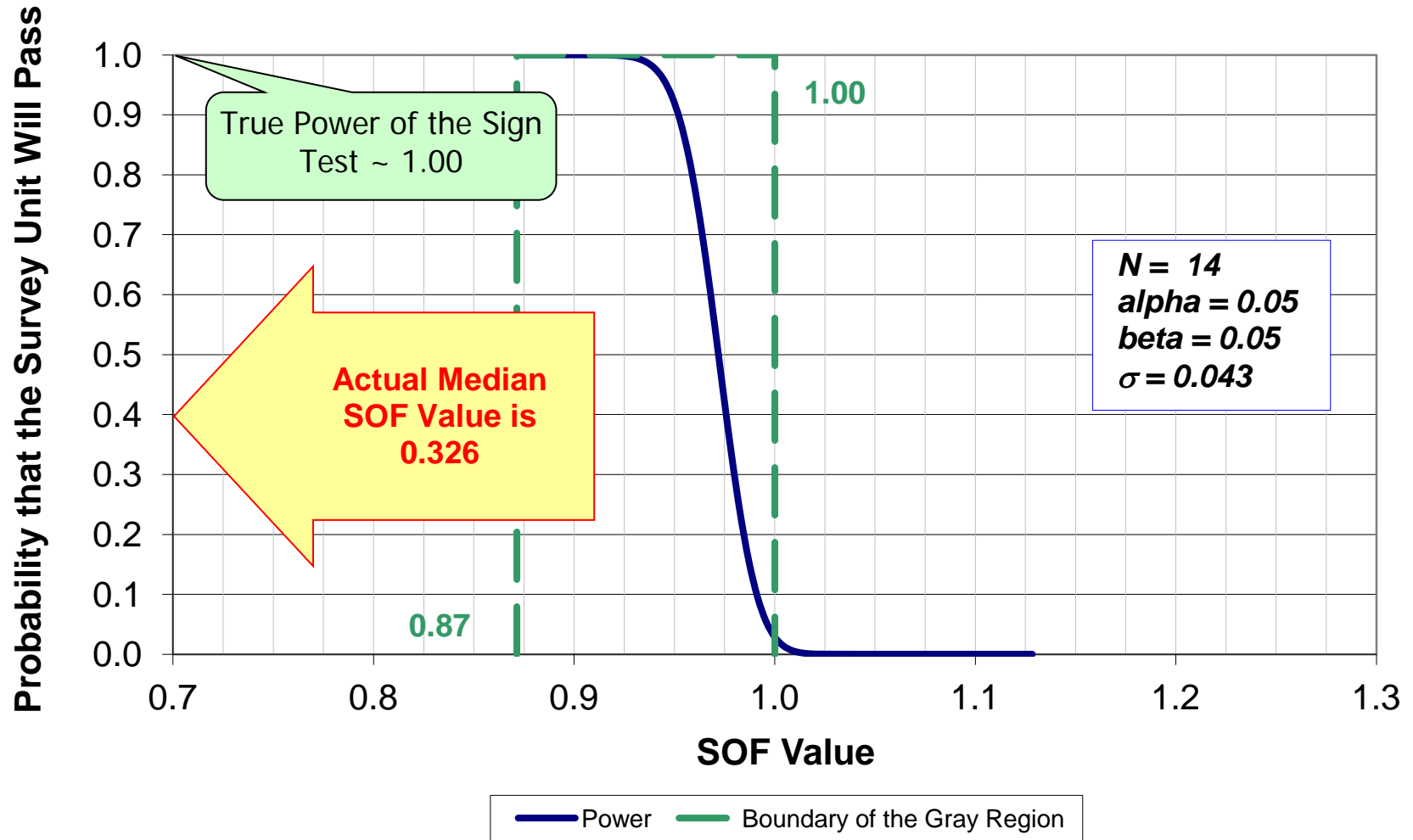
W Sum Ranks	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
0	52.5	15.92953	0	0	0

Alternative Hypothesis	Exact Probability		Approximation Without Continuity Correction			Approximation With Continuity Correction		
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Median<>1			3.2958	0.000982	Reject Ho	3.2644	0.001097	Reject Ho
Median<1	0.000061	Reject Ho	-3.2958	0.000491	Reject Ho	-3.2644	0.000549	Reject Ho
Median>1			-3.2958	0.999509	Accept Ho	-3.3272	0.999561	Accept Ho

Retrospective Power of the Sign Test

Surface Soil Volumetric Measurements SOF Values

Survey Unit CE-FSS-23-08



Survey Cover Sheet

Survey Unit CE-FSS-23-08

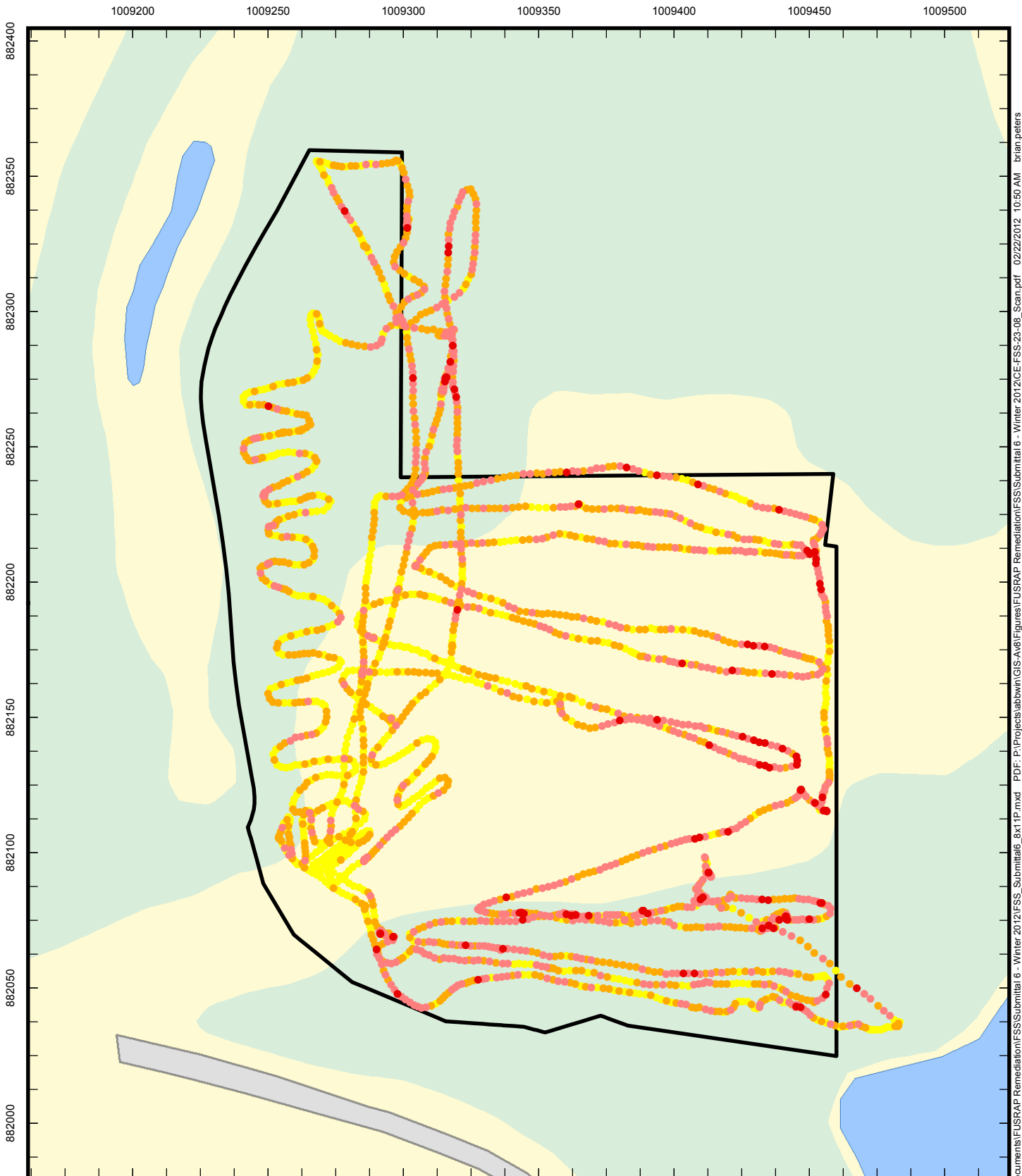
Surveyor	Ron Como Pat Cashman <small>Print</small>	 <small>Sign</small>	9/21/2011 <small>Survey Date</small>	N/A <small>Count date</small>
Reviewer	C. Seckinger <small>Print</small>	 <small>Sign</small>	9/23/11 <small>Review Date</small>	

SURVEY METERS

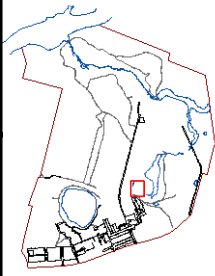
	Inst. No. 1	Inst. No. 2	Inst. No. 3	Inst. No. 4
Instrument ID	γ 10	γ 9		
Meter Serial #	172705	168806		
Probe Serial #	277925	277910		
Cal Due	11/30/11	11/1/2011		
Efficiency	n/a	n/a		
Type (α, β, γ)	γ	γ		
Sample Duration	n/a	n/a		
BKG	2.2 kcpm	2 kcpm		
LLD	n/a	n/a		
Guideline	n/a	n/a		
Action level	1504 ncpm	n/a		

LOCATION:	Survey Unit	CE-FSS-23-08	RWP	10-001
PURPOSE: Equipment Storage Yard Excavation Areas (Sectors 2 and 3).				
	kcpm ave	kcpm max		60 sec
CE-FSS-23-08-001	na	na		2991
CE-FSS-23-08-002	na	na		2741
CE-FSS-23-08-003	na	na		2920
CE-FSS-23-08-004	na	na		2797
CE-FSS-23-08-005	na	na		2722
CE-FSS-23-08-006	na	na		2754
CE-FSS-23-08-007	na	na		3047
CE-FSS-23-08-008	na	na		2444
CE-FSS-23-08-009	na	na		3008
CE-FSS-23-08-010	na	na		2916
CE-FSS-23-08-011	na	na		2275
CE-FSS-23-08-012	na	na		3018
CE-FSS-23-08-013	na	na		2740
CE-FSS-23-08-014	na	na		2661
CE-FSS-23-08-011 QC	na	na		2846

Smear #	dpm/100cm ²	
	α	βγ
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA
	NA	NA



CT State Plane NAD 83 Feet



Legend

CE-FSS-23-08	≥ 3300 (max. = 3960)	Road
≥ 2820 and < 3300	Forest	
≥ 2400 and < 2820	Open	
< 2400	Water	

All values in the legend above are in units of gross cpm

Prepared/Date: BRP 02/22/12 Checked/Date: GSM 02/22/12

Scan Results
Survey Unit CE-FSS-23-08

Final Status Survey
 CE Windsor Site
 Windsor, Connecticut

Document: P:\Projects\ABBWIN\GIS-Av8\MapDocuments\FUSRAP Remediation\FSS\Submittal 6 - Winter 2012\FSS_Submittal6_8x11P.mxd PDF: P:\Projects\ABBWIN\GIS-Av8\Figures\FUSRAP Remediation\FSS\Submittal 6 - Winter 2012\FSS-23-08_Scan.pdf 02/22/2012 10:50 AM brian.peters

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009412.747	882092.777	2940
1009412.747	882092.777	2880
1009412.747	882092.777	2340
1009412.747	882092.777	2460
1009412.747	882092.777	2340
1009412.747	882092.777	3060
1009412.747	882092.777	2940
1009412.747	882092.777	2580
1009412.747	882092.777	3180
1009412.747	882092.777	2580
1009412.747	882092.777	3480
1009412.747	882092.777	3480
1009412.747	882092.777	3000
1009412.747	882092.777	2880
1009412.419	882093.249	2520
1009412.225	882093.683	2820
1009412.484	882093.26	2640
1009412.944	882092.439	2760
1009413.315	882091.956	3000
1009413.436	882091.828	3000
1009413.449	882091.754	2580
1009413.488	882091.64	2640
1009413.539	882091.436	2880
1009413.548	882091.255	3000
1009413.552	882091.279	3060
1009413.559	882091.31	3240
1009413.559	882091.34	2940
1009413.475	882091.397	2760
1009413.296	882091.387	2400
1009412.879	882091.733	3000
1009412.349	882092.83	2340
1009411.732	882093.103	2460
1009411.545	882095.058	3120
1009411.457	882097.821	2700
1009411.332	882098.441	2820
1009412.22	882096.041	2160
1009411.999	882092.443	3000
1009410.687	882090.226	3120
1009410.001	882089.101	2760
1009409.284	882088.212	3120
1009408.805	882087.362	2820

Easting	Northing	CPM
1009296.519	882069.095	2700
1009296.382	882069.025	2460
1009296.317	882068.963	2400
1009296.284	882068.738	2460
1009295.604	882067.956	2400
1009294.158	882067.115	2940
1009292.357	882066.507	2700
1009291.047	882065.59	2640
1009290.431	882063.932	2400
1009290.257	882062.525	2880
1009291.158	882061.284	2820
1009292.431	882060.06	2700
1009293.944	882059.412	2820
1009295.614	882059.187	3060
1009297.308	882059.554	2880
1009298.534	882060.46	2700
1009299.739	882061.256	2700
1009301.02	882062.25	2160
1009302.301	882063.647	2520
1009303.305	882064.665	2760
1009304.835	882064.468	2940
1009306.608	882063.755	3000
1009307.866	882062.818	2940
1009309.526	882062.326	3180
1009311.484	882061.089	3120
1009313.458	882060.742	2640
1009314.898	882061.116	3120
1009316.855	882061.028	3120
1009318.708	882060.917	3000
1009320.643	882060.556	2880
1009322.74	882060.132	2880
1009324.319	882060.524	2580
1009325.95	882060.312	2820
1009327.681	882060.329	3060
1009329.656	882060.24	2760
1009331.845	882060.002	2880
1009334.138	882059.439	2520
1009336.667	882059.148	3120
1009338.614	882059.003	2820
1009340.797	882058.945	2340
1009342.677	882059.081	2220

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009408.378	882086.888	3060
1009408.045	882086.693	2700
1009408.213	882086.439	3000
1009409.499	882085.4	2700
1009411.759	882083.622	3120
1009414.535	882082.077	2820
1009416.673	882080.624	2640
1009417.425	882079.692	3000
1009417.312	882079.638	2700
1009417.515	882079.756	2640
1009419.139	882079.933	2400
1009421.652	882079.456	2340
1009424.841	882077.818	2760
1009427.703	882075.998	2220
1009430.355	882074.454	3060
1009432.961	882073.494	2940
1009434.459	882073.07	2940
1009434.993	882073.09	3360
1009435.523	882073.22	2880
1009437.525	882072.357	2760
1009440.149	882070.894	3060
1009443.409	882069.269	3120
1009446.612	882067.567	2400
1009449.441	882065.256	2760
1009451.803	882063.09	2760
1009454.967	882060.85	2880
1009457.511	882059.02	2580
1009459.753	882056.602	2160
1009461.666	882054.14	2760
1009464.907	882051.587	2460
1009467.51	882050.072	3300
1009470.354	882047.953	3060
1009472.569	882046.051	3180
1009475.395	882043.627	2580
1009477.516	882041.72	2880
1009479.736	882039.825	2820
1009481.415	882038.397	1980
1009482.639	882037.635	2340
1009483.449	882037.528	2340
1009483.025	882037.361	1920

Easting	Northing	CPM
1009344.774	882058.795	2340
1009346.994	882058.836	2280
1009349.147	882058.508	3120
1009351.088	882058.025	2940
1009352.8	882057.716	3000
1009353.827	882057.361	2700
1009354.559	882057.585	2700
1009355.47	882057.293	2460
1009357.254	882056.545	2760
1009359.28	882056.387	2340
1009361.516	882056.52	2280
1009363.654	882056.595	2460
1009365.869	882056.46	2580
1009368.168	882055.893	2220
1009370.495	882055.618	2580
1009372.822	882054.778	2940
1009375.303	882054.267	2460
1009377.554	882053.803	2220
1009379.657	882053.301	2280
1009381.916	882052.913	2280
1009384.03	882052.453	2220
1009386.359	882052.221	2580
1009388.767	882051.508	2820
1009390.997	882051.349	2820
1009393.442	882051.286	2640
1009395.924	882051.155	3240
1009398.464	882051.173	2400
1009400.58	882050.91	2460
1009402.988	882050.952	2340
1009405.302	882050.799	2220
1009407.281	882051.188	3120
1009409.054	882051.454	3060
1009410.812	882051.865	3180
1009411.76	882052.365	3240
1009413.139	882052.069	2880
1009415.346	882051.508	2640
1009417.387	882051.677	2520
1009419.493	882051.663	2580
1009421.299	882051.667	2160
1009423.198	882051.841	2220

