

# FINAL STATUS SURVEY REPORT

SUBMITTAL NUMBER 6

CE WINDSOR SITE  
WINDSOR, CONNECTICUT

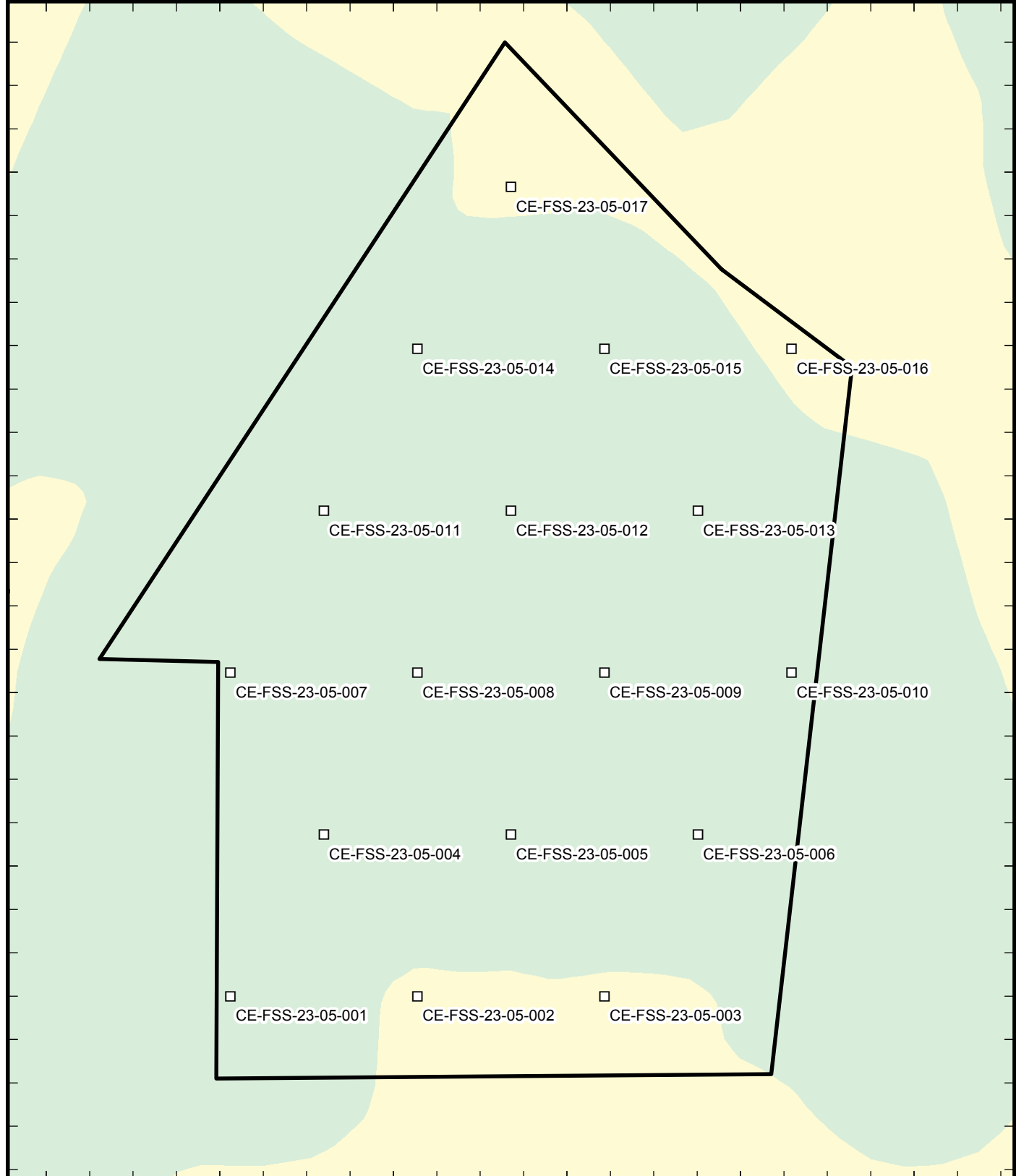
APPENDIX D

SURVEY UNIT CE-FSS-23-05  
RESULTS AND DATA EVALUATION

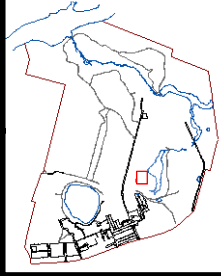


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CT State Plane NAD 83 Feet



**Legend**

Sample Location	Road
CE-FSS-23-05	Forest
	Open
	Water

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

**Sample Locations**  
**Survey Unit CE-FSS-23-05**

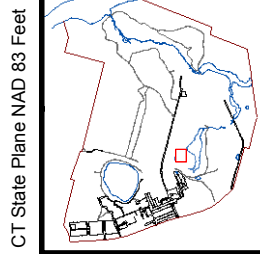
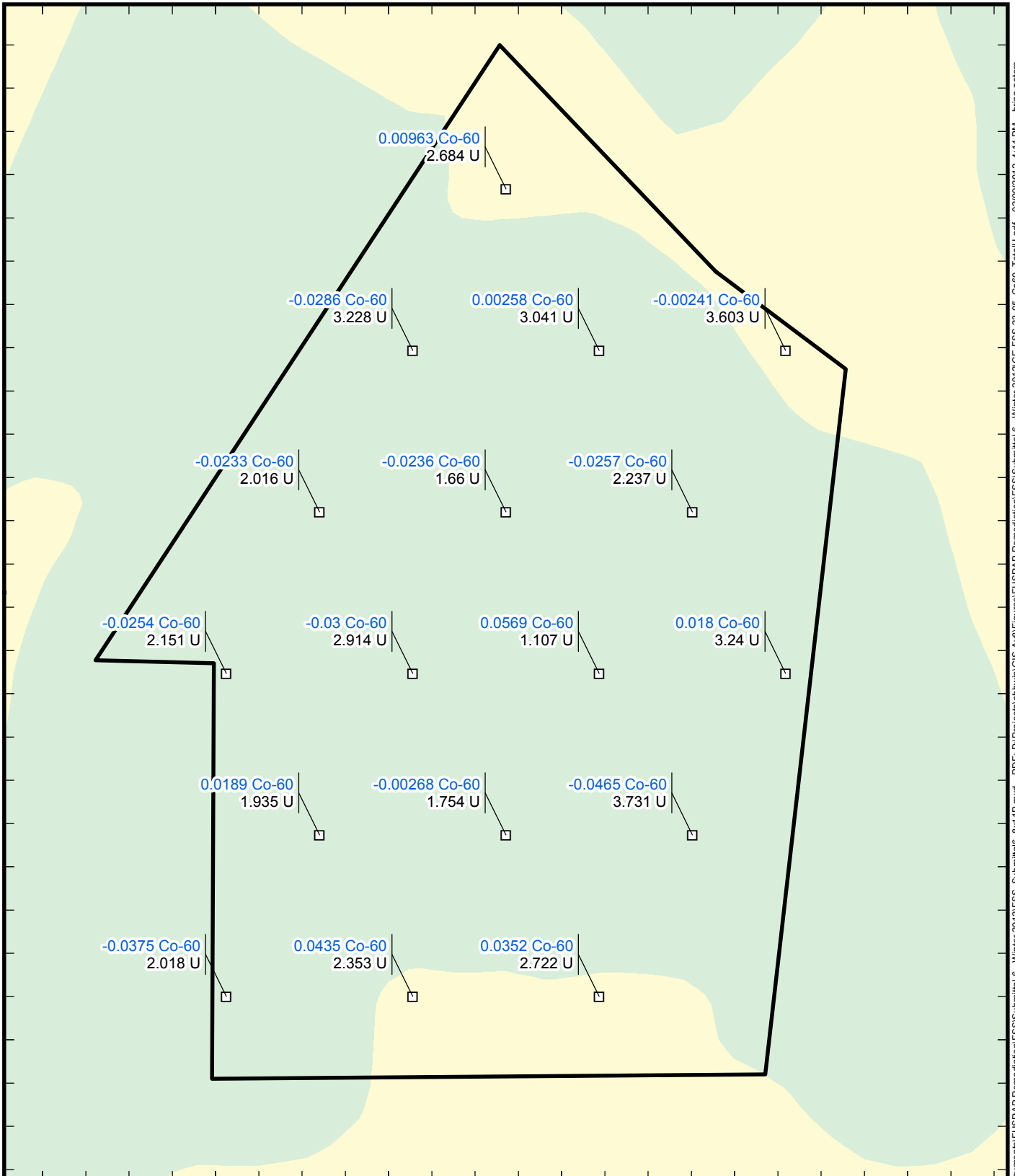
Final Status Survey  
CE Windsor Site  
Windsor, Connecticut