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009482.518	882037.236	2100
1009482.425	882037.267	2100
1009482.814	882036.851	2460
1009482.819	882036.195	2760
1009482.635	882036.045	2400
1009482.62	882036.182	2640
1009482.342	882036.265	2700
1009481.63	882035.952	2640
1009480.206	882035.806	2280
1009478.849	882035.78	2220
1009477.754	882035.243	2280
1009476.393	882034.712	1680
1009474.917	882034.499	2340
1009473.577	882034.493	2340
1009472.657	882034.704	2160
1009471.833	882034.973	1980
1009470.735	882035.437	2520
1009469.277	882036.064	2520
1009468.056	882036.714	2820
1009466.992	882036.579	2280
1009466.063	882036.376	2400
1009464.887	882036.157	3000
1009463.632	882035.981	2160
1009462.398	882035.842	2460
1009461.162	882035.81	2280
1009459.433	882036.163	2640
1009457.804	882036.573	2880
1009456.226	882037.194	2220
1009454.488	882037.677	2640
1009452.962	882038.303	2220
1009451.614	882039.106	2700
1009450.355	882040.174	3060
1009449.038	882041.386	2940
1009447.95	882042.281	2820
1009446.716	882042.859	3300
1009445.599	882043.247	3000
1009444.893	882042.945	3000
1009445.088	882043.183	3300
1009445.275	882043.38	2940
1009445.293	882043.289	2760

Easting	Northing	CPM
1009425.342	882051.936	2040
1009427.491	882051.704	2160
1009429.745	882051.436	2520
1009431.575	882051.483	2700
1009433.384	882051.265	3120
1009435.276	882051.437	2460
1009436.987	882050.84	3120
1009438.739	882050.226	2280
1009440.114	882049.614	2580
1009441.434	882048.604	2820
1009443.102	882047.557	2640
1009445.233	882046.888	2460
1009447.196	882046.098	2460
1009449.159	882045.574	2520
1009450.967	882045.416	2580
1009451.727	882044.729	2760
1009452.797	882045.203	2820
1009454.868	882046.264	3180
1009456.102	882047.603	3540
1009456.485	882049.955	2880
1009442.103	882075.466	2520
1009441.933	882075.603	3120
1009441.871	882075.691	2940
1009441.887	882075.688	2880
1009441.896	882075.652	2760
1009441.886	882075.637	2460
1009441.871	882075.667	2760
1009441.893	882075.686	3060
1009441.933	882075.654	3000
1009441.913	882075.6	3240
1009441.909	882075.594	3120
1009441.787	882075.65	2880
1009441.393	882075.615	3300
1009441.906	882075.176	3540
1009443.353	882075.233	2760
1009444.686	882075.347	2880
1009445.969	882075.28	3060
1009447.317	882075.503	3180
1009448.723	882075.321	3060
1009449.998	882075.495	3300

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009445.553	882043.666	2820
1009445.866	882043.773	3000
1009445.362	882043.681	2820
1009444.243	882043.892	2820
1009443.489	882044.118	2700
1009442.524	882044.796	2880
1009441.207	882044.82	2220
1009440.074	882044.796	2220
1009439.116	882045.625	3060
1009437.615	882046.717	2460
1009436.428	882046.752	2700
1009435.123	882046.426	2160
1009433.801	882045.873	2460
1009432.376	882045.007	2580
1009431.755	882043.954	2880
1009431.575	882042.986	2820
1009430.731	882042.395	1980
1009429.693	882042.627	2220
1009428.544	882044.105	2640
1009427.123	882045.133	1980
1009425.424	882045.133	1980
1009423.885	882045.124	2220
1009422.646	882044.302	2400
1009421.994	882042.902	2460
1009421.034	882041.836	2880
1009419.522	882041.495	2400
1009418.28	882041.243	2340
1009416.923	882041.362	2400
1009415.238	882041.431	2760
1009413.573	882041.636	2820
1009411.567	882042.107	2820
1009409.312	882042.87	2700
1009408.074	882042.765	2460
1009406.467	882043.015	2460
1009404.41	882044.01	3000
1009402.611	882044.165	2940
1009400.727	882044.519	2580
1009398.952	882044.869	2340
1009397.155	882045.412	2760
1009395.363	882045.812	2160

Easting	Northing	CPM
1009451.442	882075.35	3000
1009453.037	882075.628	2700
1009454.669	882075.898	2280
1009456.341	882076.642	2700
1009457.619	882077.705	3060
1009457.883	882079.492	3240
1009457.03	882080.562	2880
1009455.369	882081.124	2580
1009454.433	882081.607	2700
1009454.353	882081.429	2760
1009454.409	882081.496	2820
1009454.523	882081.501	2880
1009454.571	882081.438	3720
1009454.533	882081.358	3180
1009454.541	882081.334	3240
1009454.559	882081.28	3000
1009454.076	882081.505	3660
1009452.809	882081.944	3060
1009451.479	882082.202	3180
1009449.779	882082.702	3000
1009447.946	882082.973	2880
1009446.169	882083.099	2880
1009444.574	882083.324	2640
1009442.916	882083.169	2520
1009440.796	882083.202	2460
1009438.841	882082.894	2700
1009436.743	882082.869	2760
1009434.729	882082.572	3720
1009432.468	882082.72	3420
1009430.571	882082.734	3000
1009428.853	882082.99	2820
1009427.035	882083.024	3000
1009424.912	882083.443	2940
1009422.769	882083.465	2580
1009457.259	882051.869	3060
1009456.815	882053.185	1920
1009455.889	882054.135	2340
1009455.43	882054.781	2340
1009455.297	882054.559	1920
1009454.111	882054.447	2280

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009393.381	882046.556	2280
1009391.391	882047.319	2580
1009389.568	882047.644	2160
1009387.262	882047.879	1980
1009385.348	882048.081	2160
1009383.585	882048.52	2520
1009381.748	882048.711	2220
1009379.687	882048.957	2400
1009377.847	882049.311	2280
1009376.009	882049.783	2520
1009373.862	882050.003	2580
1009371.556	882050.344	2340
1009369.399	882050.367	2880
1009367.304	882050.53	2580
1009365.537	882050.794	2340
1009363.529	882051.518	2580
1009361.561	882052.026	2460
1009359.544	882052.402	3120
1009357.185	882052.63	2820
1009355.207	882053.096	2400
1009353.086	882053.751	2820
1009350.632	882054.48	2460
1009348.537	882054.995	2400
1009346.431	882054.915	2280
1009344.228	882054.826	2220
1009342.288	882054.859	2820
1009340.362	882054.791	2460
1009338.324	882054.409	2940
1009336.295	882054.133	3120
1009334.404	882054.035	2880
1009332.53	882054.052	2160
1009330.698	882053.723	2820
1009329.343	882053.454	3180
1009327.568	882053.132	3660
1009325.885	882052.895	2700
1009324.258	882052.444	2460
1009323.047	882051.925	2640
1009321.496	882051.613	2880
1009320.146	882051.079	2940
1009319.037	882050.333	2940

Easting	Northing	CPM
1009452.231	882054.144	2280
1009450.398	882053.916	2520
1009448.739	882054.222	2760
1009445.911	882055.095	2700
1009444.751	882055.381	1980
1009442.932	882055.526	2820
1009440.967	882056.027	2820
1009438.791	882056.159	2820
1009436.451	882056.203	2760
1009434.61	882056.073	2340
1009432.715	882056.096	2760
1009430.745	882056.404	2700
1009428.544	882056.138	2820
1009426.257	882056.291	2460
1009423.994	882056.126	2160
1009421.816	882056.229	2760
1009419.632	882056.075	2460
1009417.619	882055.794	3120
1009415.565	882055.931	2580
1009413.713	882055.517	2880
1009411.659	882055.557	2700
1009409.554	882055.285	3240
1009407.496	882055.416	3660
1009405.218	882055.345	3240
1009403.433	882055.488	3480
1009401.169	882055.354	3060
1009399.229	882055.539	2820
1009396.985	882055.3	2820
1009394.908	882055.908	2580
1009392.676	882055.944	2460
1009390.447	882056.585	2520
1009388.234	882057.03	3060
1009386.022	882057.665	2760
1009383.586	882058.068	2580
1009381.136	882058.71	2760
1009378.667	882058.871	2580
1009376.249	882059.33	2520
1009373.759	882059.606	2460
1009371.384	882060.025	2700
1009369.4	882060.389	3000

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009317.897	882049.542	2940
1009316.827	882048.564	2580
1009315.498	882047.562	2700
1009314.575	882046.356	2400
1009313.471	882045.242	2700
1009312	882044.247	2280
1009310.3	882043.611	2520
1009308.388	882042.973	3180
1009306.659	882042.763	3240
1009305.262	882043.16	3000
1009303.989	882043.888	3120
1009302.406	882044.861	3180
1009300.783	882045.794	2880
1009299.243	882046.838	2880
1009297.84	882048.037	3600
1009296.652	882049.476	2940
1009295.498	882051.349	2820
1009294.351	882053.128	2520
1009293.387	882054.871	2880
1009292.65	882056.582	2700
1009291.954	882058.903	3000
1009291.227	882060.907	2940
1009290.578	882062.789	2760
1009290.086	882064.412	3300
1009289.498	882066.165	2460
1009288.941	882068.049	2400
1009288.184	882069.707	2700
1009287.976	882071.444	2220
1009287.539	882073.122	2340
1009286.925	882074.786	2400
1009286.435	882076.618	2160
1009286.002	882077.813	2040
1009285.678	882079.074	2400
1009285.955	882080.21	2580
1009285.842	882080.459	2400
1009285.784	882080.481	2040
1009285.795	882080.474	2580
1009285.791	882080.463	2280
1009285.775	882080.45	2100
1009285.787	882080.471	2280

Easting	Northing	CPM
1009367.625	882060.715	2640
1009365.771	882061.03	2880
1009363.844	882061.424	3180
1009362.117	882061.651	2520
1009360.243	882061.851	2220
1009358.184	882061.851	2580
1009356	882061.741	2700
1009353.994	882061.778	2880
1009351.643	882062.324	2820
1009349.609	882062.918	2700
1009347.431	882063.401	2640
1009345.327	882063.817	3060
1009343.222	882064.129	2880
1009340.821	882064.43	2820
1009338.447	882064.657	3240
1009336.796	882064.599	3300
1009336.089	882064.041	2820
1009335.681	882064.347	2820
1009335.183	882064.84	3120
1009334.265	882064.878	3060
1009332.919	882065.075	3180
1009331.471	882065.465	3120
1009329.934	882065.542	3000
1009328.113	882065.647	2940
1009326.428	882065.701	2760
1009324.712	882065.716	3180
1009322.964	882065.798	3540
1009321.287	882065.754	3000
1009319.662	882065.774	2580
1009318.106	882066.026	2820
1009316.415	882066.153	2760
1009314.759	882066.375	2760
1009313.096	882066.817	2700
1009311.281	882066.826	3000
1009309.451	882067.126	2820
1009307.482	882066.859	2700
1009305.415	882067.094	2880
1009303.838	882067.538	2340
1009302.417	882068.659	2400
1009302.344	882069.906	2340

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009285.802	882080.518	2100
1009285.744	882080.585	1980
1009285.335	882080.717	1740
1009284.543	882081.161	2520
1009283.388	882081.835	2100
1009282.237	882082.913	2460
1009280.98	882083.709	2160
1009279.195	882084.241	1620
1009277.414	882085.082	1920
1009275.817	882086.211	1920
1009274.233	882087.127	2700
1009272.807	882088.12	1500
1009271.289	882089.437	1860
1009269.588	882090.757	1860
1009267.98	882091.887	1860
1009266.324	882092.747	2040
1009264.716	882093.711	1740
1009263.157	882094.689	2040
1009261.653	882095.813	2040
1009260.292	882096.651	2220
1009258.906	882097.999	2700
1009257.767	882099.165	3000
1009256.911	882100.436	2340
1009256.183	882101.816	3000
1009255.499	882103.126	2220
1009254.894	882104.334	2520
1009254.284	882105.231	2400
1009253.874	882105.49	2640
1009254.054	882106.308	2700
1009254.625	882107.711	2760
1009255.232	882109.369	2880
1009255.838	882110.889	2340
1009256.989	882112.38	2460
1009257.474	882113.192	2340
1009258.193	882112.443	2100
1009258.007	882111.22	2340
1009257.557	882109.997	2640
1009257.431	882108.653	2220
1009257.607	882107.048	2580
1009257.936	882105.726	2640

Easting	Northing	CPM
1009303.821	882070.841	3000
1009305.636	882071.772	2520
1009307.472	882072.619	2580
1009309.693	882073.38	3000
1009311.762	882074.208	2460
1009313.953	882074.353	3120
1009315.77	882074.819	2760
1009317.899	882074.805	2700
1009320.29	882075.092	2340
1009322.296	882074.781	2940
1009324.547	882074.878	2580
1009326.604	882074.856	2700
1009328.543	882075.008	2880
1009330.465	882074.724	2820
1009332.59	882074.898	2700
1009334.651	882074.793	2940
1009336.956	882074.889	2940
1009339.336	882074.736	3000
1009341.575	882074.897	3120
1009344.071	882075.208	3480
1009346.038	882075.562	3000
1009347.991	882076.287	3120
1009349.95	882076.49	2760
1009352.013	882076.703	2400
1009354.229	882076.441	3180
1009356.466	882076.06	2640
1009358.5	882075.537	2340
1009360.372	882075.346	2460
1009362.675	882075.11	3180
1009364.998	882075.44	3180
1009367.358	882075.277	2820
1009369.732	882075.307	2760
1009371.929	882074.926	3000
1009374.05	882074.65	3000
1009376.168	882074.169	3120
1009378.326	882074.231	2700
1009380.199	882074.278	2100
1009381.553	882075.074	2580
1009381.716	882075.216	2400
1009381.76	882075.196	2640

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009258.031	882104.06	2700
1009258.442	882102.804	2640
1009258.454	882101.362	2940
1009258.815	882099.722	2880
1009259.156	882098.235	2340
1009259.917	882096.85	2340
1009260.722	882095.969	2100
1009262.566	882096.199	2460
1009263.692	882096.987	2820
1009263.875	882098.798	2580
1009263.843	882100.5	2520
1009263.609	882102.064	2460
1009263.463	882103.766	2400
1009263.258	882105.548	2040
1009263.158	882107.268	2280
1009262.998	882109.01	2340
1009262.859	882110.678	2580
1009262.669	882112.146	2220
1009263.169	882113.984	2700
1009263.819	882115.557	2520
1009265.212	882115.616	2340
1009265.654	882114.923	2700
1009265.998	882113.777	2760
1009266.002	882112.323	3060
1009265.634	882110.663	2280
1009265.831	882109.121	2580
1009266.259	882107.515	2880
1009266.761	882105.716	2640
1009267.25	882104.223	2580
1009268.817	882103.545	1800
1009270.383	882103.763	2160
1009271.856	882104.776	2580
1009272.703	882106.013	2580
1009273.101	882107.994	3000
1009273.317	882109.811	2640
1009273.17	882111.981	2940
1009273.481	882114.28	2040
1009273.99	882116.208	2100
1009274.857	882117.769	2280
1009275.699	882119.563	2220

Easting	Northing	CPM
1009381.81	882075.199	2520
1009381.793	882075.223	2460
1009381.74	882075.252	2940
1009381.716	882075.302	2880
1009381.754	882075.338	2640
1009382.524	882074.656	2700
1009384.258	882074.029	2580
1009386.607	882074.385	3000
1009389.352	882074.447	2700
1009391.441	882074.902	2940
1009393.972	882075.013	2940
1009396.316	882074.888	2700
1009398.149	882074.472	2880
1009399.979	882073.218	2940
1009402.083	882072.918	2220
1009404.37	882072.44	2400
1009406.237	882072.411	2640
1009408.253	882072.573	2760
1009410.147	882072.451	2460
1009412.534	882072.722	2820
1009414.523	882072.575	3240
1009416.584	882072.912	2940
1009418.782	882072.739	2760
1009420.821	882072.686	2760
1009422.637	882072.372	2760
1009424.61	882072.458	2760
1009426.652	882072.159	2640
1009428.73	882072.216	3000
1009430.699	882071.91	2700
1009432.597	882072.058	3420
1009434.407	882072.206	3120
1009435.995	882072.559	2940
1009436.789	882072.418	2880
1009436.74	882071.985	3300
1009435.883	882072.367	2880
1009435.101	882072.729	2760
1009435.199	882073.261	2940
1009435.345	882073.142	2760
1009434.91	882072.872	3120
1009434.399	882072.605	2640

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009276.851	882121.394	2280
1009277.561	882123.287	1740
1009278.015	882125.291	2460
1009278.088	882127.223	2340
1009278.064	882129.45	2340
1009278.017	882131.709	2100
1009278.098	882133.665	2340
1009278.364	882135.768	2340
1009278.497	882138.058	1860
1009278.935	882140.199	1980
1009279.306	882142.682	1740
1009280.332	882145.123	1920
1009281.166	882147.367	1860
1009281.82	882149.602	2400
1009282.595	882151.719	2160
1009282.938	882154.146	2280
1009283.466	882156.871	2220
1009283.807	882159.272	2400
1009284.298	882161.412	1920
1009284.499	882163.368	2640
1009284.779	882165.342	2760
1009284.857	882166.706	2820
1009284.6	882167.028	2700
1009284.547	882166.429	2400
1009284.565	882165.601	2580
1009284.613	882165.194	2700
1009284.848	882165.925	3000
1009285.067	882167.387	2880
1009285.317	882168.973	2400
1009285.35	882170.567	2940
1009285.418	882172.467	2580
1009285.279	882174.43	2460
1009285.277	882176.192	2220
1009285.048	882177.829	2640
1009285.059	882179.741	2160
1009284.964	882181.668	2640
1009284.852	882183.51	2640
1009284.956	882185.465	2520
1009285.353	882187.532	2460
1009285.394	882189.392	1980

Easting	Northing	CPM
1009433.799	882072.022	2880
1009432.525	882071.338	2940
1009431.863	882071.172	2580
1009431.722	882072.346	2700
1009431.929	882073.779	2220
1009432.894	882074.839	2340
1009434.22	882075.306	2460
1009435.972	882075.25	3000
1009437.719	882075.542	2880
1009438.788	882075.251	3240
1009438.812	882075.384	3360
1009438.669	882075.623	3060
1009438.447	882076	2580
1009438.34	882075.93	2160
1009438.232	882075.173	2580
1009437.805	882075.304	2220
1009437.199	882075.649	2700
1009436.762	882075.983	3000
1009436.86	882076.546	2580
1009437.427	882076.856	2160
1009438.09	882077.408	2580
1009438.861	882077.676	2580
1009439.567	882078.079	2100
1009440.214	882078.072	2760
1009441.038	882077.77	2640
1009441.464	882077.261	2820
1009441.406	882076.664	3060
1009441.847	882076.395	3000
1009441.739	882076.41	3000
1009441.741	882076.445	3060
1009441.735	882076.483	3180
1009441.696	882076.444	2760
1009441.664	882076.416	2820
1009441.619	882076.471	3000
1009441.555	882076.506	2760
1009441.505	882076.516	3120
1009441.426	882076.523	3060
1009441.389	882076.538	3420
1009441.353	882076.55	3120
1009441.122	882076.595	3240

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009285.682	882191.428	2040
1009285.924	882193.39	2580
1009286.084	882195.513	2580
1009285.998	882197.825	2460
1009286.158	882199.988	2160
1009286.43	882201.8	2220
1009287	882203.853	2340
1009287.183	882205.535	2040
1009287.219	882207.734	1860
1009287.741	882209.936	2280
1009288.126	882212.44	1980
1009288.351	882214.538	1860
1009288.313	882216.694	2460
1009288.799	882219.021	2520
1009289.06	882221.296	2400
1009289.341	882223.486	2640
1009289.249	882225.685	2580
1009289.325	882227.726	2220
1009289.442	882229.526	1860
1009290.297	882231.248	2160
1009291.564	882231.92	2280
1009293.656	882231.668	2460
1009295.886	882231.79	2940
1009298.017	882231.7	2940
1009299.407	882232.313	2880
1009300.474	882233.393	2400
1009301.646	882234.524	2580
1009302.915	882236.076	2760
1009303.693	882237.683	2580
1009304.122	882239.599	2520
1009304.483	882241.835	2520
1009304.535	882244.219	2820
1009304.731	882246.563	2820
1009304.67	882248.905	3240
1009304.715	882251.136	2520
1009304.707	882253.491	2580
1009304.564	882255.944	2640
1009304.363	882258.416	3060
1009304.178	882260.757	2460
1009303.749	882263.185	2820

Easting	Northing	CPM
1009441.09	882076.611	3060
1009441.279	882076.612	2760
1009441.263	882076.642	2160
1009441.267	882076.602	2340
1009441.28	882076.559	3120
1009441.247	882076.539	3600
1009441.453	882076.259	2820
1009441.911	882075.737	3060
1009442.113	882075.492	2940
1009442.194	882075.419	3120
1009421.188	882083.9	3060
1009420.657	882084.199	2760
1009420.814	882084.508	2760
1009420.934	882084.43	2760
1009420.937	882084.162	2400
1009421.261	882083.83	2640
1009421.441	882083.802	2640
1009421.197	882083.739	2940
1009419.902	882083.084	2940
1009418.396	882082.427	2520
1009416.237	882082.196	2880
1009414.004	882081.904	3120
1009411.992	882081.944	2820
1009410.006	882082.002	2940
1009408.243	882082.242	3120
1009407.431	882082.374	3060
1009408.368	882082.506	2640
1009409.496	882082.32	2760
1009410.041	882081.963	3240
1009410.313	882081.964	3060
1009410.224	882082.526	2520
1009409.909	882083.065	2760
1009409.971	882083.894	2580
1009409.848	882084.431	2400
1009409.318	882084.968	2940
1009409.259	882085.182	3000
1009409.363	882084.795	3060
1009408.953	882084.512	2700
1009408.845	882084.132	2880
1009409.078	882083.648	2940

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009303.694	882265.841	2700
1009303.524	882268.635	2460
1009303.683	882270.952	3000
1009303.537	882273.335	3000
1009303.539	882275.462	3480
1009303.383	882277.657	2940
1009303.129	882279.837	3060
1009302.853	882282.023	2400
1009302.398	882284.135	2580
1009302.1	882286.183	2820
1009301.695	882288.131	2700
1009301.441	882290.332	2580
1009301.143	882292.447	2220
1009300.759	882294.46	3240
1009299.729	882296.49	2880
1009298.81	882298.185	2820
1009297.45	882299.886	2580
1009296.351	882302.011	2880
1009295.19	882304.096	2460
1009294.391	882306.067	2400
1009293.619	882308.004	2220
1009292.918	882310.208	2220
1009291.995	882312.357	2460
1009291.104	882314.536	2760
1009290.191	882316.484	2520
1009289.177	882318.317	2820
1009288.144	882320.163	2820
1009287.179	882321.993	2040
1009286.449	882323.569	2640
1009285.572	882324.274	2760
1009285.566	882324.404	2340
1009285.416	882324.467	2640
1009285.121	882325.501	2280
1009284.451	882327.177	2340
1009283.54	882328.935	2400
1009282.583	882330.597	2400
1009281.482	882332.201	2340
1009280.47	882333.953	2940
1009279.187	882335.699	2880
1009278.243	882337.294	3360

Easting	Northing	CPM
1009409.091	882083.007	2700
1009409.433	882082.982	2880
1009409.717	882082.977	3300
1009409.843	882082.736	3060
1009410.289	882083.135	3240
1009410.445	882083.712	3060
1009410.801	882084.107	2400
1009410.978	882084.185	3060
1009410.678	882083.626	3360
1009410.696	882082.993	3000
1009410.652	882083.136	2700
1009410.334	882082.979	2700
1009409.891	882082.176	2580
1009409.091	882081.506	2820
1009408.146	882080.429	2280
1009406.657	882079.952	3000
1009404.862	882080.011	2880
1009403.01	882080.088	2640
1009401.334	882080.148	2520
1009399.701	882079.693	2580
1009398.157	882079.442	2340
1009396.729	882078.997	2640
1009395.119	882078.802	3120
1009393.285	882078.202	2700
1009391.642	882077.963	2820
1009390.209	882077.487	3420
1009388.897	882077.569	3240
1009388.233	882077.408	3060
1009387.833	882077.942	2820
1009387.829	882078.308	2460
1009387.954	882078.368	2640
1009388.28	882078.435	2940
1009388.444	882078.565	3060
1009388.48	882078.6	2520
1009388.47	882078.581	2700
1009388.479	882078.553	3240
1009388.508	882078.541	3240
1009388.485	882078.545	3300
1009388.506	882078.579	3120
1009388.513	882078.618	3300

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009277.144	882338.907	3000
1009276.17	882340.56	2700
1009275.309	882342.31	2640
1009274.233	882344.093	3240
1009273.474	882345.745	2940
1009272.518	882347.379	2340
1009271.948	882349.163	2340
1009270.665	882350.596	2520
1009269.997	882352.403	2280
1009269.032	882353.916	2340
1009268.198	882355.273	2340
1009267.953	882355.838	2160
1009269.181	882355.489	2580
1009270.603	882355.106	2160
1009272.06	882354.662	2280
1009273.16	882354.251	2340
1009274.245	882354.079	2460
1009275.581	882353.847	2700
1009277.24	882353.783	2460
1009278.903	882353.752	2220
1009280.626	882353.903	2460
1009282.34	882353.903	2580
1009284.313	882354.063	2340
1009286.181	882354.401	2880
1009287.905	882354.573	2220
1009289.845	882354.513	2820
1009291.959	882354.78	2520
1009294.07	882354.857	2640
1009295.996	882355.31	2640
1009297.347	882355.903	2700
1009298.054	882355.889	2460
1009298.736	882354.809	2280
1009299.615	882353.203	2700
1009300.156	882351.302	2460
1009300.805	882349.067	3120
1009301.527	882346.688	2520
1009302.172	882344.591	2700
1009302.319	882342.849	2580
1009301.806	882340.875	2880
1009301.364	882339.202	2760

Easting	Northing	CPM
1009388.507	882078.619	3420
1009388.53	882078.607	3300
1009388.538	882078.594	2940
1009388.554	882078.583	2760
1009388.558	882078.572	2400
1009388.546	882078.573	2400
1009388.549	882078.604	2760
1009388.562	882078.585	3180
1009388.413	882078.414	2700
1009387.811	882078.086	3060
1009386.803	882077.466	3120
1009385.395	882076.75	3060
1009383.943	882076.596	2700
1009382.178	882076.755	1920
1009380.645	882077.007	2760
1009379.183	882077.075	2880
1009377.764	882077.211	3000
1009376.395	882077.049	2940
1009374.953	882077.051	2820
1009373.389	882076.647	2340
1009371.839	882076.815	3060
1009370.142	882076.585	2580
1009368.462	882076.859	3420
1009366.836	882076.536	3240
1009365.117	882076.694	2940
1009363.463	882076.637	2880
1009362.038	882076.916	3660
1009361.525	882076.932	2820
1009361.728	882077.349	2940
1009362.549	882077.462	2760
1009363.271	882077.35	2940
1009363.695	882077.139	3480
1009363.658	882077.228	2940
1009362.96	882077.392	2640
1009361.645	882077.416	2820
1009360.221	882077.476	3300
1009359.272	882077.641	3180
1009359.12	882077.866	2940
1009359.502	882077.712	2700
1009359.585	882077.613	3240

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009301.22	882337.159	2580
1009301.275	882335.384	3180
1009301.379	882333.688	2940
1009301.598	882332.038	3180
1009301.452	882331.34	2880
1009301.581	882331.614	3000
1009301.146	882331.941	2880
1009301.347	882332.334	2520
1009301.586	882332.98	1980
1009301.688	882333.821	2400
1009302.038	882334.505	2340
1009301.902	882334.188	2700
1009301.464	882332.934	2460
1009301.504	882331.139	3300
1009301.383	882329.434	2760
1009300.794	882327.406	2640
1009300.113	882325.478	3000
1009298.93	882323.822	2460
1009297.695	882322.048	2460
1009296.705	882320.336	2640
1009296.374	882318.238	2460
1009296.915	882316.643	3060
1009298.55	882315.316	2700
1009300.304	882314.111	2580
1009302.1	882313.048	2280
1009303.887	882312	2400
1009305.864	882311.022	2400
1009307.66	882309.372	2640
1009307.823	882308.371	3240
1009306.575	882307.123	2700
1009305.128	882306.314	3060
1009303.542	882305.864	2520
1009301.881	882304.785	2940
1009300.44	882303.581	2460
1009299.15	882301.734	2520
1009298.128	882299.734	2460
1009297.346	882297.604	2820
1009297.412	882296.079	3120
1009299.343	882295.107	2760
1009301.672	882294.496	2700

Easting	Northing	CPM
1009359.625	882077.579	3120
1009359.632	882077.599	3180
1009359.601	882077.587	2700
1009359.582	882077.587	2700
1009359.584	882077.578	2760
1009359.561	882077.577	2460
1009359.553	882077.6	3060
1009359.556	882077.6	2580
1009359.604	882077.612	2760
1009359.694	882077.589	2640
1009359.672	882077.61	3180
1009359.587	882077.645	2820
1009359.505	882077.65	2700
1009359.451	882077.588	2700
1009359.458	882077.448	3180
1009359.52	882077.311	2520
1009359.625	882077.469	2460
1009359.535	882077.425	2640
1009359.045	882077.175	2520
1009358.424	882077.413	2820
1009358.237	882077.45	2880
1009357.548	882077.252	2940
1009356.388	882077.086	2700
1009355.404	882076.845	2700
1009354.125	882076.575	3060
1009352.372	882076.902	2940
1009350.687	882077.129	3000
1009348.973	882077.564	2760
1009347.366	882077.729	2580
1009345.708	882077.961	2520
1009344.461	882077.63	2820
1009343.537	882078.201	2940
1009343.805	882077.898	3300
1009344.338	882077.683	3000
1009344.519	882077.588	2580
1009344.52	882077.54	2880
1009344.529	882077.529	2700
1009344.534	882077.593	3300
1009344.552	882077.68	3000
1009344.536	882077.747	2700

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009304.068	882293.965	2820
1009306.724	882293.746	2520
1009308.792	882293.384	2580
1009311.099	882293.426	2580
1009313.609	882292.768	2520
1009315.806	882292.556	3060
1009317.635	882292.875	3240
1009318.346	882293.52	3060
1009318.625	882293.571	3000
1009318.637	882293.257	2520
1009317.954	882292.698	2220
1009317.911	882291.793	2340
1009317.289	882291.819	2640
1009315.894	882292.514	1920
1009314.622	882292.43	2400
1009313.399	882291.965	2400
1009312.909	882291.472	2520
1009313.31	882291.111	2460
1009314.009	882291.233	2460
1009315.027	882291.309	2580
1009315.856	882291.763	2520
1009315.912	882291.714	2580
1009315.479	882291.564	2760
1009315.254	882291.149	3240
1009315.357	882291.269	2340
1009315.474	882291.301	2700
1009315.52	882291.42	2460
1009315.428	882291.464	2700
1009315.186	882291.305	2940
1009315.229	882291.221	2340
1009315.781	882291.244	3060
1009317.144	882290.851	2520
1009318.039	882289.49	3180
1009318.208	882287.558	3480
1009318.071	882285.557	2820
1009317.491	882283.651	2640
1009317.288	882281.55	3420
1009316.558	882279.261	3180
1009316.252	882277.196	2700
1009315.571	882275.119	3180

Easting	Northing	CPM
1009344.378	882077.678	2760
1009343.868	882077.705	2880
1009342.825	882077.796	3360
1009341.222	882077.716	2880
1009339.336	882077.874	2580
1009337.937	882077.387	3120
1009336.377	882077.427	3180
1009334.812	882077.416	2520
1009333.082	882077.584	2400
1009331.525	882077.873	2460
1009330.256	882078.021	2880
1009328.442	882078.707	2820
1009327.477	882079.087	3000
1009328.226	882079.949	3060
1009329.747	882080.926	2820
1009331.665	882081.558	3120
1009333.54	882082.261	3000
1009335.782	882082.86	2700
1009337.989	882083.501	3300
1009340.146	882083.975	2640
1009342.252	882084.533	2880
1009344.436	882085.199	2880
1009346.745	882085.805	3180
1009349.105	882086.577	2700
1009351.417	882087.004	3000
1009353.597	882087.565	3180
1009355.782	882088.019	3240
1009357.916	882088.697	3240
1009359.939	882089.38	2580
1009362.13	882090.353	2820
1009364.398	882091.22	2760
1009366.47	882092.102	2580
1009368.649	882092.702	2700
1009370.576	882093.369	2700
1009372.694	882093.895	2940
1009374.562	882094.796	3060
1009376.584	882095.31	2940
1009378.613	882096.148	3000
1009380.553	882096.966	2580
1009382.414	882097.677	2640