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**Legend**

- Ra-226 (pCi/g)
- Th-232 (pCi/g)
- Sample Location
- ▭ CE-FSS-23-05
- Road
- Forest
- Open
- Water

0 20 40 Feet

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

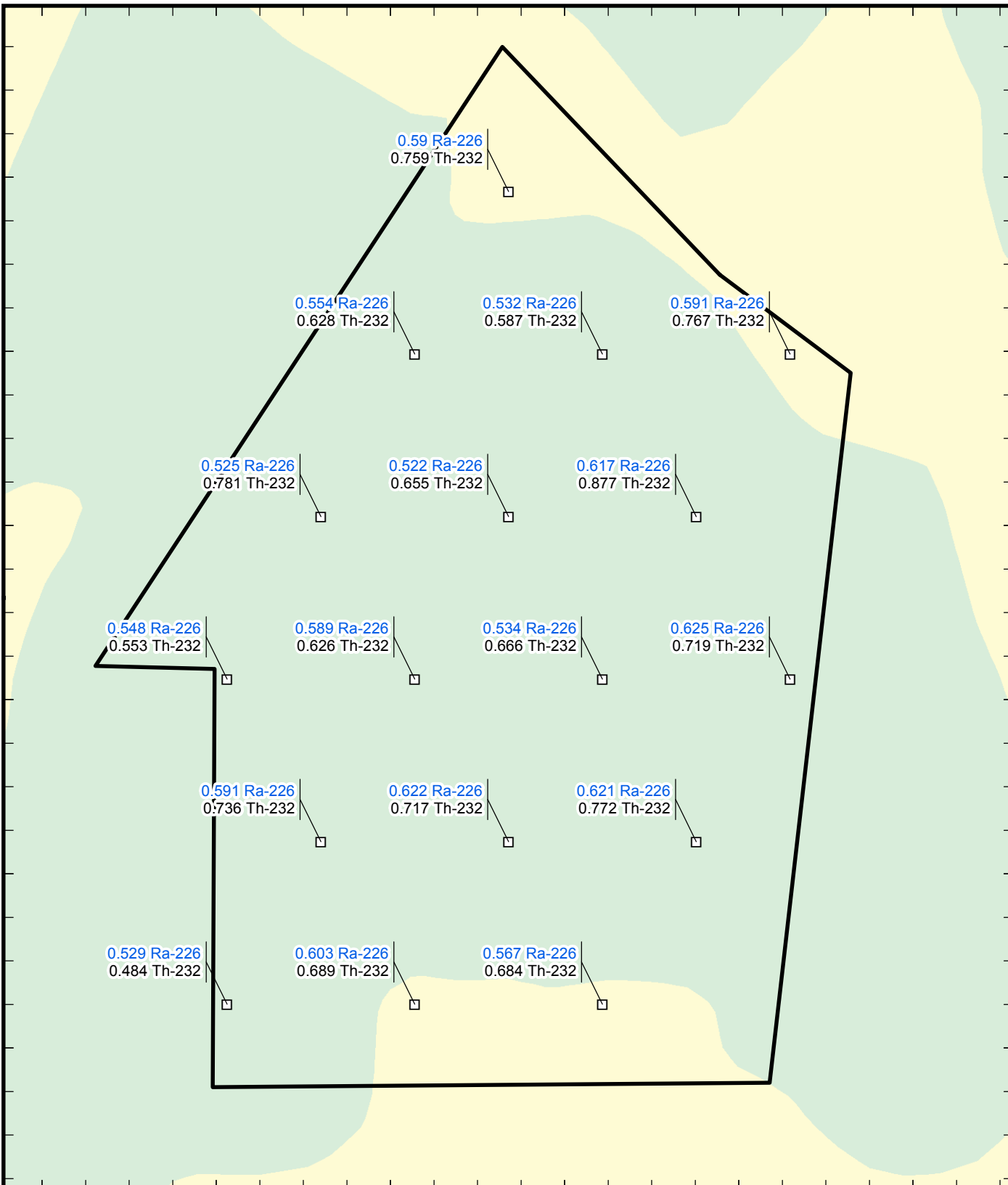
**Sample Results**  
Cobalt-60 and Total Uranium  
Survey Unit CE-FSS-23-05  
Final Status Survey  
CE Windsor Site  
Windsor, Connecticut



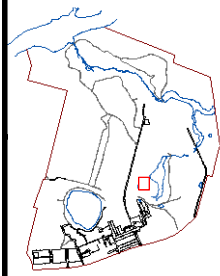
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CT State Plane NAD 83 Feet



**Legend**

Ra-226 (pCi/g)  
Th-232 (pCi/g)

□ Sample Location  
▭ CE-FSS-23-05

▭ Road  
▭ Forest  
▭ Open  
▭ Water

N  
0 20 40 Feet

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

**Sample Results**  
Radium-226 and Thorium-232  
Survey Unit CE-FSS-23-05  
Final Status Survey  
CE Windsor Site  
Windsor, Connecticut



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## Survey Unit CE-FSS-23-05

### 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-23-05-001	-3.75E-02	6.96E-02	8.67E-02	U	5.29E-01	8.12E-02	1.37E-01		4.84E-01	6.02E-02	1.10E-01		6.51E-02	5.87E-02	9.62E-02	UI	2.0	0.235
FSS-23-05-002	4.35E-02	4.30E-02	1.01E-01	U	6.03E-01	1.21E-01	1.63E-01		6.89E-01	9.74E-02	1.73E-01		7.59E-02	6.58E-02	1.08E-01	UI	2.4	0.319
FSS-23-05-003	3.52E-02	7.27E-02	1.26E-01	U	5.67E-01	9.07E-02	1.61E-01		6.84E-01	9.52E-02	1.94E-01		8.78E-02	7.41E-02	1.17E-01		2.7	0.309
FSS-23-05-004	1.89E-02	7.01E-02	1.19E-01	U	5.91E-01	9.59E-02	1.77E-01		7.36E-01	1.14E-01	1.36E-01		6.24E-02	7.98E-02	1.22E-01	U	1.9	0.323
FSS-23-05-005	4.44E-03	7.71E-02	1.15E-01	U	6.66E-01	1.03E-01	1.94E-01		7.30E-01	1.01E-01	1.77E-01		2.50E-02	8.14E-02	1.18E-01	U	0.8	0.333
FSS-23-05-005S	-9.80E-03	8.34E-02	1.23E-01	U	5.78E-01	1.01E-01	1.71E-01		7.03E-01	1.02E-01	2.10E-01		8.82E-02	6.74E-02	1.09E-01	UI	2.7	0.307
FSS-23-05-005S-AVE	-2.68E-03				6.22E-01				7.17E-01				5.66E-02				1.8	0.320
FSS-23-05-006	-4.65E-02	9.41E-02	1.18E-01	U	6.21E-01	8.99E-02	1.43E-01		7.72E-01	7.84E-02	1.24E-01		1.20E-01	7.36E-02	1.20E-01	U	3.7	0.328
FSS-23-05-007	-2.54E-02	7.95E-02	9.50E-02	U	5.48E-01	9.25E-02	1.79E-01		5.53E-01	6.10E-02	1.51E-01		6.94E-02	8.88E-02	1.32E-01	U	2.2	0.259
FSS-23-05-008	-3.00E-02	8.85E-02	1.17E-01	U	5.89E-01	9.50E-02	1.52E-01		6.26E-01	5.77E-02	1.63E-01		9.40E-02	7.15E-02	1.14E-01	U	2.9	0.287
FSS-23-05-009	5.69E-02	7.06E-02	1.32E-01	U	5.34E-01	9.88E-02	1.78E-01		6.66E-01	1.18E-01	2.66E-01		3.57E-02	7.73E-02	1.14E-01	U	1.1	0.299
FSS-23-05-010	2.48E-02	7.20E-02	1.19E-01	U	6.70E-01	9.81E-02	1.52E-01		7.72E-01	1.15E-01	1.12E-01		1.45E-01	7.38E-02	1.10E-01		4.5	0.355
FSS-23-05-010LR	1.11E-02	6.12E-02	1.01E-01	U	5.81E-01	8.62E-02	1.57E-01		6.66E-01	1.22E-01	1.34E-01		6.43E-02	7.88E-02	1.18E-01	U	2.0	0.301
FSS-23-05-010LR-AVE	1.80E-02				6.25E-01				7.19E-01				1.05E-01				3.2	0.328
FSS-23-05-011	-2.33E-02	8.31E-02	9.85E-02	U	5.25E-01	1.01E-01	1.67E-01		7.81E-01	1.13E-01	1.69E-01		6.50E-02	7.45E-02	1.15E-01	U	2.0	0.311
FSS-23-05-012	-2.36E-02	7.41E-02	1.05E-01	U	5.22E-01	8.99E-02	1.84E-01		6.55E-01	9.20E-02	1.50E-01		5.35E-02	6.04E-02	1.01E-01	UI	1.7	0.278
FSS-23-05-013	-2.57E-02	8.27E-02	1.09E-01	U	6.17E-01	1.05E-01	1.80E-01		8.77E-01	1.45E-01	1.40E-01		7.22E-02	5.57E-02	8.96E-02	UI	2.2	0.355
FSS-23-05-014	-2.86E-02	7.82E-02	1.06E-01	U	5.54E-01	1.05E-01	2.44E-01		6.28E-01	9.76E-02	1.83E-01		1.04E-01	8.36E-02	1.32E-01	U	3.2	0.280
FSS-23-05-015	2.58E-03	7.36E-02	1.03E-01	U	5.32E-01	9.75E-02	1.54E-01		5.87E-01	1.02E-01	1.78E-01		9.81E-02	7.38E-02	1.17E-01	U	3.0	0.271
FSS-23-05-016	-2.41E-03	7.85E-02	1.13E-01	U	5.91E-01	9.20E-02	1.75E-01		7.67E-01	1.11E-01	1.98E-01		1.16E-01	7.40E-02	1.19E-01	U	3.6	0.329
FSS-23-05-017	9.63E-03	7.41E-02	1.09E-01	U	5.90E-01	1.14E-01	2.00E-01		7.59E-01	9.38E-02	1.44E-01		8.66E-02	8.13E-02	1.26E-01	U	2.7	0.328

AVE=Average      LR=Laboratory Replicate      S=Split

## Survey Unit CE-FSS-23-05

### One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
CE-FSS-23-05-001	2646	2400	246	0.8
CE-FSS-23-05-002	2987	2400	587	2.0
CE-FSS-23-05-003	3029	2400	629	2.1
CE-FSS-23-05-004	2925	2400	525	1.7
CE-FSS-23-05-005	2829	2400	429	1.4
CE-FSS-23-05-006	2959	2400	559	1.9
CE-FSS-23-05-007	2735	2400	335	1.1
CE-FSS-23-05-008	2742	2400	342	1.1
CE-FSS-23-05-009	2751	2400	351	1.2
CE-FSS-23-05-010	2857	2400	457	1.5
CE-FSS-23-05-011	2858	2400	458	1.5
CE-FSS-23-05-012	2767	2400	367	1.2
CE-FSS-23-05-013	2889	2400	489	1.6
CE-FSS-23-05-014	2758	2400	358	1.2
CE-FSS-23-05-015	3036	2400	636	2.1
CE-FSS-23-05-016	3116	2400	716	2.4
CE-FSS-23-05-017	3016	2400	616	2.0

## Survey Unit CE-FSS-23-05

### Final Status Survey Sample GPS Coordinates

<b>Sample ID</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>
CE-FSS-23-05-001	1009303.07	882262.56
CE-FSS-23-05-002	1009356.96	882262.56
CE-FSS-23-05-003	1009410.84	882262.56
CE-FSS-23-05-004	1009330.01	882309.23
CE-FSS-23-05-005	1009383.90	882309.23
CE-FSS-23-05-006	1009437.79	882309.23
CE-FSS-23-05-007	1009303.07	882355.89
CE-FSS-23-05-008	1009356.96	882355.89
CE-FSS-23-05-009	1009410.84	882355.89
CE-FSS-23-05-010	1009464.73	882355.89
CE-FSS-23-05-011	1009330.01	882402.56
CE-FSS-23-05-012	1009383.90	882402.56
CE-FSS-23-05-013	1009437.79	882402.56
CE-FSS-23-05-014	1009356.96	882449.23
CE-FSS-23-05-015	1009410.84	882449.23
CE-FSS-23-05-016	1009464.73	882449.23
CE-FSS-23-05-017	1009383.90	882495.89



## Descriptive Statistics Report

### Summary Section of SU\_23\_05\_Co\_60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
17	-3.587059E-03	3.024454E-02	7.335378E-03	-0.0465	0.0569	0.1034

### Counts Section of SU\_23\_05\_Co\_60

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	17	12	17	-0.06098	1.485445E-02	1.463571E-02

### Means Section of SU\_23\_05\_Co\_60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	-3.587059E-03	-0.00268	1.848128E-02	-4.258117E-02	-0.06098	
Std Error	7.335378E-03				0.1247014	
95% LCL	-1.913737E-02	-0.0257			-0.3253352	
95% UCL	1.196325E-02	0.018			0.2033752	
T-Value	-0.4890					
Prob Level	0.631472					
Count	17		7	17		

### Variation Section of SU\_23\_05\_Co\_60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	9.147322E-04	3.024454E-02	3.072051E-02	7.335378E-03	0.0456	0.1034
Std Error	2.40757E-04	5.628815E-03		1.365188E-03		
95% LCL	5.073856E-04	2.252522E-02		5.463168E-03		
95% UCL	2.118765E-03	4.603004E-02		1.116392E-02		

### Skewness and Kurtosis Section of SU\_23\_05\_Co\_60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.5101169	2.177657	0.5608709	-0.6706412	-8.431571	-9.282265
Std Error	0.3737487	0.5725307			17.27675	

### Trimmed Section of SU\_23\_05\_Co\_60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	-4.563399E-03	-5.557353E-03	-6.742857E-03	-8.347647E-03	-9.842843E-03	-6.869706E-03
Trim-Std Dev	2.637274E-02	2.310366E-02	2.017941E-02	1.634403E-02	1.270966E-02	1.303834E-02
Count	15.3	13.6	11.9	8.5	5.1	1.7

### Mean-Deviation Section of SU\_23\_05\_Co\_60

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.492983E-02	2.487647E-02	8.609244E-04	1.288598E-05	1.61406E-06
Std Error	4.405718E-03		2.265949E-04	9.353516E-06	6.527374E-07

## Descriptive Statistics Report

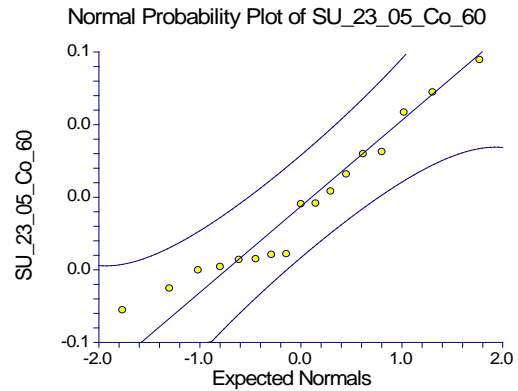
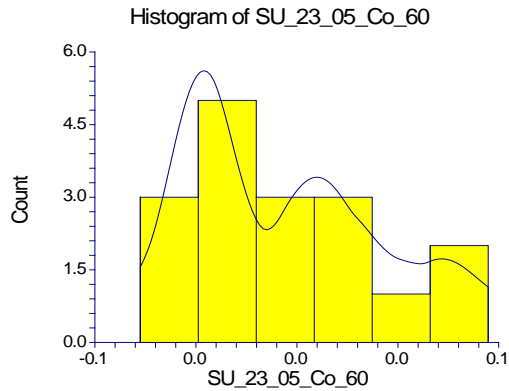
### Quartile Section of SU\_23\_05\_Co\_60