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009315.471	882274.356	3180
1009315.159	882275.211	2880
1009315.556	882275.609	3300
1009315.735	882276.149	3000
1009316.047	882276.544	3180
1009315.98	882276.843	2280
1009315.953	882276.836	2340
1009315.859	882276.291	2880
1009315.652	882275.893	2940
1009315.934	882275.849	3420
1009316.043	882275.878	3240
1009316.015	882275.889	3120
1009315.783	882275.893	2940
1009315.702	882275.65	3540
1009315.482	882274.997	3060
1009315.287	882274.367	3300
1009315.222	882273.881	2880
1009314.811	882273.532	2520
1009314.907	882272.813	2520
1009314.881	882271.738	2880
1009314.794	882270.589	2820
1009314.475	882270.206	2460
1009314.229	882270.727	2580
1009314.488	882271.277	2340
1009314.216	882271.442	2880
1009314.258	882270.846	2820
1009314.011	882269.622	2460
1009313.986	882267.943	2220
1009313.939	882265.961	2820
1009313.614	882264.042	2760
1009313.093	882262.161	2640
1009312.408	882260.251	2700
1009311.738	882258.37	2700
1009311.085	882256.435	2940
1009310.685	882254.417	2520
1009310.129	882252.182	2220
1009309.472	882250.214	2580
1009308.434	882248.136	2940
1009308.022	882245.805	2400
1009307.823	882243.91	2940

Easting	Northing	CPM
1009384.353	882098.487	2520
1009386.405	882099.206	2640
1009388.401	882099.962	3240
1009390.601	882100.836	2820
1009392.571	882101.381	2520
1009394.81	882102.01	3180
1009396.711	882102.677	2700
1009398.894	882103.304	2880
1009400.844	882103.924	3000
1009402.503	882104.473	3180
1009404.212	882104.908	3060
1009405.764	882105.277	3180
1009407.68	882105.305	3600
1009409.435	882105.745	3300
1009411.494	882105.96	3240
1009413.37	882106.59	2280
1009415.109	882106.989	2280
1009416.646	882107.274	2760
1009418.177	882107.65	3000
1009419.899	882107.846	3420
1009421.271	882108.498	3240
1009423.065	882109.166	3180
1009424.669	882110.326	2940
1009426.433	882111.445	3240
1009428.183	882112.899	2700
1009429.879	882114.073	2280
1009431.457	882115.154	2640
1009433.273	882115.995	2700
1009435.314	882116.72	2640
1009437.445	882117.391	2880
1009439.618	882118.144	2820
1009441.62	882118.608	2520
1009443.489	882119.426	2700
1009444.798	882120.261	2940
1009445.82	882121.133	2880
1009446.375	882121.941	2700
1009446.981	882122.334	3060
1009446.889	882123.245	3060
1009446.882	882123.341	3540
1009446.848	882123.27	3240

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009308.102	882242.049	3000
1009308.076	882240.466	2400
1009307.67	882239.733	2580
1009307.572	882239.278	2220
1009307.209	882238.966	2700
1009307.122	882239.038	3120
1009307.131	882239.179	2520
1009307.151	882238.789	2640
1009306.468	882237.801	3060
1009305.311	882236.466	3000
1009304.399	882235.373	2640
1009303.409	882234.059	3060
1009303.278	882231.859	2220
1009303.294	882229.367	2880
1009303.805	882226.768	2580
1009303.941	882224.464	2640
1009303.601	882222.095	2160
1009303.123	882219.815	2400
1009302.445	882217.598	2940
1009301.983	882215.286	3120
1009301.429	882213.147	3000
1009301.061	882210.914	2700
1009300.37	882208.574	2580
1009300.01	882206.19	2400
1009299.357	882204.008	2520
1009298.939	882201.427	2040
1009298.312	882199.201	2220
1009297.791	882197.123	3000
1009297.436	882196.241	2520
1009297.713	882196.94	2700
1009298.302	882197.665	2400
1009298.346	882197.275	2220
1009297.818	882195.817	2400
1009297.289	882193.917	2400
1009296.731	882191.966	2460
1009296.062	882189.858	2160
1009295.698	882187.735	2340
1009295.06	882185.694	2520
1009294.5	882183.698	2580
1009293.901	882181.655	2160

Easting	Northing	CPM
1009446.84	882123.316	3240
1009446.757	882123.262	3120
1009446.714	882123.276	3600
1009446.849	882123.33	3240
1009447.189	882123	2640
1009447.808	882121.915	2880
1009448.731	882120.83	3000
1009450.053	882119.5	2700
1009451.571	882118.701	2820
1009452.079	882118.503	3300
1009452.543	882117.962	3060
1009453.352	882117.177	2580
1009454.414	882116.686	2760
1009455.271	882115.68	3300
1009456.104	882115.52	3660
1009456.192	882115.587	3120
1009456.282	882115.575	2760
1009456.308	882115.574	3000
1009456.37	882115.474	3660
1009456.188	882115.489	3540
1009455.035	882115.581	3000
1009453.875	882115.736	2280
1009454.129	882117.308	2940
1009454.632	882119.049	3180
1009454.848	882120.648	3420
1009454.911	882121.735	3180
1009455.323	882122.39	2640
1009455.61	882123.267	3240
1009455.922	882124.482	3180
1009456.653	882125.427	2580
1009457.08	882126.087	3000
1009457.436	882127.007	2400
1009457.386	882127.952	2460
1009457.535	882128.992	2460
1009457.309	882129.966	2760
1009457.458	882130.925	1980
1009457.357	882132.061	1800
1009457.524	882133.424	1560
1009457.31	882135.193	2100
1009457.09	882136.783	2460

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009293.445	882179.703	2520
1009292.639	882177.734	2400
1009292.168	882175.919	2460
1009291.419	882173.991	2280
1009290.857	882172.095	2040
1009289.61	882170.173	2460
1009288.686	882168.296	2100
1009287.773	882166.753	2280
1009287.302	882164.72	2160
1009286.792	882162.628	2520
1009286.38	882160.664	2520
1009285.779	882158.575	2520
1009285.082	882156.399	2400
1009284.4	882154.38	2460
1009283.956	882152.478	2580
1009284.057	882150.135	2580
1009284.631	882148.035	2160
1009285.046	882145.951	2520
1009285.189	882143.826	2220
1009285.203	882141.787	2460
1009285.309	882139.672	2640
1009285.276	882137.566	2100
1009285.262	882135.392	2460
1009285.244	882133.45	2580
1009285.259	882131.665	2040
1009285.233	882130.046	2640
1009284.744	882128.118	2100
1009284.431	882126.17	2100
1009283.64	882124.169	1860
1009283.006	882121.893	1920
1009282.559	882119.616	2580
1009282.588	882117.273	2520
1009282.328	882114.992	2220
1009282.405	882112.867	2400
1009282.492	882110.612	2040
1009282.035	882109.082	2340
1009281.196	882107.819	2640
1009280.306	882106.808	2520
1009279.583	882105.729	2340
1009278.684	882104.783	2520

Easting	Northing	CPM
1009456.642	882138.416	2700
1009456.748	882140.399	3120
1009456.486	882142.187	2940
1009456.136	882143.835	2340
1009455.916	882145.703	2400
1009455.427	882147.854	2220
1009455.392	882150.104	2520
1009455.352	882151.847	2640
1009455.779	882153.344	2340
1009456.119	882155.292	2220
1009456.32	882157.343	2040
1009456.028	882159.096	1920
1009456.079	882161.321	2100
1009456.211	882163.628	2520
1009456.679	882165.837	2280
1009456.517	882168.03	2520
1009456.801	882170.515	2280
1009456.936	882172.614	2100
1009457.446	882174.452	2700
1009457.315	882176.42	2340
1009457.366	882178.48	2400
1009456.964	882180.423	2700
1009456.968	882182.238	2580
1009456.906	882183.942	2760
1009456.3	882185.579	2400
1009456.577	882187.472	3120
1009456.188	882189.059	2820
1009456.013	882190.78	2880
1009456.016	882192.672	2460
1009455.443	882194.245	2940
1009454.601	882195.55	2820
1009454.332	882197.464	3480
1009453.917	882199.522	3540
1009453.825	882201.54	2820
1009453.297	882203.492	2880
1009452.996	882205.295	2940
1009452.427	882206.93	3300
1009452.522	882208.693	3300
1009452.428	882210.233	2820
1009452.485	882211.84	2700

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009277.687	882103.861	2340
1009276.635	882102.884	2160
1009275.139	882101.821	2100
1009273.852	882100.885	2100
1009272.431	882099.845	2100
1009271.201	882098.642	1860
1009269.754	882097.515	2280
1009268.214	882096.51	1800
1009266.757	882095.488	2040
1009266.356	882093.955	1800
1009267.434	882093.238	1260
1009269.04	882094.11	1680
1009270.891	882095.505	2220
1009272.587	882096.732	1860
1009273.955	882098.002	2340
1009275.179	882098.927	2280
1009276.663	882100.218	2220
1009277.87	882101.383	2040
1009279.234	882102.73	2340
1009280.664	882103.918	2520
1009281.932	882105.11	2340
1009283.459	882106.197	2340
1009284.872	882107.344	2280
1009286.435	882108.056	2340
1009287.534	882107.994	2220
1009287.548	882106.711	2580
1009286.557	882105.512	2460
1009285.281	882104.469	2460
1009283.536	882103.624	2460
1009282.145	882102.127	2340
1009280.774	882101.097	2340
1009279.652	882099.828	1860
1009278.202	882098.759	1920
1009276.888	882097.525	2520
1009275.206	882096.372	2100
1009273.657	882095.251	2280
1009272.529	882094.064	2280
1009272.3	882092.309	1680
1009272.774	882091.119	1500
1009273.615	882089.955	1860

Easting	Northing	CPM
1009451.96	882213.512	2880
1009451.554	882214.681	3240
1009451.579	882215.589	2640
1009452.698	882216.282	2520
1009453.374	882216.882	2640
1009454.081	882217.66	3000
1009454.574	882218.824	3000
1009455.179	882219.818	3120
1009454.654	882221.342	3000
1009453.593	882222.499	2340
1009451.882	882223.087	2760
1009450.323	882223.585	2580
1009448.569	882224.362	2880
1009446.628	882224.719	3000
1009444.798	882225.36	3240
1009442.866	882225.676	2940
1009440.748	882226.479	2880
1009438.735	882226.949	3480
1009436.951	882227.461	2460
1009434.773	882227.405	3060
1009432.662	882227.649	3240
1009430.358	882228.032	2820
1009428.24	882229.186	2640
1009426.234	882230.133	2280
1009424.554	882230.838	1800
1009422.843	882231.773	2280
1009420.873	882232.176	2340
1009418.911	882232.9	2400
1009416.906	882233.541	2820
1009414.809	882234.418	2700
1009412.831	882234.945	2580
1009410.863	882235.754	2940
1009408.803	882236.23	3300
1009406.891	882237.098	2520
1009404.928	882237.736	2040
1009402.869	882238.373	2340
1009400.698	882238.822	2460
1009398.362	882239.181	2940
1009396.028	882239.319	2820
1009393.671	882239.694	3300

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009274.478	882089.037	2040
1009275.585	882089.245	2100
1009277.097	882090.438	2100
1009278.585	882091.931	2340
1009279.873	882093.495	2160
1009281.317	882094.838	2220
1009283.472	882096.137	2280
1009285.557	882097.588	2940
1009286.544	882098.417	3060
1009286.391	882097.915	2520
1009285.741	882097.553	2940
1009285.473	882097.055	2820
1009285.446	882096.868	3120
1009285.504	882097.066	2700
1009285.517	882097.114	2580
1009285.919	882097.588	2580
1009287.151	882098.353	2460
1009288.157	882099.384	2700
1009289.06	882100.522	2460
1009290.098	882101.424	2580
1009291.366	882102.751	2880
1009292.662	882104.369	2700
1009294.012	882105.835	2880
1009295.612	882107.29	3000
1009297.169	882108.626	3000
1009298.749	882109.835	2700
1009300.231	882111.463	2460
1009301.853	882113.038	2760
1009303.164	882114.593	2580
1009304.688	882115.884	1980
1009306.033	882117.717	2280
1009307.774	882119.194	2160
1009309.266	882120.412	1680
1009311.117	882121.036	2760
1009312.913	882122.2	2820
1009314.818	882123.26	2700
1009316.314	882124.935	2400
1009316.548	882126.723	2760
1009315.357	882127.784	2520
1009313.402	882127.571	2460

Easting	Northing	CPM
1009391.365	882239.908	2580
1009389.223	882240.612	2340
1009386.983	882241.136	2880
1009384.788	882241.986	3000
1009382.436	882242.483	3360
1009380.07	882242.914	3060
1009377.723	882243.065	2520
1009375.718	882242.631	2520
1009373.498	882242.213	3000
1009371.309	882242.071	3000
1009369.135	882241.525	2820
1009366.532	882241.267	2580
1009364.483	882241.004	2820
1009362.456	882241.094	3120
1009360.302	882240.694	3420
1009358.027	882240.846	2580
1009355.907	882240.486	2700
1009353.674	882240.554	2940
1009351.55	882240.215	2580
1009349.283	882240.407	2640
1009346.798	882240.206	3060
1009344.291	882240.182	2940
1009341.876	882239.726	2760
1009339.557	882239.477	2640
1009337.052	882238.902	2460
1009334.761	882238.393	2580
1009332.309	882237.722	2880
1009329.557	882237.209	2820
1009327.179	882236.589	2880
1009324.946	882235.936	2580
1009322.846	882235.623	2520
1009320.887	882235.136	2640
1009318.816	882234.887	2460
1009316.991	882234.557	3180
1009314.762	882234.4	2880
1009313.003	882234.026	2760
1009310.85	882233.591	2640
1009308.886	882233.055	2580
1009307.076	882232.961	2760
1009305.176	882232.566	2940

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009311.808	882126.475	2220
1009310.165	882125.051	1620
1009308.511	882123.835	2160
1009306.942	882122.542	2100
1009305.293	882121.19	1980
1009303.624	882120.03	2340
1009301.985	882118.671	2280
1009300.32	882117.595	2100
1009299.078	882117.11	2100
1009298.086	882118.113	2700
1009297.78	882119.416	2820
1009298.021	882120.937	2580
1009298.355	882122.418	2220
1009299.242	882123.9	2460
1009300.004	882125.112	2820
1009301.255	882126.022	2640
1009302.724	882127.133	2040
1009303.8	882128.331	1980
1009305.06	882129.804	2400
1009306.701	882131.36	2340
1009308.075	882132.846	2640
1009309.221	882134.174	2400
1009310.576	882135.59	2400
1009311.495	882137.518	2340
1009311.989	882139.215	2100
1009311.718	882140.861	2340
1009310.687	882142.058	2340
1009308.858	882142.078	2340
1009306.818	882141.664	2160
1009304.972	882140.544	2700
1009303.015	882139.2	2280
1009301.631	882138.081	2340
1009299.995	882137.003	2220
1009298.24	882135.906	2100
1009296.636	882135.007	1560
1009294.763	882134.111	1980
1009293.207	882133.192	2160
1009291.404	882132.559	2340
1009289.849	882132.512	2520
1009288.437	882133.095	2280

Easting	Northing	CPM
1009303.029	882232.134	2580
1009300.974	882231.344	2460
1009299.043	882229.981	2220
1009298.74	882227.711	2400
1009300.077	882226.299	2460
1009302.404	882225.879	2460
1009304.763	882225.622	2520
1009307.134	882225.736	2400
1009309.077	882225.794	2460
1009310.74	882226.058	2760
1009312.51	882226.208	3060
1009314.286	882226.833	2700
1009316.544	882226.625	2820
1009318.954	882227.061	2520
1009321.205	882227.267	2700
1009323.059	882227.576	3000
1009325.288	882227.374	2520
1009327.556	882227.382	2700
1009329.569	882227.32	3240
1009331.618	882227.42	2760
1009333.659	882227.348	2700
1009335.783	882227.379	2760
1009337.928	882227.391	2820
1009340.24	882227.633	2520
1009342.579	882227.844	2520
1009345.112	882228.093	2460
1009347.347	882227.948	1980
1009350.027	882227.696	2280
1009352.743	882227.683	2220
1009355.387	882227.643	2460
1009357.955	882227.822	2940
1009359.972	882227.789	2940
1009361.847	882228.08	2820
1009363.538	882228.086	2700
1009364.64	882228.8	2820
1009364.839	882228.982	2460
1009364.714	882228.924	2700
1009364.705	882228.92	3300
1009364.895	882228.822	2280
1009365.762	882228.297	2280