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	-0.0393	-0.02715	-0.00268	0.01845	0.04618
95% LCL		-0.0465	-0.0257	-0.00268	
95% UCL		-0.0233	0.018	0.0569	

### Normality Test Section of SU\_23\_05\_Co\_60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9365082	0.279079			Accept Normality
Anderson-Darling	0.4680975	0.249657			Accept Normality
Martinez-Iglewicz	0.9806394		1.252524	1.438767	Accept Normality
Kolmogorov-Smirnov	0.2133183		0.19	0.207	Reject Normality
D'Agostino Skewness	1.0592	0.289500	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.5847	0.558748	1.645	1.960	Accept Normality
D'Agostino Omnibus	1.4638	0.480989	4.605	5.991	Accept Normality

### Plots Section of SU\_23\_05\_Co\_60



## Descriptive Statistics Report

### Percentile Section of SU\_23\_05\_Co\_60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.0569			
95.0	0.0569			
90.0	0.04618			
85.0	0.03769			
80.0	0.02542	-0.00241	0.0569	96.6548
75.0	0.01845	-0.00268	0.0569	98.0098
70.0	0.014652	-0.0233	0.0435	96.8032
65.0	0.007515	-0.0236	0.0352	95.5248
60.0	0.001582	-0.0236	0.0352	95.2868
55.0	-0.002437	-0.0254	0.0189	95.1454
50.0	-0.00268	-0.0257	0.018	95.0958
45.0	-0.021238	-0.0286	0.00963	95.1454
40.0	-0.02354	-0.03	0.00258	95.2868
35.0	-0.02486	-0.0375	-0.00241	95.4972
30.0	-0.02558	-0.0375	-0.00241	96.8032
25.0	-0.02715	-0.0465	-0.0233	95.2246
20.0	-0.02916	-0.0465	-0.0233	96.6548
15.0	-0.03225			
10.0	-0.0393			
5.0	-0.0465			
1.0	-0.0465			

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

### Stem-Leaf Plot Section of SU\_23\_05\_Co\_60

Depth	Stem	Leaves
1	-4	6
3	-3	70
8	-2	85533
8	-1	
(2)	-0	22
7	0	29
5	1	88
3	2	
3	3	5
2	4	3
1	5	6

Unit = .001    Example: 1 |2 Represents 0.012

## Descriptive Statistics Report

### Summary Section of SU\_23\_05\_Total\_U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
17	2.488235	0.718403	0.1742383	1.1	3.7	2.6

### Counts Section of SU\_23\_05\_Total\_U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	17	12	13	42.3	113.51	8.257648

### Means Section of SU\_23\_05\_Total\_U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.488235	2.4	2.382653	2.267602	42.3	
Std Error	0.1742383				2.962052	
95% LCL	2.118866	2			36.02073	
95% UCL	2.857604	3			48.57927	
T-Value	14.2806					
Prob Level	0.000000					
Count	17		17	17		

### Variation Section of SU\_23\_05\_Total\_U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.516103	0.718403	0.7297089	0.1742383	1.15	2.6
Std Error	0.1377718	0.1356055		3.288916E-02		
95% LCL	0.2862731	0.5350449		0.1297674		
95% UCL	1.195433	1.093358		0.2651784		

### Skewness and Kurtosis Section of SU\_23\_05\_Total\_U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.110685E-02	2.211427	2.320688E-02	-0.624329	0.2887199	0.247549
Std Error	0.374732	0.3571455			4.290418E-02	

### Trimmed Section of SU\_23\_05\_Total\_U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.498039	2.484559	2.47479	2.452941	2.440196	2.420588
Trim-Std Dev	0.6127971	0.5316758	0.4753982	0.3716946	0.2576914	0.2529241
Count	15.3	13.6	11.9	8.5	5.1	1.7

### Mean-Deviation Section of SU\_23\_05\_Total\_U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.599308	0.5941176	0.4857439	7.145532E-03	0.5217799
Std Error	0.1046497		0.1296676	0.1260713	0.2394602

## Descriptive Statistics Report

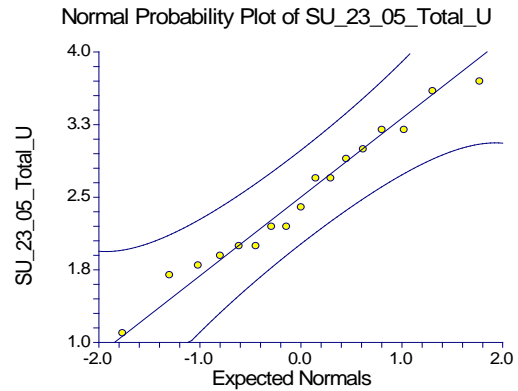
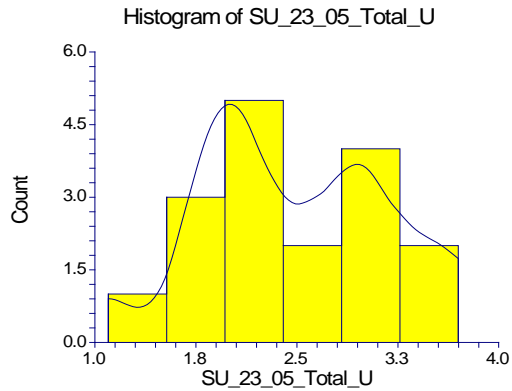
### Quartile Section of SU\_23\_05\_Total\_U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1.58	1.95	2.4	3.1	3.62
95% LCL		1.1	2	2.4	
95% UCL		2.2	3	3.7	

### Normality Test Section of SU\_23\_05\_Total\_U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9726321	0.862708			Accept Normality
Anderson-Darling	0.2231693	0.826648			Accept Normality
Martinez-Iglewicz	0.9792957		1.252524	1.438767	Accept Normality
Kolmogorov-Smirnov	0.1264579		0.19	0.207	Accept Normality
D'Agostino Skewness	0.0448	0.964282	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.5184	0.604214	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.2707	0.873413	4.605	5.991	Accept Normality

### Plots Section of SU\_23\_05\_Total\_U



## Descriptive Statistics Report

### Percentile Section of SU\_23\_05\_Total\_U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	3.7			
95.0	3.7			
90.0	3.62			
85.0	3.32			
80.0	3.2	2.7	3.7	96.6548
75.0	3.1	2.4	3.7	98.0098
70.0	2.96	2.2	3.6	96.8032
65.0	2.84	2.2	3.2	95.5248
60.0	2.7	2.2	3.2	95.2868
55.0	2.67	2	3.2	95.1454
50.0	2.4	2	3	95.0958
45.0	2.22	1.9	2.9	95.1454
40.0	2.2	1.8	2.7	95.2868
35.0	2.06	1.7	2.7	95.4972
30.0	2	1.7	2.7	96.8032
25.0	1.95	1.1	2.2	95.2246
20.0	1.86	1.1	2.2	96.6548
15.0	1.77			
10.0	1.58			
5.0	1.1			
1.0	1.1			

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

### Stem-Leaf Plot Section of SU\_23\_05\_Total\_U

Depth	Stem	Leaves
1	1*	1
4	.	789
(5)	2*	00224
8	.	779
5	3*	022
2	.	67

Unit = .1 Example: 1 |2 Represents 1.2

## Descriptive Statistics Report

### Summary Section of SU\_23\_05\_Ra\_226

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
17	0.5741177	0.0374848	0.0090914	0.522	0.625	0.103

### Counts Section of SU\_23\_05\_Ra\_226

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	17	12	16	9.76	5.62587	2.248177E-02

### Means Section of SU\_23\_05\_Ra\_226

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.5741177	0.589	0.5729604	0.5718	9.76	0.591
Std Error	0.0090914				0.1545538	
95% LCL	0.5548447	0.534			9.432361	
95% UCL	0.5933905	0.603			10.08764	
T-Value	63.1495					
Prob Level	0.000000					
Count	17		17	17		2

### Variation Section of SU\_23\_05\_Ra\_226

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.40511E-03	0.0374848	3.807471E-02	0.0090914	0.077	0.103
Std Error	2.43049E-04	4.584834E-03		1.111986E-03		
95% LCL	7.793895E-04	2.791755E-02		0.006771		
95% UCL	3.254612E-03	0.0570492		1.383646E-02		

### Skewness and Kurtosis Section of SU\_23\_05\_Ra\_226

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-6.490605E-02	1.508646	-7.136386E-02	-1.588142	6.529115E-02	5.482872E-02
Std Error	0.3842071	0.2055185			5.824446E-03	

### Trimmed Section of SU\_23\_05\_Ra\_226

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.5741863	0.574272	0.5742437	0.5744412	0.5780294	0.5846764
Trim-Std Dev	3.545136E-02	3.319315E-02	3.050431E-02	2.313178E-02	1.699674E-02	1.403934E-02
Count	15.3	13.6	11.9	8.5	5.1	1.7

### Mean-Deviation Section of SU\_23\_05\_Ra\_226

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	3.316955E-02	3.229412E-02	1.322457E-03	-3.121457E-06	2.638459E-06
Std Error	5.460406E-03		2.28752E-04	1.835283E-05	6.234395E-07

## Descriptive Statistics Report

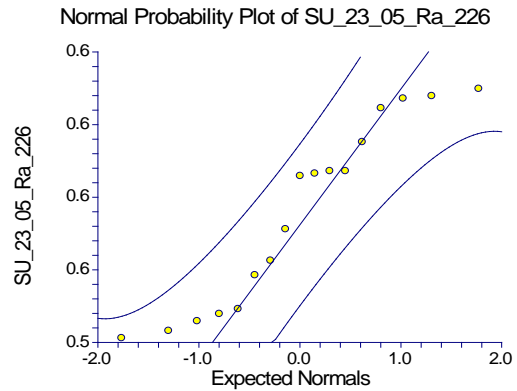
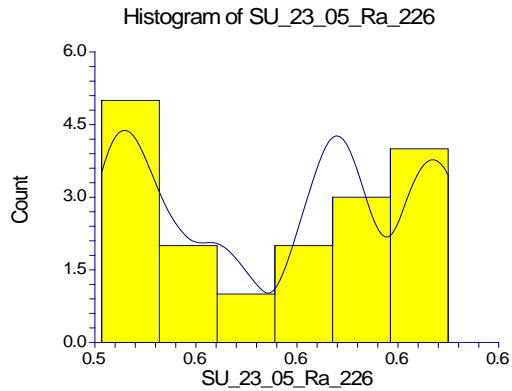
### Quartile Section of SU\_23\_05\_Ra\_226

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.5244	0.533	0.589	0.61	0.6226
95% LCL		0.522	0.534	0.589	
95% UCL		0.567	0.603	0.625	

### Normality Test Section of SU\_23\_05\_Ra\_226

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8964434	0.059247			Accept Normality
Anderson-Darling	0.623669	0.104393			Accept Normality
Martinez-Iglewicz	0.9825127		1.252524	1.438767	Accept Normality
Kolmogorov-Smirnov	0.1518615		0.19	0.207	Accept Normality
D'Agostino Skewness	-0.1377	0.890507	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-2.4675	0.013607	1.645	1.960	Reject Normality
D'Agostino Omnibus	6.1074	0.047185	4.605	5.991	Reject Normality

### Plots Section of SU\_23\_05\_Ra\_226





## Descriptive Statistics Report

### Percentile Section of SU\_23\_05\_Ra\_226

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.625			
95.0	0.625			
90.0	0.6226			
85.0	0.6213			
80.0	0.6186	0.59	0.625	96.6548
75.0	0.61	0.589	0.625	98.0098
70.0	0.5982	0.567	0.622	96.8032
65.0	0.591	0.554	0.621	95.5248
60.0	0.5908	0.554	0.621	95.2868
55.0	0.5899	0.548	0.617	95.1454
50.0	0.589	0.534	0.603	95.0958
45.0	0.5692	0.532	0.591	95.1454
40.0	0.5566	0.529	0.591	95.2868
35.0	0.5498	0.525	0.59	95.4972
30.0	0.5396	0.525	0.59	96.8032
25.0	0.533	0.522	0.567	95.2246
20.0	0.5308	0.522	0.567	96.6548
15.0	0.5278			
10.0	0.5244			
5.0	0.522			
1.0	0.522			

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

### Stem-Leaf Plot Section of SU\_23\_05\_Ra\_226

Depth	Stem	Leaves
3	52	259
5	53	24
6	54	8
7	55	4
8	56	7
8	57	
(1)	58	9
8	59	011
5	60	3
4	61	7
3	62	125

Unit = .001    Example: 1 |2 Represents 0.012

## Descriptive Statistics Report

### Summary Section of SU\_23\_05\_Th\_232

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
17	0.6882353	9.548856E-02	2.315938E-02	0.484	0.877	0.393

### Counts Section of SU\_23\_05\_Th\_232

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	17	12	17	11.7	8.198242	0.1458891

### Means Section of SU\_23\_05\_Th\_232

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.6882353	0.689	0.6817073	0.6748464	11.7	
Std Error	2.315938E-02				0.3937095	
95% LCL	0.6391396	0.628			10.86537	
95% UCL	0.737331	0.759			12.53463	
T-Value	29.7173					
Prob Level	0.000000					
Count	17		17	17		

### Variation Section of SU\_23\_05\_Th\_232

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	9.118066E-03	9.548856E-02	9.699131E-02	2.315938E-02	0.136	0.393
Std Error	3.074807E-03	2.276939E-02		5.522389E-03		
95% LCL	5.057628E-03	7.111701E-02		1.724841E-02		
95% UCL	2.111988E-02	0.1453268		3.524693E-02		

### Skewness and Kurtosis Section of SU\_23\_05\_Th\_232

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.253074	2.93321	-0.2782536	0.3655452	0.1387441	0.1062922
Std Error	0.4288334	0.6541805			2.462427E-02	

### Trimmed Section of SU\_23\_05\_Th\_232

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.6890948	0.6915588	0.6939118	0.6948529	0.6950098	0.6937353
Trim-Std Dev	7.485894E-02	6.272196E-02	5.398926E-02	3.962754E-02	0.0232801	1.870947E-02
Count	15.3	13.6	11.9	8.5	5.1	1.7

### Mean-Deviation Section of SU\_23\_05\_Th\_232

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	7.328027E-02	0.0732353	8.581709E-03	-2.011909E-04	2.160184E-04
Std Error	1.390981E-02		2.893936E-03	3.399393E-04	1.149805E-04

## Descriptive Statistics Report

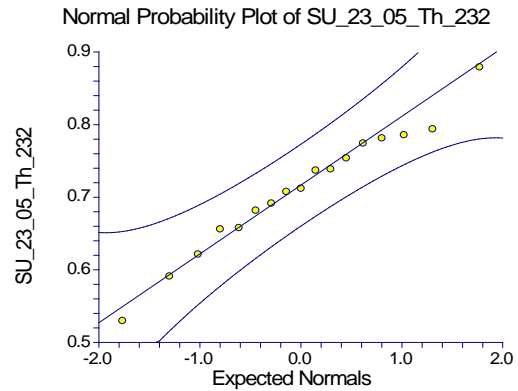
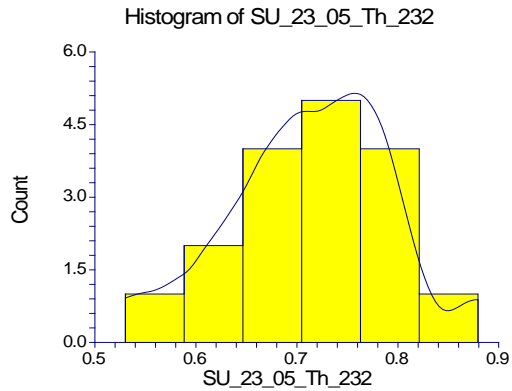
### Quartile Section of SU\_23\_05\_Th\_232

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.5392	0.627	0.689	0.763	0.8002
95% LCL		0.484	0.628	0.689	
95% UCL		0.684	0.759	0.877	

### Normality Test Section of SU\_23\_05\_Th\_232

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9837798	0.983650			Accept Normality
Anderson-Darling	0.1807229	0.914981			Accept Normality
Martinez-Iglewicz	1.048524		1.252524	1.438767	Accept Normality
Kolmogorov-Smirnov	0.1068325		0.19	0.207	Accept Normality
D'Agostino Skewness	-0.5340	0.593336	1.645	1.960	Accept Normality
D'Agostino Kurtosis	0.5747	0.565522	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.6154	0.735137	4.605	5.991	Accept Normality