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009288.058	882134.508	2400
1009288.525	882136.102	2820
1009289.251	882137.761	2280
1009290.574	882139.062	2520
1009291.803	882140.296	2340
1009293.006	882141.818	2220
1009294.385	882143.487	2100
1009295.938	882145.293	2520
1009297.286	882147.051	2820
1009298.557	882148.764	2700
1009299.766	882150.396	2700
1009301.004	882152.116	2520
1009302.227	882153.634	2640
1009303.314	882155.206	2400
1009304.726	882156.432	2160
1009306.294	882158.079	2400
1009308.257	882159.279	2580
1009309.834	882160.935	2160
1009311.759	882162.487	2160
1009313.415	882164.107	2460
1009315.121	882165.649	2220
1009316.257	882167.551	2220
1009317.043	882169.734	2280
1009317.592	882171.701	2040
1009317.745	882174.11	2400
1009318.093	882176.225	2700
1009318.04	882176.893	2520
1009318.205	882176.105	2220
1009317.856	882175.65	2340
1009317.841	882176.529	2280
1009317.964	882178.118	2040
1009318.322	882180.218	1980
1009318.424	882182.239	2640
1009318.849	882184.372	2760
1009319.167	882186.427	3180
1009319.424	882188.258	2940
1009319.95	882189.842	3420
1009320.289	882191.72	2640
1009320.607	882193.282	2640
1009320.868	882195.392	3120

Easting	Northing	CPM
1009367.586	882227.238	2760
1009369.743	882227.137	2580
1009372.054	882227.128	2640
1009374.198	882227.168	3060
1009376.62	882227.406	2760
1009379.058	882227.395	2400
1009380.933	882227.423	2940
1009382.644	882226.834	2760
1009384.297	882226.811	2880
1009385.894	882226.576	2760
1009387.337	882226.886	2700
1009389.326	882226.338	2700
1009391.192	882225.962	2400
1009393.052	882226.081	2940
1009394.96	882225.88	2880
1009396.96	882225.49	2700
1009398.652	882225.164	3180
1009400.492	882224.41	2580
1009402.336	882223.758	2820
1009404.23	882222.679	2340
1009406.114	882221.865	2880
1009407.967	882220.967	2760
1009409.902	882220.357	2520
1009411.651	882219.645	2340
1009413.602	882219.374	2280
1009415.494	882218.436	2520
1009417.811	882218.306	2100
1009419.891	882217.687	2820
1009421.757	882217.373	2400
1009423.523	882216.475	2460
1009425.863	882215.997	3120
1009427.744	882215.834	3240
1009429.772	882215.775	2760
1009431.423	882215.534	2580
1009433.28	882215.294	2280
1009435.142	882214.612	2340
1009437.042	882214.394	3060
1009438.639	882214.042	3180
1009440.518	882213.95	2160
1009442.507	882213.959	1620

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009321.304	882197.508	3180
1009321.47	882199.629	2760
1009321.932	882201.181	2220
1009321.658	882203.011	2280
1009321.858	882204.87	2280
1009321.713	882206.828	2700
1009321.754	882208.715	3120
1009321.345	882210.622	2460
1009321.31	882212.578	3000
1009321.027	882214.393	2760
1009321.272	882216.436	2700
1009321.145	882218.537	2580
1009321.378	882220.713	1980
1009321.105	882222.91	2760
1009321.223	882225.053	3060
1009321.119	882226.968	2640
1009320.99	882228.888	2340
1009320.841	882230.752	2220
1009320.965	882232.981	2580
1009320.709	882235.343	2460
1009320.414	882237.669	2160
1009320.369	882239.993	2640
1009320.3	882242.226	2700
1009320.309	882244.323	2700
1009320.028	882246.279	2280
1009319.883	882248.498	2820
1009319.638	882250.523	3060
1009319.844	882252.669	2940
1009319.844	882254.776	2580
1009319.986	882256.801	2520
1009319.92	882258.857	2640
1009319.947	882261.02	2520
1009319.909	882262.908	2940
1009319.998	882264.63	2580
1009319.69	882266.598	3060
1009319.465	882268.535	3360
1009319.089	882270.142	3180
1009318.792	882271.414	3300
1009318.275	882272.416	2940
1009318.287	882274.034	2880

Easting	Northing	CPM
1009444.108	882214.183	2520
1009445.324	882213.684	3000
1009446.815	882213.664	2940
1009448.041	882212.56	2880
1009449.163	882211.721	3480
1009450.139	882210.793	3300
1009451.18	882210.634	2700
1009451.826	882211.137	2520
1009451.95	882211.097	3180
1009451.984	882211.104	3420
1009451.991	882211.075	3540
1009451.991	882211.064	2880
1009452.01	882211.064	2940
1009452.034	882211.084	2880
1009452.02	882211.088	2220
1009451.995	882211.043	3000
1009451.953	882211.055	2700
1009451.492	882210.874	2820
1009450.219	882210.452	3540
1009448.875	882210.373	2940
1009447.481	882209.919	3000
1009445.961	882210.044	2880
1009444.476	882209.896	2520
1009443.134	882210.092	2580
1009441.617	882210.094	3120
1009440.31	882210.3	2580
1009439.137	882210.435	2640
1009437.523	882210.72	2520
1009435.461	882210.996	2400
1009433.621	882210.96	2640
1009431.648	882211.548	2340
1009429.704	882211.252	2820
1009427.956	882211.479	2880
1009426.374	882211.284	3060
1009424.665	882211.628	2820
1009422.609	882211.718	2880
1009420.604	882211.812	2520
1009418.72	882211.674	2400
1009417.015	882211.714	2460
1009415.371	882211.44	2340

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009318.124	882275.846	2580
1009318.398	882277.864	3180
1009318.468	882279.985	3060
1009318.643	882281.94	2580
1009318.578	882283.629	2880
1009318.664	882285.449	3000
1009318.432	882287.416	3000
1009318.28	882289.529	2940
1009317.917	882291.556	3000
1009317.655	882293.413	2400
1009317.107	882295.552	2760
1009316.74	882297.342	3120
1009316.229	882299.336	2760
1009315.978	882301.424	2820
1009315.472	882303.406	2940
1009315.332	882305.367	2460
1009315.161	882307.708	3240
1009315.49	882310.022	2700
1009315.74	882312.384	2400
1009316.225	882314.882	2880
1009316.43	882317.122	2460
1009316.611	882319.401	2520
1009316.539	882321.931	3300
1009316.711	882324.107	3480
1009316.741	882326.485	2940
1009316.698	882328.689	2760
1009317.132	882330.824	3000
1009317.361	882332.959	3000
1009318.274	882335.045	2880
1009318.831	882336.996	2880
1009319.894	882338.927	2640
1009320.514	882340.949	3000
1009321.307	882342.817	3120
1009321.899	882344.322	3120
1009323.445	882345.231	2700
1009324.892	882345.289	2700
1009325.816	882343.571	2700
1009326.627	882341.742	2640
1009327.015	882339.774	2880
1009326.985	882337.445	2640

Easting	Northing	CPM
1009413.461	882211.731	2340
1009411.174	882211.81	2820
1009409.21	882212.145	2880
1009407.385	882212.008	3000
1009405.651	882212.264	2760
1009403.902	882212.196	2280
1009402.078	882212.669	2460
1009400.377	882212.807	3120
1009398.535	882212.959	2760
1009396.357	882212.996	2460
1009394.23	882213.064	2760
1009392.182	882213.13	3060
1009390.359	882213.347	2820
1009388.6	882213.336	2700
1009386.548	882213.695	2700
1009384.503	882213.843	2640
1009382.212	882214.134	2940
1009380.289	882214.197	2340
1009378.127	882214.389	2640
1009376.154	882214.409	2700
1009374.25	882215.179	2880
1009372.111	882215.381	2940
1009370.019	882216.056	2700
1009367.727	882216.159	2580
1009365.656	882216.639	2160
1009363.495	882216.92	2640
1009361.602	882217.526	2700
1009359.656	882217.655	2340
1009357.663	882218.014	2580
1009355.348	882217.32	2880
1009353.031	882216.809	2400
1009351.349	882216.311	2880
1009349.076	882216.06	3120
1009346.49	882215.818	2760
1009344.058	882215.696	2640
1009341.759	882215.589	2340
1009339.738	882215.469	2100
1009337.44	882215.176	2340
1009335.622	882214.97	2280
1009333.415	882214.964	2760

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009326.801	882335.12	2760
1009326.723	882333.046	2760
1009326.799	882330.708	2760
1009326.644	882328.434	2880
1009326.588	882326.111	2820
1009326.44	882323.872	2760
1009326.353	882321.837	3180
1009325.949	882319.732	2580
1009325.731	882317.669	2820
1009325.437	882315.577	3000
1009325.09	882313.884	2460
1009323.872	882312.035	2340
1009323.099	882310.252	2520
1009322.131	882308.663	2160
1009320.726	882306.917	2880
1009318.854	882305.361	2940
1009316.517	882304.298	2160
1009314.352	882302.924	3000
1009312.302	882301.662	2940
1009310.278	882300.576	2580
1009308.296	882299.667	2640
1009306.422	882298.833	2580
1009304.645	882297.202	2640
1009302.75	882295.887	2400
1009300.215	882295.175	3000
1009297.624	882295.092	2160
1009295.31	882294.815	2580
1009293.724	882293.677	2880
1009292.46	882291.846	2160
1009292.1	882289.883	3120
1009291.67	882288.428	3060
1009290.076	882287.589	3240
1009287.942	882287.073	2880
1009285.679	882287.305	2580
1009283.178	882287.558	2700
1009280.949	882288.097	2700
1009278.761	882288.549	2760
1009276.666	882289.169	1980
1009274.94	882290.067	2160
1009272.927	882291.199	1980

Easting	Northing	CPM
1009331.343	882214.64	2760
1009329.185	882214.673	3120
1009327.303	882214.365	2760
1009325.167	882214.538	3060
1009323.197	882214.336	2760
1009321.268	882214.38	3060
1009319.376	882214.096	3000
1009317.496	882214.12	2400
1009315.395	882213.793	2820
1009313.492	882213.953	2640
1009311.609	882213.55	2400
1009309.854	882212.781	2580
1009308.491	882211.164	2520
1009307.133	882209.769	2520
1009306.179	882208.401	2820
1009305.048	882207.109	2100
1009304.759	882205.989	2460
1009304.595	882205.934	2220
1009304.545	882206.2	2880
1009304.567	882206.109	2580
1009304.554	882206.091	2640
1009304.547	882206.119	2700
1009304.528	882206.139	2940
1009304.527	882206.129	2100
1009304.526	882206.117	2760
1009304.503	882206.119	2940
1009304.494	882206.105	2220
1009304.497	882206.111	2340
1009304.491	882206.118	2580
1009304.489	882206.124	2940
1009304.504	882206.123	2400
1009304.507	882206.13	2100
1009304.507	882206.145	2520
1009304.499	882206.158	2700
1009304.486	882206.141	2580
1009304.482	882206.102	2640
1009304.488	882206.103	2460
1009304.509	882206.145	2940
1009304.537	882206.012	2760
1009305.147	882205.833	2460

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009271.208	882292.17	2220
1009269.943	882293.004	2220
1009269.374	882294.225	2340
1009269.078	882295.607	2520
1009268.942	882297.166	2220
1009268.503	882298.492	2100
1009267.978	882299.2	2400
1009266.568	882299.436	2160
1009265.815	882298.727	2340
1009265.615	882297.05	2220
1009265.856	882294.945	2340
1009266.569	882292.571	2340
1009267.089	882290.282	2160
1009267.661	882287.925	2160
1009268.006	882285.9	2580
1009268.399	882283.99	2100
1009268.13	882281.878	2460
1009267.85	882280.014	2280
1009266.98	882278.044	2040
1009266.004	882276.5	2280
1009264.506	882275.484	2400
1009262.998	882274.772	2400
1009261.21	882274.412	1920
1009259.342	882274.006	2400
1009257.41	882273.657	2580
1009255.635	882273.32	2100
1009253.651	882273.071	2100
1009251.928	882272.4	2460
1009250.218	882271.908	2220
1009248.482	882271.39	2100
1009246.831	882271.014	2340
1009245.076	882270.54	2520
1009243.381	882270.278	2100
1009241.801	882269.5	2160
1009240.827	882268.544	1920
1009240.984	882266.879	2100
1009242.03	882265.604	2340
1009243.362	882265.708	2520
1009244.9	882265.772	2280
1009246.572	882265.514	2700

Easting	Northing	CPM
1009306.475	882205.097	2580
1009307.744	882204.293	2340
1009309.591	882203.887	2400
1009311.492	882202.849	2340
1009313.766	882202.091	2520
1009315.74	882200.751	2400
1009317.607	882199.553	2520
1009319.523	882198.336	2220
1009321.56	882197.58	2520
1009323.798	882196.732	2880
1009325.832	882195.89	2940
1009327.987	882195.227	2640
1009330.158	882194.454	2340
1009332.365	882194.041	2640
1009334.559	882193.21	2340
1009336.801	882192.398	2460
1009338.903	882191.286	2940
1009341.006	882190.45	3060
1009342.852	882189.475	2520
1009345.376	882189.059	2400
1009347.601	882188.7	2820
1009349.508	882188.564	2640
1009351.324	882188.338	2640
1009353.341	882188.411	2700
1009355.644	882188.287	2760
1009357.866	882187.979	2700
1009360.133	882187.89	2400
1009362.218	882187.332	2760
1009364.369	882187.2	2400
1009366.597	882186.61	2940
1009369.162	882186.247	2460
1009371.342	882185.702	2460
1009373.739	882185.323	2220
1009375.951	882184.596	3000
1009378.235	882184.075	2940
1009380.167	882183.304	2880
1009382.481	882183.025	2460
1009384.652	882182.473	2280
1009387.22	882182.592	2460
1009389.345	882182.668	2520

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009248.486	882265.664	2760
1009250.161	882265.196	3420
1009251.819	882264.663	2760
1009250.549	882156.906	2760
1009251.858	882155.709	2460
1009253.846	882155.456	2400
1009255.975	882155.345	1920
1009258.081	882155.637	2100
1009259.885	882155.527	2640
1009261.582	882155.828	2520
1009263.238	882155.788	2580
1009264.859	882156.098	2940
1009266.614	882156.037	1980
1009268.035	882156.023	2160
1009269.88	882155.198	2220
1009271.022	882154.409	2160
1009271.598	882152.451	2400
1009271.685	882150.373	2520
1009271.204	882148.494	2640
1009270.482	882146.677	2160
1009269.183	882145.317	2220
1009267.758	882144.356	2460
1009266.144	882143.814	3000
1009264.269	882143.569	2520
1009262.233	882143.01	2820
1009260.166	882142.57	3060
1009258.214	882141.557	2880
1009256.171	882140.611	2640
1009254.459	882139.418	2760
1009252.943	882138.177	2280
1009251.883	882136.527	2220
1009252.316	882134.282	2400
1009253.324	882132.519	2340
1009254.987	882131.668	2220
1009256.625	882131.521	1920
1009258.336	882131.889	1980
1009259.965	882132.411	2160
1009261.684	882132.609	1860
1009263.546	882132.981	2520
1009265.216	882133.179	2040

Easting	Northing	CPM
1009391.462	882183.045	2040
1009393.363	882182.691	2160
1009395.035	882182.695	2400
1009396.879	882182.607	2520
1009398.919	882182.975	3000
1009400.877	882182.56	2280
1009403.176	882182.482	2520
1009405.547	882182.249	2280
1009407.474	882182.049	2520
1009409.675	882181.376	2640
1009411.93	882180.984	2520
1009414.315	882180.257	2640
1009416.03	882179.67	2940
1009418.211	882178.596	2640
1009420.383	882177.809	2760
1009422.702	882177.269	2700
1009424.953	882177.158	2820
1009427.192	882177.032	3420
1009429.36	882176.617	3300
1009431.466	882176.57	2820
1009433.486	882176.308	3420
1009435.512	882175.979	3240
1009437.293	882175.436	3000
1009439.197	882174.743	2700
1009441.141	882174.116	3240
1009442.696	882173.667	3000
1009444.356	882173.421	3000
1009446.001	882173.064	2880
1009447.809	882172.517	2760
1009449.211	882171.922	2640
1009450.706	882171.67	2580
1009452.12	882170.999	2220
1009453.521	882170.573	3000
1009454.455	882169.191	2400
1009454.987	882167.92	3000
1009454.191	882166.713	2820
1009453.003	882165.849	3120
1009451.081	882165.783	2640
1009449.49	882165.332	2820
1009447.575	882165.191	2820