### Plots Section of SU\_23\_05\_Th\_232



## Descriptive Statistics Report

### Percentile Section of SU\_23\_05\_Th\_232

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.877			
95.0	0.877			
90.0	0.8002			
85.0	0.7747			
80.0	0.769	0.717	0.877	96.6548
75.0	0.763	0.689	0.877	98.0098
70.0	0.7498	0.684	0.781	96.8032
65.0	0.7309	0.666	0.772	95.5248
60.0	0.7186	0.666	0.772	95.2868
55.0	0.7142	0.655	0.767	95.1454
50.0	0.689	0.628	0.759	95.0958
45.0	0.6845	0.626	0.736	95.1454
40.0	0.6696	0.587	0.719	95.2868
35.0	0.6583	0.553	0.717	95.4972
30.0	0.6388	0.553	0.717	96.8032
25.0	0.627	0.484	0.684	95.2246
20.0	0.6104	0.484	0.684	96.6548
15.0	0.5768			
10.0	0.5392			
5.0	0.484			
1.0	0.484			

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

### Stem-Leaf Plot Section of SU\_23\_05\_Th\_232

Depth	Stem	Leaves
1	4.	8
1	5*	
3	.	58
5	6*	22
(4)	.	5688
8	7*	113
5	.	5678
1	8*	
1	.	7

Unit = .01    Example: 1 |2 Represents 0.12

## Descriptive Statistics Report

### Summary Section of SU\_23\_05\_SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
17	0.3034706	3.092959E-02	7.501528E-03	0.235	0.355	0.12

### Counts Section of SU\_23\_05\_SOF

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
29	17	12	15	5.159	1.580911	1.530624E-02

### Means Section of SU\_23\_05\_SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.3034706	0.311	0.3019134	0.3002795	5.159	0.328
Std Error	7.501528E-03				0.127526	
95% LCL	0.2875681	0.28			4.888657	
95% UCL	0.3193731	0.328			5.429343	
T-Value	40.4545					
Prob Level	0.000000					
Count	17		17	17		3

### Variation Section of SU\_23\_05\_SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	9.566397E-04	3.092959E-02	3.141635E-02	7.501528E-03	0.049	0.12
Std Error	2.988454E-04	6.832151E-03		1.65704E-03		
95% LCL	5.306309E-04	2.303543E-02		5.586912E-03		
95% UCL	2.215834E-03	4.707264E-02		1.141679E-02		

### Skewness and Kurtosis Section of SU\_23\_05\_SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.5729625	2.658996	-0.6299693	-1.051963E-02	0.1019196	7.792699E-02
Std Error	0.4209251	0.7111305			1.714692E-02	

### Trimmed Section of SU\_23\_05\_SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.3044118	0.3056912	0.3068529	0.3087059	0.3114706	0.3122353
Trim-Std Dev	2.515783E-02	2.192176E-02	1.983046E-02	1.594058E-02	8.942507E-03	5.504009E-03
Count	15.3	13.6	11.9	8.5	5.1	1.7

### Mean-Deviation Section of SU\_23\_05\_SOF

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.532872E-02	2.423529E-02	9.003668E-04	-1.547945E-05	2.155543E-06
Std Error	4.50551E-03		2.812663E-04	1.202553E-05	1.124479E-06

## Descriptive Statistics Report

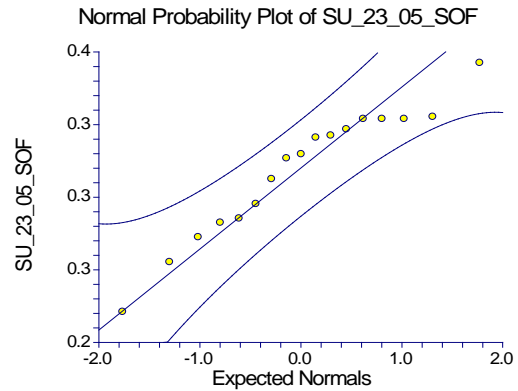
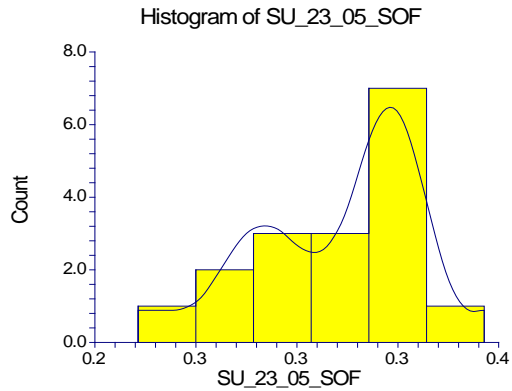
### Quartile Section of SU\_23\_05\_SOF

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.2542	0.279	0.311	0.328	0.3342
95% LCL		0.235	0.28	0.311	
95% UCL		0.309	0.328	0.355	

### Normality Test Section of SU\_23\_05\_SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9428601	0.353689			Accept Normality
Anderson-Darling	0.4862565	0.225534			Accept Normality
Martinez-Iglewicz	1.06799		1.252524	1.438767	Accept Normality
Kolmogorov-Smirnov	0.1457476		0.19	0.207	Accept Normality
D'Agostino Skewness	-1.1834	0.236654	1.645	1.960	Accept Normality
D'Agostino Kurtosis	0.2193	0.826447	1.645	1.960	Accept Normality
D'Agostino Omnibus	1.4485	0.484691	4.605	5.991	Accept Normality