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009266.967	882133.774	2400
1009268.908	882133.951	1920
1009270.634	882134.317	2100
1009272.234	882134.564	2760
1009273.976	882134.439	2340
1009276.07	882134.778	2160
1009278.038	882134.85	2940
1009279.887	882134.756	2460
1009281.469	882133.868	2280
1009282.34	882132.253	2280
1009282.265	882130.573	2040
1009280.917	882129.481	1980
1009279.387	882128.643	2580
1009277.41	882128.708	2100
1009275.325	882128.597	2280
1009273.514	882128.839	2340
1009271.651	882128.972	2160
1009269.634	882128.528	2040
1009267.593	882127.862	2460
1009265.922	882126.933	2160
1009264.404	882126.068	2400
1009263.345	882124.623	2760
1009261.837	882123.151	2460
1009260.661	882121.66	2160
1009259.666	882119.793	2220
1009259.037	882118.143	2280
1009259.16	882116.146	2520
1009260.115	882115.141	2700
1009261.839	882114.994	2640
1009263.671	882114.741	2580
1009265.343	882114.902	2880
1009267.055	882114.918	2280
1009268.393	882115.546	2460
1009270.156	882116.731	2400
1009271.833	882117.491	1980
1009273.584	882118.399	2100
1009275.505	882118.797	2580
1009277.391	882119.24	1980
1009278.945	882119.249	2100
1009280.365	882118.253	2280

Easting	Northing	CPM
1009445.507	882165.27	3180
1009442.939	882165.579	2640
1009440.624	882165.972	2820
1009438.45	882166.227	3000
1009436.14	882166.206	3360
1009433.719	882166.502	2880
1009431.73	882166.419	2160
1009429.539	882166.79	2580
1009427.387	882166.799	2400
1009425.357	882167.307	2700
1009423.492	882167.138	3180
1009421.457	882167.368	3420
1009419.313	882167.006	3000
1009416.75	882167.488	2640
1009414.473	882167.946	3000
1009412.33	882168.571	2880
1009410.068	882168.818	3060
1009408.178	882169.411	2760
1009406.336	882169.561	2940
1009404.59	882170.004	2280
1009402.992	882170.062	3360
1009401.472	882170.197	3120
1009399.794	882170.575	2880
1009398.181	882170.904	3120
1009396.48	882171.53	2580
1009394.405	882171.664	2820
1009392.325	882171.934	2220
1009390.264	882172.086	3000
1009388.737	882172.733	2520
1009387.464	882172.796	2400
1009386.122	882173.547	2100
1009385.001	882173.969	1860
1009383.985	882174.622	2040
1009381.922	882175.503	2340
1009379.903	882176.282	2580
1009377.886	882176.833	2700
1009375.857	882177.5	2040
1009373.716	882177.891	2340
1009371.667	882178.465	2760
1009369.302	882178.533	2520

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009281.91	882117.322	2940
1009283.38	882116.157	2880
1009285.107	882115.438	2460
1009285.901	882114.283	2280
1009285.651	882112.598	1680
1009284.009	882110.874	1380
1009282.089	882109.211	2280
1009280.152	882108.048	2340
1009278.03	882107.035	2340
1009276.126	882106.115	2760
1009274.374	882105.095	2340
1009272.809	882103.693	2460
1009270.83	882102.6	2160
1009269.429	882101.329	2220
1009267.723	882100.159	1980
1009266.186	882098.654	1680
1009264.412	882097.371	2340
1009263.299	882095.673	2160
1009263.41	882094.431	2700
1009264.844	882093.672	1860
1009266.769	882093.202	1800
1009269.219	882093	1800
1009271.832	882093.215	2220
1009274.093	882092.758	1920
1009276.467	882091.359	1920
1009278.423	882090.087	1800
1009279.936	882088.719	1920
1009281.664	882087.808	2100
1009283.711	882087.157	1860
1009285.434	882086.293	2340
1009287.026	882085.533	2520
1009287.836	882084.074	3180
1009288.324	882082.41	2700
1009288.751	882080.604	2580
1009289.042	882078.596	2100
1009289.429	882076.69	2100
1009289.481	882074.385	2520
1009290.401	882072.745	2700
1009291.191	882070.983	2940
1009292.228	882069.957	2520

Easting	Northing	CPM
1009367.116	882178.982	2340
1009364.667	882179.111	2400
1009362.381	882179.804	2220
1009360.002	882180.121	2820
1009357.829	882180.847	2520
1009355.952	882181.636	2580
1009354.105	882182.603	3120
1009352.151	882183.414	2940
1009350.482	882183.974	2940
1009348.474	882184.531	2760
1009346.46	882185.196	2400
1009344.303	882185.803	2460
1009342.095	882186.411	2460
1009340.26	882186.995	2700
1009338.287	882187.467	2100
1009336.314	882187.944	2040
1009334.257	882188.414	2220
1009332.174	882188.957	2520
1009329.938	882189.641	2040
1009294.019	882149.882	2700
1009295.044	882148.834	2340
1009295.585	882149.02	2640
1009295.251	882149.104	2220
1009295.08	882149.536	1920
1009295.352	882149.662	1680
1009295.54	882149.007	2100
1009295.833	882147.692	1920
1009295.808	882147.469	1980
1009295.525	882148.55	2280
1009295.496	882149.134	1980
1009295.615	882149.317	1920
1009295.476	882149.326	1500
1009295.32	882149.325	2040
1009295.293	882149.289	2100
1009295.235	882149.239	2160
1009295.205	882149.268	2100
1009295.174	882149.346	2400
1009295.15	882149.348	2040
1009295.136	882149.326	2160
1009295.131	882149.324	2280

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009293.076	882070.219	2460
1009293.062	882070.191	2640
1009292.886	882069.934	2880
1009292.068	882070.03	2820
1009291.923	882070.041	2580
1009291.734	882070.118	2220
1009291.592	882070.15	2220
1009291.53	882070.185	2400
1009291.475	882070.168	2760
1009291.468	882070.159	2100
1009291.49	882070.144	2820
1009291.491	882070.132	3000
1009291.497	882070.113	2580
1009291.49	882070.102	2760
1009291.474	882070.087	2040
1009291.483	882070.07	2820
1009291.495	882070.119	2460
1009291.465	882070.191	2460
1009253.298	882264.058	3000
1009254.998	882263.508	2520
1009256.807	882263.293	2460
1009258.791	882262.771	2220
1009260.725	882262.307	2640
1009262.696	882262.035	2400
1009264.155	882261.576	2460
1009265.196	882259.861	2520
1009265.622	882258.399	2460
1009264.301	882257.243	2400
1009263.088	882256.596	2100
1009262.688	882256.562	2160
1009262.674	882256.485	2160
1009262.649	882256.518	2100
1009262.646	882256.536	2280
1009262.617	882256.521	2520
1009262.636	882256.523	2760
1009262.613	882256.483	2760
1009262.013	882256.114	2520
1009261.183	882255.908	2700
1009260.471	882256.014	2040
1009259.266	882255.861	2280

Easting	Northing	CPM
1009295.131	882149.324	2580
1009295.107	882149.349	2280
1009295.105	882149.358	2100
1009295.115	882149.346	2460
1009295.159	882149.342	2520
1009295.175	882149.21	2400
1009295.087	882148.867	2160
1009294.991	882148.717	2280
1009295.064	882148.922	2520
1009295.083	882148.978	2100
1009295.076	882148.99	1740
1009295.086	882148.99	1980
1009295.103	882148.982	2160
1009295.107	882148.966	2340
1009295.099	882148.953	2400
1009295.093	882148.947	1920
1009295.125	882149.029	2280
1009295.148	882149.142	2100
1009295.324	882149.518	2100
1009295.637	882150.021	2040
1009295.56	882149.873	2760
1009295.585	882149.779	2820
1009295.659	882149.89	2160
1009295.666	882149.935	1620
1009295.5	882149.888	1980
1009295.192	882149.632	2160
1009295.095	882149.486	2220
1009295.18	882149.517	1740
1009295.226	882149.598	2100
1009295.142	882149.614	2040
1009295.082	882149.609	2280
1009295.126	882149.544	1860
1009295.15	882149.549	2220
1009295.157	882149.519	2100
1009294.96	882149.404	1680
1009294.871	882149.387	1800
1009295.457	882149.665	1740
1009295.87	882149.799	1680
1009295.691	882149.722	2220
1009295.518	882149.664	2460

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009257.907	882255.636	2400
1009256.283	882255.418	2400
1009255.326	882255.347	2400
1009255.387	882255.121	2700
1009255.436	882255.144	2100
1009255.384	882255.202	2280
1009255.374	882255.247	2100
1009255.375	882255.256	1860
1009255.373	882255.26	1920
1009254.999	882255.274	2400
1009253.889	882254.947	2460
1009251.937	882254.377	2280
1009250.49	882254.229	2760
1009248.948	882254.01	2280
1009247.431	882253.737	2580
1009246.052	882253.456	3060
1009244.782	882253.201	2820
1009243.468	882252.711	2640
1009242.306	882252.112	2220
1009241.373	882251.283	2700
1009240.999	882249.562	2820
1009241.078	882247.894	2760
1009241.923	882246.298	2520
1009243.012	882245.231	2700
1009244.15	882244.978	2700
1009245.274	882245.41	2940
1009246.651	882245.621	2520
1009247.945	882246.109	2640
1009249.339	882245.991	2040
1009251.049	882246.65	2160
1009252.333	882246.888	1980
1009253.78	882247.611	2100
1009255.633	882247.911	2220
1009257.596	882248.135	2100
1009259.597	882247.916	2280
1009261.594	882247.746	2820
1009263.58	882247.6	2520
1009265.46	882247.288	2100
1009267.241	882246.069	2580
1009267.947	882244.868	2400

Easting	Northing	CPM
1009295.499	882149.657	2220
1009295.404	882149.606	2160
1009295.302	882149.555	2340
1009295.302	882149.555	1680
1009295.302	882149.555	1980
1009295.302	882149.555	1740
1009295.302	882149.555	1860
1009295.302	882149.555	2100
1009295.302	882149.555	1560
1009295.302	882149.555	2520
1009295.302	882149.555	2160
1009295.302	882149.555	1980
1009295.302	882149.555	2100
1009295.302	882149.555	1980
1009295.302	882149.555	2280
1009295.302	882149.555	2040
1009295.302	882149.555	2220
1009295.302	882149.555	1920
1009295.302	882149.555	1860
1009295.302	882149.555	2220
1009295.302	882149.555	2160
1009295.302	882149.555	1980
1009295.302	882149.555	2340
1009295.302	882149.555	1740
1009295.302	882149.555	1560
1009295.302	882149.555	2280
1009295.302	882149.555	2400
1009295.302	882149.555	2520
1009295.302	882149.555	2760
1009295.302	882149.555	1920
1009295.302	882149.555	1920
1009295.302	882149.555	2100
1009295.302	882149.555	2460
1009295.302	882149.555	2220
1009295.302	882149.555	2640
1009295.302	882149.555	1980
1009295.302	882149.555	1740
1009295.302	882149.555	1860
1009327.872	882190.256	2940
1009325.707	882190.743	2520

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009267.277	882243.239	1500
1009265.994	882241.787	2220
1009264.417	882240.95	2400
1009262.628	882239.943	2640
1009260.892	882239.175	2820
1009259.003	882238.253	2340
1009257.255	882237.402	2400
1009255.506	882236.571	2760
1009253.91	882235.751	2460
1009251.914	882235.13	2520
1009250.387	882234.325	2820
1009248.933	882233.422	3240
1009248.195	882232.087	3000
1009248.545	882231.818	2940
1009248.744	882232.472	2580
1009248.608	882232.767	3000
1009248.555	882232.849	3060
1009248.655	882232.738	2880
1009248.676	882232.759	2700
1009248.572	882232.937	3000
1009248.591	882232.92	2880
1009248.731	882232.733	2460
1009248.572	882232.837	2640
1009248.549	882232.519	2160
1009248.619	882231.142	2520
1009248.903	882229.895	2700
1009250.202	882228.99	2400
1009251.806	882228.921	2340
1009253.503	882229.099	2640
1009255.252	882229.388	2220
1009256.942	882229.655	2340
1009258.68	882229.845	1980
1009260.283	882230.041	2100
1009261.989	882230.563	2640
1009263.638	882231.176	2700
1009264.905	882231.701	2400
1009266.464	882232.084	2400
1009268.577	882232.211	2160
1009270.48	882231.884	2280
1009272.394	882230.836	2580

Easting	Northing	CPM
1009323.648	882191.013	2940
1009321.211	882191.5	2640
1009319.425	882192.009	2640
1009317.496	882192.527	2880
1009315.413	882193.358	2640
1009313.157	882193.816	2160
1009311.183	882194.406	2280
1009309.658	882194.74	1920
1009307.915	882195.214	2460
1009306.197	882195.556	2460
1009304.357	882195.681	2100
1009302.563	882195.564	1560
1009300.67	882195.238	2400
1009299.01	882194.668	1920
1009297.222	882194.218	1920
1009295.391	882193.525	2280
1009293.676	882193.231	2280
1009291.374	882192.571	2580
1009289.258	882191.92	2700
1009287.237	882191.101	2220
1009285.348	882189.693	3120
1009283.882	882188.02	2220
1009283.066	882186.147	1680
1009283.156	882183.869	2040
1009284.214	882182.072	2700
1009285.497	882181.076	2460
1009286.953	882180.165	3060
1009288.305	882179.451	2580
1009288.984	882179.068	2280
1009289.092	882179.357	2460
1009289.018	882179.455	2640
1009288.978	882179.58	2640
1009289.106	882179.377	2880
1009289.772	882178.888	2160
1009291.244	882178.338	2280
1009293.048	882177.581	2640
1009294.921	882177.229	2280
1009296.702	882176.562	2160
1009298.731	882176.566	1980
1009300.268	882176.003	2100

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009273.132	882229.823	1980
1009272.252	882228.014	1980
1009270.481	882226.714	2220
1009268.064	882226.348	2040
1009266.044	882225.989	1980
1009263.89	882225.774	2880
1009261.794	882225.65	2280
1009259.676	882224.948	2460
1009257.534	882224.516	2460
1009255.759	882223.785	2280
1009254.058	882223.265	2700
1009252.975	882222.444	2520
1009252.711	882221.628	2160
1009252.669	882221.181	2700
1009251.922	882221.214	3000
1009250.997	882220.93	2520
1009250.218	882220.58	2880
1009250.074	882219.222	2580
1009250.314	882218.12	2400
1009251.413	882217.445	1920
1009253.372	882217.128	2040
1009255.152	882216.812	2760
1009257.014	882216.921	2940
1009258.882	882216.641	2700
1009260.632	882216.588	2280
1009262.438	882216.492	2280
1009263.998	882215.78	2640
1009265.438	882214.813	2220
1009266.497	882213.207	2520
1009267.097	882211.677	2580
1009267.034	882209.781	2580
1009266.498	882208.281	2160
1009265.049	882207.279	2640
1009263.353	882206.643	2580
1009261.582	882206.644	2040
1009259.633	882206.635	2160
1009257.767	882206.968	2760
1009255.812	882207.515	2640
1009254.228	882207.552	2400
1009252.478	882207.843	2520

Easting	Northing	CPM
1009301.856	882175.998	2280
1009303.231	882175.209	2220
1009305.057	882175.054	1860
1009306.626	882173.934	2340
1009308.453	882173.606	2160
1009309.995	882172.499	1980
1009311.609	882171.927	2400
1009313.158	882171.148	2220
1009315.138	882170.696	2160
1009316.755	882169.786	2220
1009318.609	882169.37	2220
1009320.414	882168.564	1980
1009322.208	882168.082	2520
1009324.039	882167.307	2640
1009325.941	882166.809	2280
1009327.628	882166.026	2520
1009330.056	882165.464	2520
1009331.811	882164.911	2520
1009334	882164.586	2400
1009336.255	882163.981	2160
1009338.484	882163.324	1920
1009341.292	882162.563	2280
1009343.502	882161.792	2220
1009345.434	882161.595	2520
1009347.482	882160.671	2460
1009349.736	882160.437	2100
1009351.888	882159.615	2640
1009354.053	882159.297	2160
1009355.946	882158.612	1920
1009358.081	882158.182	2400
1009359.658	882157.709	2280
1009361.224	882157.825	2520
1009362.249	882157.293	2400
1009363.501	882157.068	2040
1009365.969	882155.675	1980
1009368.838	882154.494	2700
1009371.068	882153.916	3240
1009373.033	882153.238	2700
1009375.173	882152.992	2640
1009377.285	882151.986	2100

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009251.175	882207.401	2640
1009250.44	882206.909	2940
1009250.18	882206.842	2220
1009250.164	882206.899	2460
1009250.151	882206.944	2700
1009250.055	882206.984	2520
1009249.803	882206.769	2820
1009249.127	882206.303	2520
1009247.88	882206.05	2760
1009247.041	882205.298	2520
1009247.207	882203.288	2820
1009247.95	882201.496	2760
1009249.211	882200.44	2400
1009250.74	882199.253	2340
1009252.311	882198.661	2880
1009253.88	882198.087	3180
1009255.312	882197.604	2760
1009256.526	882197.556	2520
1009257.74	882196.726	2580
1009259.345	882195.689	2160
1009261.02	882194.933	2100
1009263.038	882194.966	2340
1009264.887	882194.791	2340
1009266.585	882194.663	2460
1009268.608	882194.201	2340
1009270.494	882193.693	2340
1009271.953	882192.766	2160
1009273.524	882191.346	2520
1009275.09	882190.119	2280
1009276.39	882188.616	2640
1009276.895	882187.003	2820
1009275.743	882185.451	2880
1009274.025	882184.452	1980
1009271.998	882183.619	2340
1009270.035	882182.892	2640
1009268.16	882182.352	2520
1009266.182	882182.181	2220
1009264.316	882181.818	2460
1009262.228	882181.239	2340
1009260.366	882180.787	2100

Easting	Northing	CPM
1009379.357	882151.539	2940
1009381.509	882150.624	2640
1009383.828	882150.179	2880
1009386.437	882149.93	2760
1009388.716	882149.855	2820
1009391.144	882149.68	3180
1009393.735	882149.127	3300
1009396.062	882148.942	3060
1009398.863	882148.328	3180
1009400.962	882147.866	2820
1009403.169	882147.334	3000
1009405.313	882147.419	2820
1009407.838	882146.945	3240
1009409.806	882146.753	2880
1009411.263	882146.082	2940
1009412.781	882146.034	2520
1009414.357	882145.577	2340
1009416.188	882145.172	2760
1009417.824	882144.838	3000
1009419.667	882144.254	2700
1009421.482	882143.814	3000
1009423.287	882143.155	3000
1009425.31	882142.937	3480
1009427.358	882142.165	3000
1009429.483	882141.721	3480
1009431.505	882140.953	3960
1009433.602	882140.671	3300
1009435.894	882139.953	3000
1009438.162	882139.349	2940
1009440.114	882138.464	3420
1009441.975	882137.659	2880
1009443.712	882136.567	2580
1009445.163	882135.663	3360
1009445.538	882134.028	3720
1009445.392	882132.49	3660
1009443.536	882131.913	3180
1009441.238	882131.61	2700
1009439.201	882131.284	2880
1009437.057	882131.66	3120
1009435.27	882131.628	3480

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009258.418	882180.085	2580
1009256.784	882179.734	2280
1009255.057	882178.911	2280
1009253.684	882177.378	2520
1009253.186	882175.761	2460
1009254.05	882174.024	2160
1009255.632	882173.245	2280
1009257.656	882173.3	2520
1009259.704	882173.145	2400
1009261.561	882173.458	2400
1009263.264	882173.7	2580
1009265.001	882173.658	2700
1009266.733	882173.955	2640
1009268.713	882173.502	2520
1009270.659	882173.242	2220
1009272.479	882172.48	2400
1009274.401	882172.162	2460
1009276.222	882171.463	2100
1009276.993	882170.493	2160
1009275.898	882168.833	2340
1009274.257	882167.633	2040
1009272.338	882167.021	2160
1009270.219	882166.374	2220
1009268.259	882165.886	2340
1009266.311	882165.332	2220
1009264.322	882164.731	2460
1009262.452	882164.197	2640
1009260.753	882163.74	2460
1009258.802	882163.279	2220
1009256.8	882162.745	2220
1009254.842	882162.194	2460
1009252.893	882161.529	1800
1009250.831	882160.637	2160
1009249.998	882158.983	2400
1009291.469	882070.178	3420
1009291.53	882070.064	3360
1009292.381	882070.194	2880
1009294.583	882070.335	2640
1009295.059	882069.844	2760
1009292.66	882069.625	2160

Easting	Northing	CPM
1009433.638	882132.305	3480
1009431.564	882132.552	3360
1009429.813	882133.269	2940
1009427.908	882133.866	3120
1009425.938	882134.6	3000
1009424.146	882135.031	2940
1009422.173	882135.844	3240
1009420.367	882136.57	2580
1009418.57	882137.538	2940
1009416.853	882138.083	3180
1009414.853	882139.087	3180
1009413.028	882139.883	3540
1009411.217	882140.863	2760
1009409.42	882141.523	2760
1009407.374	882142.446	2820
1009405.692	882142.976	3000
1009403.848	882143.82	2520
1009401.753	882144.19	3060
1009399.834	882145.153	3120
1009398.294	882145.619	2520
1009396.586	882146.422	2100
1009394.577	882146.885	2940
1009392.549	882147.604	2880
1009390.486	882148.069	3240
1009388.484	882148.845	2820
1009386.396	882149.238	3240
1009384.275	882149.638	3120
1009382.071	882149.359	2880
1009379.9	882148.919	3360
1009377.984	882148.188	3060
1009375.593	882147.731	2820
1009373.422	882146.822	2940
1009370.908	882146.435	2640
1009368.811	882146.175	2760
1009366.471	882146.902	2760
1009364.289	882147.54	2460
1009362.279	882148.778	2220
1009360.101	882150.074	2580
1009358.618	882151.693	2820
1009357.97	882152.679	2580

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009291.531	882070.267	2640
1009291.563	882070.834	2940
1009291.592	882070.82	2700
1009291.616	882070.838	2280
1009291.587	882070.871	2640
1009291.572	882070.886	3120
1009291.574	882070.907	3000
1009291.584	882070.931	2220
1009291.662	882070.913	2100
1009291.744	882070.873	2280
1009291.791	882070.833	2640
1009291.76	882070.853	2580
1009291.751	882070.882	2280
1009291.763	882070.871	3060
1009291.783	882070.862	2820
1009291.77	882070.829	2520
1009291.557	882070.405	2640
1009291.441	882070.459	2160
1009291.628	882071.314	2460
1009291.688	882071.329	2400
1009291.633	882071.324	2700
1009291.664	882071.343	3000
1009291.643	882071.381	2640
1009291.591	882071.411	2160
1009291.587	882071.428	2040
1009291.597	882071.406	2520
1009291.584	882071.421	2700
1009291.587	882071.417	2700
1009291.596	882071.444	2700
1009291.63	882071.562	2760
1009291.728	882071.583	2520
1009292.038	882070.908	2820
1009293.212	882069.495	3060
1009295.089	882068.365	2340
1009296.07	882067.781	3000
1009296.084	882068.001	3000
1009296.118	882068.303	2220
1009296.076	882068.09	2640
1009295.848	882067.952	2280
1009295.717	882068.043	2400

Easting	Northing	CPM
1009358.131	882153.262	2460
1009357.901	882153.854	2460
1009357.893	882154.86	3060
1009357.892	882155.562	2760
1009356.741	882155.984	2580
1009355.137	882156.115	2280
1009352.913	882155.625	2400
1009350.99	882155.777	1680
1009348.207	882155.977	2520
1009345.747	882156.668	2340
1009342.745	882157.266	2640
1009340.509	882157.955	2640
1009338.304	882159.189	3060
1009336.009	882159.783	2580
1009333.63	882160.929	2280
1009331.202	882161.585	2880
1009329.095	882162.491	1920
1009327.145	882163.03	2100
1009325.168	882163.99	2280
1009323.002	882164.217	1860
1009320.841	882164.936	2280
1009318.656	882165.264	2220
1009316.682	882165.955	2100
1009314.583	882166.026	2280
1009312.528	882166.513	2760
1009310.465	882166.353	2760
1009308.207	882166.698	2700
1009305.833	882166.656	2400
1009303.896	882166.912	2400
1009301.779	882166.822	2460
1009299.706	882167.041	1860
1009297.745	882166.897	2460
1009295.907	882166.889	2040
1009293.927	882166.816	2340
1009291.481	882166.822	2280
1009289.354	882166.717	2580
1009287.369	882166.888	2940
1009285.424	882167.174	2280
1009283.605	882167.393	2220
1009281.384	882167.447	2280

Survey Unit: CE-FSS-23-08

Gamma Walkover Survey

Instrument: Ludlum Model 12 (172705) with 44-10 (277925)

Easting	Northing	CPM
1009295.63	882068.102	2760
1009295.614	882068.096	2760
1009295.605	882068.085	2760
1009295.802	882068.237	2460
1009296.16	882068.612	3000
1009296.223	882068.801	3000
1009296.205	882068.821	2640
1009296.214	882068.832	2760
1009296.29	882068.869	2880
1009296.336	882068.878	2880
1009296.292	882068.889	3120
1009296.262	882068.974	3540
1009296.285	882069.026	3480
1009296.395	882069.066	3000
1009296.534	882069.087	3180

Easting	Northing	CPM
1009279.481	882167.104	2160
1009278.07	882165.642	2280
1009277.416	882163.57	2520
1009278.071	882162.246	2820
1009279.25	882160.788	2580
1009280.524	882159.407	2520
1009281.712	882158.38	2220
1009283.153	882156.928	2220
1009284.646	882156.151	2340
1009286.244	882154.847	2400
1009288.008	882153.931	2040
1009289.662	882152.544	2100
1009291.149	882151.883	2280
1009292.426	882150.6	2760

FSS INTERNAL CHAIN OF CUSTODY FORM



Project Info		Laboratory Info		INVOICE (if other than MACTEC contact)	
MACTEC Contact	Project No.	Laboratory Name	Phone	Laboratory Name	Phone
Project Title	Purchase Order No.	Lab Contact	Fax	Lab Contact	Fax
Address		Address		Address	
City/State/Zip		City/State/Zip		City/State/Zip	
Special Handling Instructions					

Sample ID No.	Date Collected	time	Type ¹	Media	Volume	Description if necessary	Analysis			
FSS-23-08- 001 - 01	9-21-11	1235	Rad	Soil	1 pint					
FSS-23-08- 002 - 01	↓	1240	Rad	Soil	1 pint					
FSS-23-08- 003 - 01		1245	Rad	Soil	1 pint					
FSS-23-08- 004 - 01		1250	Rad	Soil	1 pint					
FSS-23-08- 005 - 01		1255	Rad	Soil	1 pint					
FSS-23-08- 006 - 01		1300	Rad	Soil	1 pint					
FSS-23-08- 007 - 01		1305	Rad	Soil	1 pint					
FSS-23-08- 008 - 01		1310	Rad	Soil	1 pint					
FSS-23-08- 009 - 01		1315	Rad	Soil	1 pint					
FSS-23-08- 010 - 01		1320	Rad	Soil	1 pint					
FSS-23-08- 011 - 01		1325	Rad	Soil	1 pint					
FSS-23-08- 012 - 01		1330	Rad	Soil	1 pint					
FSS-23-08- 013 - 01		1335	Rad	Soil	1 pint					
FSS-23-08- 014 - 01		1340	Rad	Soil	1 pint					
FSS-23-08- 014 - 1S	9-21-11	1340	Rad	Soil	1 pint					

Relinquished By:	Ronald R. Como	Received By:		¹ Type
Signed/Date/Time	Ronald R. Como 9-21-11 1400	Signed/Date/Time		RS-Radioactive
Received By:	Brianna Sullivan	Relinquished By:		Chem-Chemical
Signed/Date/Time	msg 9-21-11 @ 1400	Signed/Date/Time		Mix-Rad+Chemic
Relinquished By:		Received By:		
Signed/Date/Time		Signed/Date/Time		

Appendix G Page 66

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-001
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-001
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.432E+002 g
 Sample Taken On: 9/21/2011 12:35:00 PM
 Acquisition Started: 9/22/2011 11:32:34 AM
 Live Time: 1000.0 seconds
 Real Time: 1000.4 seconds
 Dead Time: 0.04 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.88E+001	2.50E+000	1.01E+000
CO-60	U	3.28E-003	8.62E-002	1.27E-001
SB-125	UI	-2.47E-002	1.93E-001	2.77E-001
CS-137	U	-1.58E-002	8.78E-002	1.25E-001
Ra-226		6.81E-001	1.14E-001	2.32E-001
TH-230	U	3.68E-001	2.45E+001	3.13E+001
PA-231	U	-1.63E+000	2.65E+000	3.47E+000
Th-231	U	1.27E+000	8.68E-001	1.41E+000
Th-232		8.35E-001	9.46E-002	1.65E-001
PA-234M	U	-3.19E+000	1.12E+001	1.59E+001
U-234	U	8.45E+001	9.83E+001	1.42E+002
U-235	U	6.69E-002	9.74E-002	1.46E-001
U-238	U	1.15E+000	1.26E+000	1.96E+000
AM-241	U	1.50E-001	3.00E-001	4.07E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-002
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-002
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.532E+002 g
 Sample Taken On: 9/21/2011 12:40:00 PM
 Acquisition Started: 9/22/2011 11:54:11 AM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.75E+001	2.37E+000	7.98E-001
CO-60	U	1.44E-002	7.99E-002	1.31E-001
SB-125	U	2.26E-003	1.72E-001	2.55E-001
CS-137	U	8.50E-002	8.51E-002	1.49E-001
Ra-226		5.33E-001	1.10E-001	1.62E-001
TH-230	U	3.83E+000	2.24E+001	2.91E+001
PA-231	U	-2.42E+000	2.49E+000	3.00E+000
Th-231	U	9.62E-001	8.52E-001	1.36E+000
Th-232		5.16E-001	1.23E-001	1.40E-001
PA-234M	U	1.00E+000	8.50E+000	1.34E+001
U-234	U	3.21E+001	8.40E+001	1.17E+002
U-235	UI	6.26E-002	7.22E-002	1.20E-001
U-238	U	1.85E+000	1.05E+000	1.76E+000
AM-241	U	1.20E-001	2.69E-001	3.69E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-002LR
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-002LR
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.532E+002 g
 Sample Taken On: 9/21/2011 12:40:00 PM
 Acquisition Started: 9/22/2011 4:20:55 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.65E+001	2.34E+000	1.13E+000
CO-60	U	-2.87E-002	1.02E-001	1.30E-001
SB-125	U	-5.87E-003	1.65E-001	2.43E-001
CS-137	U	6.16E-002	8.72E-002	1.46E-001
Ra-226		4.90E-001	1.32E-001	1.54E-001
TH-230	U	5.52E+000	2.25E+001	2.97E+001
PA-231	U	-2.09E+000	2.35E+000	2.91E+000
Th-231	U	1.37E+000	8.04E-001	1.34E+000
Th-232		6.27E-001	9.38E-002	1.79E-001
PA-234M	U	8.91E-001	9.55E+000	1.50E+001
U-234	U	-9.66E+001	1.15E+002	1.30E+002
U-235	U	6.12E-002	8.71E-002	1.31E-001
U-238	U	1.40E+000	1.06E+000	1.74E+000
AM-241	U	2.12E-001	2.30E-001	3.41E-001

Uncertainty reported at 1.9600 sigma

QC Analysis Comparison

Table G-1

FSS Quality Control Accuracy and Precision Comparison										
Isotope	Sample ID CE- FSS-23-08-002				Sample ID CE- FSS-23-08-002LR					
	Activity Value (pCi/g)	Uncert.	Resolution	Agreement Range	Activity Value (pCi/g)	Uncert.	Agreement Ratio (Accuracy)	% Deviation (Precision)	Acceptable	Comments
Ra-226	5.33E-01	5.60E-02	10	0.6 - 1.66	4.90E-01	6.74E-02	0.92	4.2	Yes	N/A
Th-232	5.16E-01	6.30E-02	8	0.6 - 1.66	6.27E-01	4.79E-02	1.22	-9.7	Yes	N/A
K-40	1.75E+01	1.21E+00	14	0.6 - 1.66	1.65E+01	1.19E+00	0.94	2.9	Yes	N/A
Note:							Resolution = Standard Activity Value / Standard Error			
							Resolution		Agreement Range	
							<4		No Comparison	
							4 - 7		0.4 - 2.0	
							8 - 15		0.6 - 1.66	
							16 - 50		0.75 - 1.33	
							51 - 200		0.80 - 1.25	
							> 200		0.85 - 1.18	