### Plots Section of SU\_23\_05\_SOF



## Descriptive Statistics Report

### Percentile Section of SU\_23\_05\_SOF

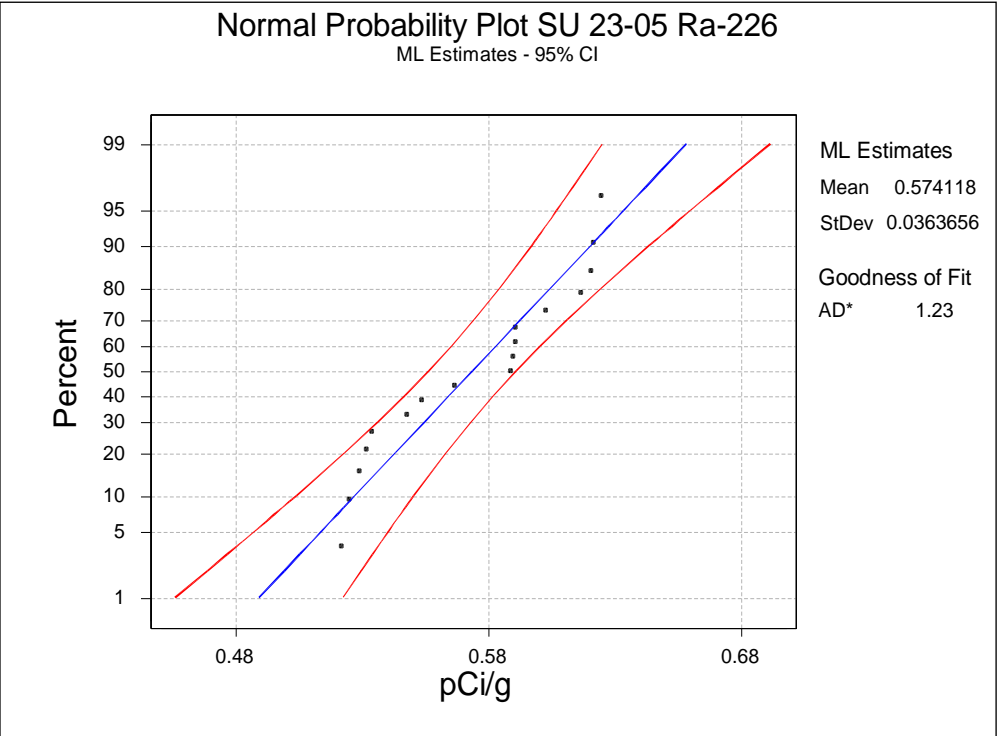
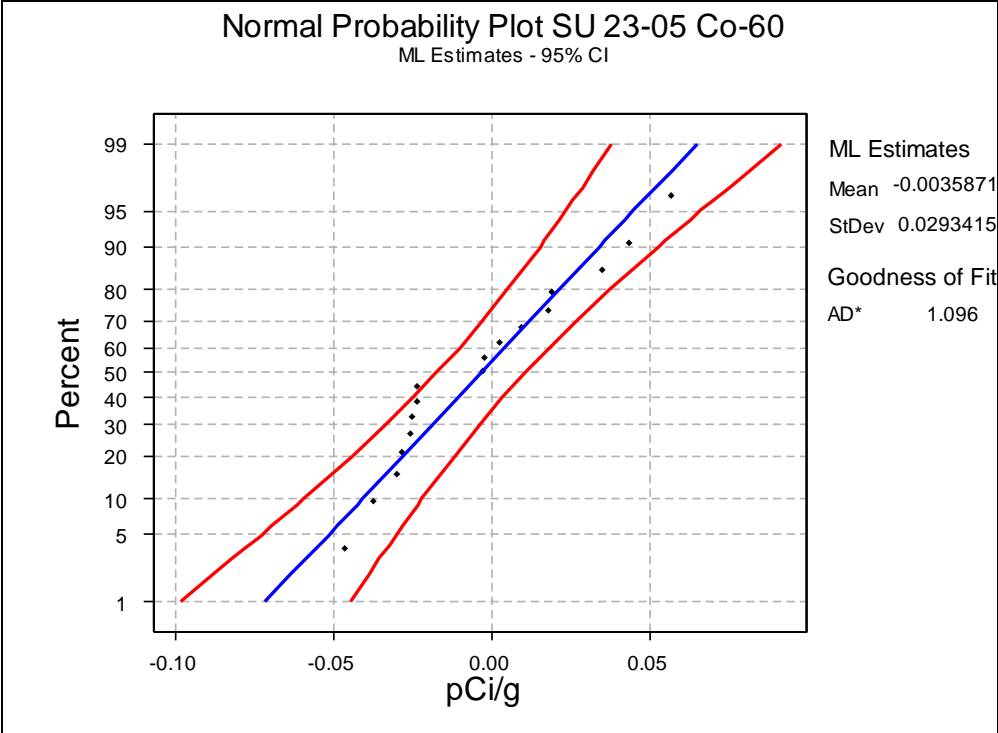
Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.355			
95.0	0.355			
90.0	0.3342			
85.0	0.3283			
80.0	0.328	0.319	0.355	96.6548
75.0	0.328	0.311	0.355	98.0098
70.0	0.326	0.309	0.329	96.8032
65.0	0.3221	0.299	0.328	95.5248
60.0	0.3198	0.299	0.328	95.2868
55.0	0.3182	0.287	0.328	95.1454
50.0	0.311	0.28	0.328	95.0958
45.0	0.3092	0.278	0.323	95.1454
40.0	0.301	0.271	0.32	95.2868
35.0	0.2906	0.259	0.319	95.4972
30.0	0.2828	0.259	0.319	96.8032
25.0	0.279	0.235	0.309	95.2246
20.0	0.2752	0.235	0.309	96.6548
15.0	0.2674			
10.0	0.2542			
5.0	0.235			
1.0	0.235			

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

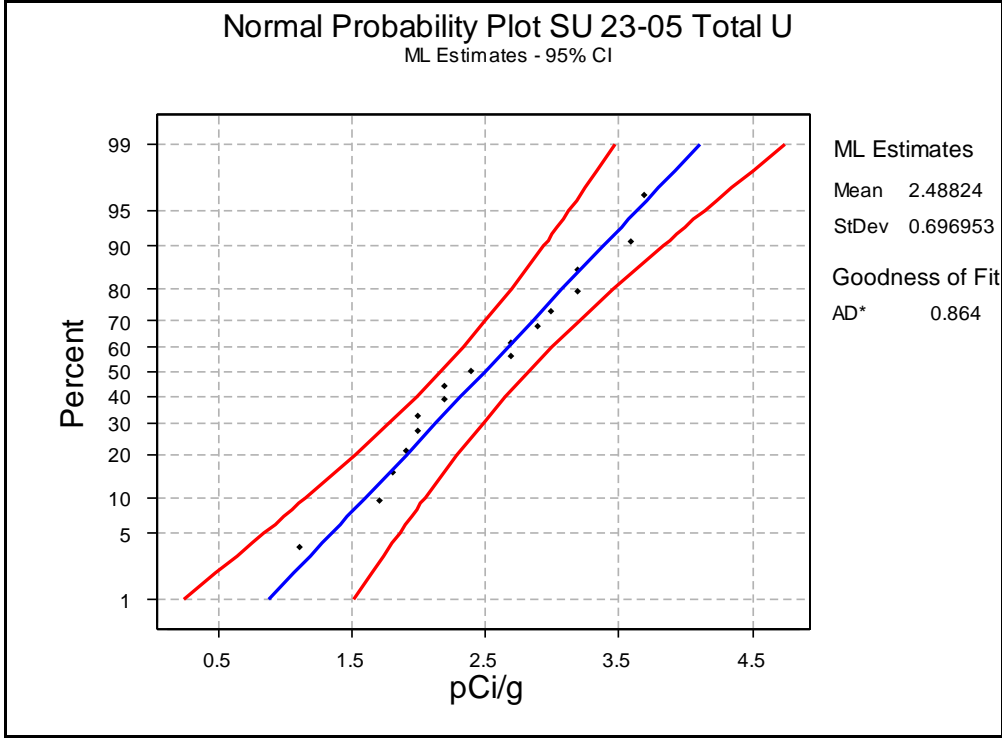
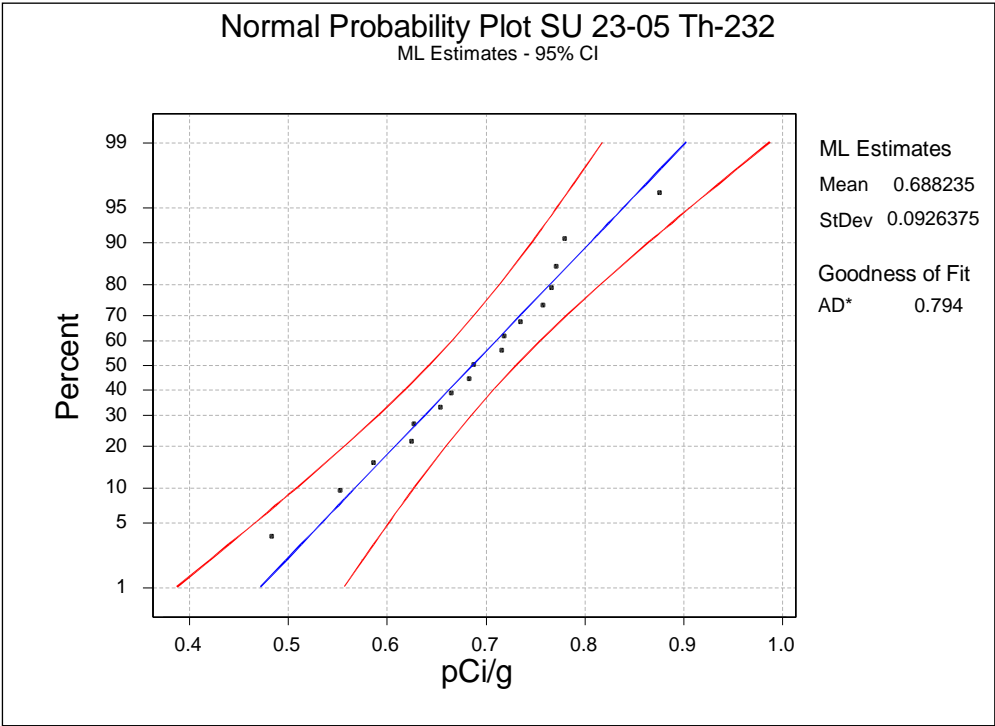
### Stem-Leaf Plot Section of SU\_23\_05\_SOF