Prepared/Date: GSM 01/25/12

Checked/Date: HTD 01/25/12

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-003
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-003
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.674E+002 g
 Sample Taken On: 9/21/2011 12:45:00 PM
 Acquisition Started: 9/22/2011 12:12:01 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.87E+001	2.45E+000	9.09E-001
CO-60	U	2.58E-002	8.91E-002	1.47E-001
SB-125	UI	-1.96E-001	2.05E-001	2.47E-001
CS-137	U	4.13E-003	7.53E-002	1.14E-001
Ra-226		5.97E-001	9.83E-002	2.05E-001
TH-230	U	-1.14E+001	2.69E+001	3.08E+001
PA-231	UI	1.58E+000	1.79E+000	2.97E+000
Th-231	U	1.24E+000	8.83E-001	1.42E+000
Th-232		6.89E-001	7.81E-002	1.26E-001
PA-234M	U	-6.50E+000	1.32E+001	1.55E+001
U-234	U	2.63E+001	1.01E+002	1.35E+002
U-235	U	1.36E-002	9.57E-002	1.36E-001
U-238	U	7.25E-001	1.19E+000	1.84E+000
AM-241	U	3.87E-002	2.90E-001	3.80E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-004
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-004
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.664E+002 g
 Sample Taken On: 9/21/2011 12:50:00 PM
 Acquisition Started: 9/22/2011 12:30:06 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.66E+001	2.30E+000	9.49E-001
CO-60	U	5.04E-002	7.64E-002	1.43E-001
SB-125	U	4.77E-002	1.89E-001	2.86E-001
CS-137		4.57E-002	3.08E-002	7.55E-002
Ra-226		5.25E-001	1.13E-001	1.54E-001
TH-230	U	-1.06E+000	2.19E+001	2.81E+001
PA-231	U	-2.51E+000	2.65E+000	3.13E+000
Th-231	U	1.22E+000	8.01E-001	1.31E+000
Th-232		6.32E-001	1.25E-001	2.97E-001
PA-234M	U	3.03E+000	8.51E+000	1.44E+001
U-234	U	2.42E+001	1.02E+002	1.34E+002
U-235		6.91E-002	7.79E-002	1.25E-001
U-238	U	8.57E-001	1.04E+000	1.65E+000
AM-241	U	-4.34E-002	2.89E-001	3.66E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-005
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-005
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.325E+002 g
 Sample Taken On: 9/21/2011 12:55:00 PM
 Acquisition Started: 9/22/2011 12:48:04 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.85E+001	2.55E+000	1.43E+000
CO-60	U	4.52E-002	7.12E-002	1.33E-001
SB-125	U	-2.33E-002	2.22E-001	3.18E-001
CS-137		9.84E-002	5.81E-002	7.98E-002
Ra-226		5.99E-001	1.02E-001	1.86E-001
TH-230	U	8.32E-001	2.35E+001	2.99E+001
PA-231	U	-2.19E+000	2.90E+000	3.62E+000
Th-231	UI	1.90E+000	4.87E+000	9.05E-001
Th-232		7.56E-001	1.35E-001	3.56E-001
PA-234M	U	-2.97E+000	8.36E+000	1.65E+001
U-234	U	-9.84E-001	1.03E+002	1.34E+002
U-235	U	1.37E-001	9.10E-002	1.48E-001
U-238	U	1.83E+000	1.20E+000	1.95E+000
AM-241	U	3.77E-002	3.03E-001	3.95E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-006
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-006
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.694E+002 g
 Sample Taken On: 9/21/2011 1:00:00 PM
 Acquisition Started: 9/22/2011 1:08:02 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.86E+001	2.47E+000	1.14E+000
CO-60	U	-2.58E-002	8.60E-002	1.15E-001
SB-125	U	3.35E-002	1.66E-001	2.50E-001
CS-137	U	1.03E-002	9.47E-002	1.38E-001
Ra-226		5.40E-001	1.19E-001	2.35E-001
TH-230	U	-8.57E+000	2.23E+001	2.73E+001
PA-231	U	2.65E-001	2.50E+000	3.54E+000
Th-231	U	1.04E+000	7.75E-001	1.27E+000
Th-232		7.72E-001	1.32E-001	3.07E-001
PA-234M	U	-4.37E-001	9.17E+000	1.40E+001
U-234	U	-3.92E+000	1.01E+002	1.30E+002
U-235		9.43E-002	8.49E-002	1.35E-001
U-238		1.11E+000	1.18E+000	1.88E+000
AM-241	U	-2.51E-001	3.08E-001	3.46E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-007
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-007
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 9.730E+002 g
 Sample Taken On: 9/21/2011 1:05:00 PM
 Acquisition Started: 9/22/2011 1:26:51 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.69E+001	2.23E+000	1.05E+000
CO-60		3.54E-002	4.86E-002	8.22E-002
SB-125	U	-1.24E-001	1.20E-001	2.40E-001
CS-137	U	8.20E-003	8.19E-002	1.20E-001
Ra-226		6.31E-001	1.01E-001	1.81E-001
TH-230	U	-7.64E-001	2.26E+001	2.88E+001
PA-231	UI	8.82E-001	1.17E+000	1.97E+000
Th-231	U	1.14E+000	8.32E-001	1.33E+000
Th-232		7.76E-001	1.25E-001	1.36E-001
PA-234M	U	4.97E+000	6.92E+000	1.28E+001
U-234	U	-3.73E+000	9.65E+001	1.24E+002
U-235	UI	8.74E-002	7.92E-002	1.30E-001
U-238	U	4.13E-001	1.15E+000	1.74E+000
AM-241	U	9.43E-002	2.62E-001	3.49E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-008
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-008
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.532E+002 g
 Sample Taken On: 9/21/2011 1:10:00 PM
 Acquisition Started: 9/22/2011 1:47:04 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.72E+001	2.38E+000	1.13E+000
CO-60	U	5.39E-002	6.30E-002	1.31E-001
SB-125	U	-6.96E-002	1.82E-001	2.43E-001
CS-137		5.95E-002	4.31E-002	6.01E-002
Ra-226		5.25E-001	9.09E-002	1.73E-001
TH-230	U	2.49E+000	2.22E+001	2.90E+001
PA-231	U	-1.70E+000	2.42E+000	2.97E+000
Th-231	U	1.79E+000	8.49E-001	1.42E+000
Th-232		6.07E-001	8.01E-002	1.42E-001
PA-234M		3.86E+000	4.55E+000	7.30E+000
U-234	U	1.03E+002	9.02E+001	1.34E+002
U-235	U	7.36E-002	8.78E-002	1.35E-001
U-238	U	1.06E+000	1.13E+000	1.80E+000
AM-241	U	2.00E-001	2.33E-001	3.41E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-009
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-009
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 9.021E+002 g
 Sample Taken On: 9/21/2011 1:15:00 PM
 Acquisition Started: 9/22/2011 2:05:14 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.78E+001	2.37E+000	1.13E+000
CO-60	U	-4.43E-002	8.28E-002	1.02E-001
SB-125	U	-1.48E-002	1.82E-001	2.48E-001
CS-137	U	4.98E-002	7.60E-002	1.28E-001
Ra-226		6.60E-001	1.01E-001	1.81E-001
TH-230	U	-3.04E+000	2.18E+001	2.76E+001
PA-231	U	6.91E-001	2.20E+000	3.32E+000
Th-231	U	1.05E+000	8.47E-001	1.35E+000
Th-232		8.58E-001	1.11E-001	1.94E-001
PA-234M	U	2.32E+000	6.71E+000	1.19E+001
U-234	U	7.54E+001	1.07E+002	1.47E+002
U-235	UI	7.91E-002	7.02E-002	1.15E-001
U-238	U	1.61E+000	1.14E+000	1.84E+000
AM-241	U	0.00E+000	2.83E-001	3.65E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-010
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-010
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.175E+002 g
 Sample Taken On: 9/21/2011 1:20:00 PM
 Acquisition Started: 9/22/2011 2:31:48 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.74E+001	2.40E+000	7.36E-001
CO-60	U	4.13E-002	6.73E-002	1.31E-001
SB-125	U	-2.57E-002	1.82E-001	2.62E-001
CS-137	U	-2.51E-002	9.78E-002	1.37E-001
Ra-226		6.71E-001	1.03E-001	1.59E-001
TH-230	U	1.81E+001	2.28E+001	3.21E+001
PA-231	U	-8.82E-001	2.71E+000	3.66E+000
Th-231	U	1.01E+000	9.29E-001	1.47E+000
Th-232		7.66E-001	9.38E-002	1.76E-001
PA-234M	U	6.88E+000	9.62E+000	1.71E+001
U-234	U	4.41E+001	1.08E+002	1.45E+002
U-235	U	8.70E-002	9.26E-002	1.42E-001
U-238	U	2.18E+000	1.21E+000	1.99E+000
AM-241	U	4.79E-002	3.04E-001	3.91E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-011
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-011
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.146E+002 g
 Sample Taken On: 9/21/2011 1:25:00 PM
 Acquisition Started: 9/22/2011 2:50:01 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.52E+001	2.33E+000	1.44E+000
CO-60	U	7.17E-002	7.28E-002	1.52E-001
SB-125	U	2.77E-001	1.49E-001	3.05E-001
CS-137	U	9.71E-003	7.66E-002	1.19E-001
Ra-226		4.17E-001	9.58E-002	1.83E-001
TH-230	U	-2.77E+000	2.35E+001	2.98E+001
PA-231	U	-9.78E-001	2.57E+000	3.42E+000
Th-231		1.25E+000	1.23E+000	1.03E+000
Th-232		5.64E-001	9.48E-002	1.64E-001
PA-234M	U	8.97E+000	7.77E+000	1.61E+001
U-234	U	-7.70E+001	1.03E+002	1.17E+002
U-235	U	7.12E-002	9.33E-002	1.42E-001
U-238	U	1.20E-001	1.08E+000	1.59E+000
AM-241	U	1.42E-002	2.79E-001	3.64E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-012
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-012
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 9.110E+002 g
 Sample Taken On: 9/21/2011 1:30:00 PM
 Acquisition Started: 9/22/2011 3:08:19 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.82E+001	2.41E+000	1.24E+000
CO-60	U	1.40E-002	8.11E-002	1.31E-001
SB-125		2.23E-001	1.12E-001	2.72E-001
CS-137	U	1.37E-003	8.43E-002	1.22E-001
Ra-226		6.43E-001	9.77E-002	2.17E-001
TH-230	U	3.43E+000	2.32E+001	2.98E+001
PA-231	U	-6.80E-001	2.44E+000	3.36E+000
Th-231	U	1.67E+000	8.57E-001	1.41E+000
Th-232		8.16E-001	9.03E-002	1.42E-001
PA-234M	U	-4.15E+000	1.23E+001	1.60E+001
U-234	U	-5.76E+001	1.06E+002	1.26E+002
U-235	U	-5.23E-003	9.17E-002	1.28E-001
U-238	U	1.70E+000	1.08E+000	1.75E+000
AM-241	U	1.32E-001	2.43E-001	3.35E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-013
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-013
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 8.844E+002 g
 Sample Taken On: 9/21/2011 1:35:00 PM
 Acquisition Started: 9/22/2011 3:26:24 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.66E+001	2.33E+000	1.28E+000
CO-60	U	-4.30E-002	1.01E-001	1.29E-001
SB-125	U	1.43E-001	1.64E-001	2.81E-001
CS-137		5.08E-002	4.75E-002	7.45E-002
Ra-226		4.95E-001	9.88E-002	1.98E-001
TH-230	U	1.62E+001	2.23E+001	3.09E+001
PA-231	U	-1.95E+000	2.78E+000	3.58E+000
Th-231		9.01E-001	7.35E-001	1.07E+000
Th-232		7.76E-001	1.33E-001	1.56E-001
PA-234M	U	-1.99E+000	8.18E+000	1.12E+001
U-234	U	1.14E+002	9.17E+001	1.37E+002
U-235	U	2.47E-003	9.37E-002	1.32E-001
U-238	U	2.19E+000	1.12E+000	1.86E+000
AM-241	U	5.98E-002	2.64E-001	3.50E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-014
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-014
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 6.267E+002 g
 Sample Taken On: 9/21/2011 1:40:00 PM
 Acquisition Started: 9/22/2011 3:44:46 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		2.00E+001	2.94E+000	1.16E+000
CO-60	U	-4.99E-002	1.18E-001	1.60E-001
SB-125		3.33E-001	2.42E-001	3.20E-001
CS-137		2.20E-001	1.86E-001	9.31E-002
Ra-226		6.60E-001	1.30E-001	2.31E-001
TH-230	U	-1.07E+000	3.05E+001	3.90E+001
PA-231	U	-7.39E-001	3.28E+000	4.56E+000
Th-231	U	1.41E+000	1.07E+000	1.75E+000
Th-232		8.94E-001	1.31E-001	2.37E-001
PA-234M	U	4.09E+000	1.18E+001	1.99E+001
U-234	U	6.75E+001	1.38E+002	1.90E+002
U-235	U	1.39E-001	1.12E-001	1.80E-001
U-238	U	1.21E+000	1.40E+000	2.24E+000
AM-241	U	-8.38E-002	3.54E-001	4.42E-001

Uncertainty reported at 1.9600 sigma

 ***** C E R T I F I C A T E O F A N A L Y S I S *****

Site Location: CE Windsor
 Sample ID: FSS-23-08-014S
 Sample Title: CE-FSS-23-08
 Sample Description: FSS-23-08-014S
 Detector Name: 25%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP_R4.NLB
 Sample Size: 6.016E+002 g
 Sample Taken On: 9/21/2011 1:40:00 PM
 Acquisition Started: 9/22/2011 4:02:36 PM
 Live Time: 1000.0 seconds
 Real Time: 1000.3 seconds
 Dead Time: 0.03 %
 Efficiency ID: 1316-45_04-30-10

Nuclide Name	Qualifier	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)
K-40		1.74E+001	2.77E+000	9.58E-001
CO-60	U	3.75E-002	8.29E-002	1.53E-001
SB-125		1.03E+000	6.38E-001	3.45E-001
CS-137		2.59E-001	1.43E-001	2.16E-001
Ra-226		7.50E-001	1.15E-001	2.15E-001
TH-230	U	-3.18E+000	3.15E+001	3.80E+001
PA-231	U	-4.41E+000	3.76E+000	4.08E+000
Th-231	U	2.57E+000	1.08E+000	1.87E+000
Th-232		9.97E-001	1.88E-001	2.08E-001
PA-234M	U	7.77E+000	1.22E+001	2.18E+001
U-234	U	-9.13E+001	1.48E+002	1.69E+002
U-235	UI	8.14E-002	9.08E-002	1.51E-001
U-238	U	3.88E+000	1.40E+000	2.47E+000
AM-241	U	-2.13E-001	4.23E-001	4.73E-001

Uncertainty reported at 1.9600 sigma

QC Analysis Comparison

Table G-2

FSS Quality Control Accuracy and Precision Comparison										
Isotope	Sample ID CE-FSS- FSS-23-08-014				Sample ID CE-FSS- FSS-23-08-014S					
	Activity Value (pCi/g)	Uncert.	Resolution	Agreement Range	Activity Value (pCi/g)	Uncert.	Agreement Ratio (Accuracy)	% Deviation (Precision)	Acceptable	Comments
Ra-226	6.60E-01	6.63E-02	10	0.6 - 1.66	7.50E-01	5.85E-02	1.14	-6.4	Yes	N/A
K-40	2.00E+01	1.50E+00	13	0.6 - 1.66	1.74E+01	1.41E+00	0.87	7.0	Yes	N/A
Th-232	8.94E-01	6.68E-02	13	0.6 - 1.66	9.97E-01	9.58E-02	1.12	-5.5	Yes	N/A
Note:							Resolution = Standard Activity Value /Standard Error			
							Resolution			Agreement Range
							<4			No Comparison
							4 - 7			0.4 - 2.0
							8 - 15			0.6 - 1.66
							16 - 50			0.75 - 1.33
							51 - 200			0.80 - 1.25
							> 200			0.85 - 1.18

Prepared/Date: GSM 01/25/12

Checked/Date: HTD 01/25/12