Depth	Stem	Leaves
1	2T	3
2	F	5
4	S	77
7	.	889
(3)	3*	011
7	T	222222
1	F	5

Unit = .01 Example: 1 |2 Represents 0.12

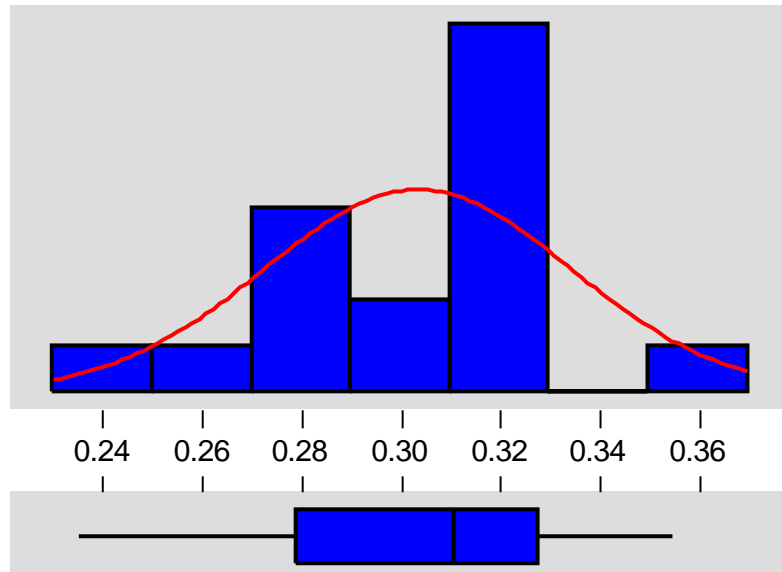






# Descriptive Statistics

Variable: SU 23-05 SOF



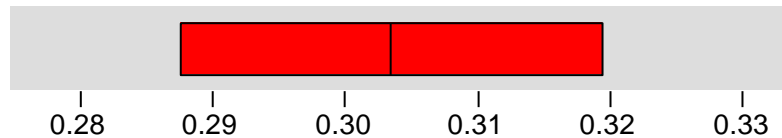
## Anderson-Darling Normality Test

A-Squared: 0.482  
P-Value: 0.200

Mean 0.303471  
StDev 0.030930  
Variance 9.57E-04  
Skewness -6.3E-01  
Kurtosis -1.1E-02  
N 17

Minimum 0.235000  
1st Quartile 0.279000  
Median 0.311000  
3rd Quartile 0.328000  
Maximum 0.355000

## 95% Confidence Interval for Mu



## 95% Confidence Interval for Mu

0.287568 0.319373

## 95% Confidence Interval for Sigma

0.023035 0.047073

## 95% Confidence Interval for Median

0.280168 0.327880

## 95% Confidence Interval for Median



## One-Sample T-Test Report

Variable SU\_23\_05\_SOF

### Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
SU_23_05_SOF	17	0.3034706	3.092959E-02	7.501528E-03	0.2875681	0.3193731

T for Confidence Limits = 2.1199

### Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	-1.1834	0.236654	Cannot reject normality
Kurtosis Normality	0.2193	0.826447	Cannot reject normality
Omnibus Normality	1.4485	0.484691	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_05_SOF<>1	-92.8517	0.000000	Reject Ho	1.000000	1.000000
SU_23_05_SOF<1	-92.8517	0.000000	Reject Ho	1.000000	1.000000
SU_23_05_SOF>1	-92.8517	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	17	0	1.000000	0.000008	0.000015

#### Wilcoxon Signed-Rank Test for Difference in Medians

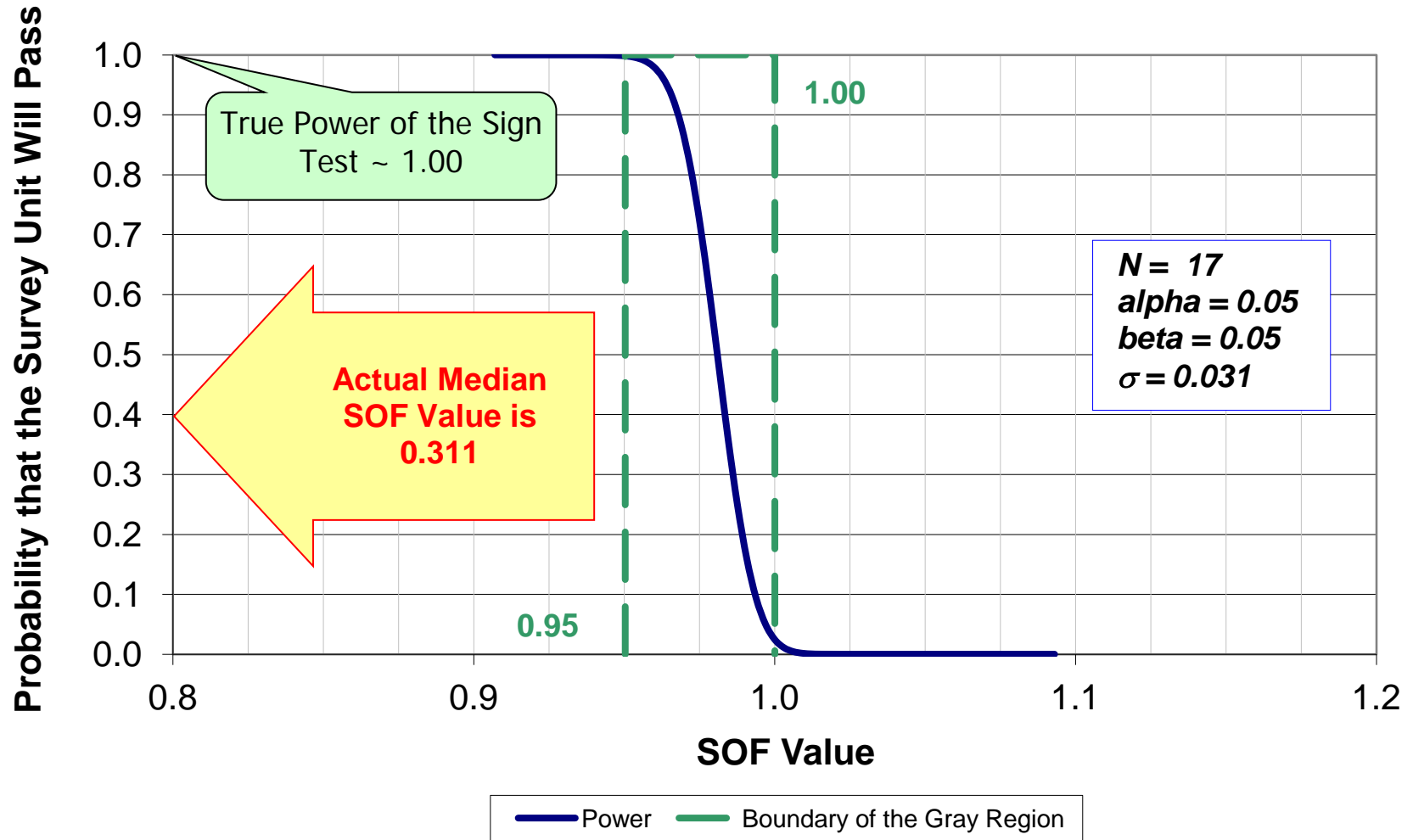
W Sum Ranks	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
0	76.5	21.11279	0	1	24

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			3.6234	0.000291	Reject Ho	3.5997	0.000319	Reject Ho
Median<1			-3.6234	0.000145	Reject Ho	-3.5997	0.000159	Reject Ho
Median>1			-3.6234	0.999855	Accept Ho	-3.6471	0.999867	Accept Ho

# Retrospective Power of the Sign Test

## Surface Soil Volumetric Measurements SOF Values

### Survey Unit CE-FSS-23-05





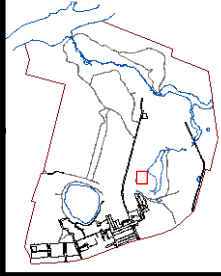


1009250 1009300 1009350 1009400 1009450 1009500

882500  
882450  
882400  
882350  
882300  
882250



CT State Plane NAD 83 Feet



**Legend**

CE-FSS-23-05	$\geq 3300$ (max. = 3960)	Road
$\geq 2820$ and $< 3300$	Forest	Water
$\geq 2400$ and $< 2820$	Open	
$< 2400$		

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

0 20 40 Feet

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

Scan Results  
Survey Unit CE-FSS-23-05

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-23-05\_Scan.pdf    02/22/2012 10:45 AM    brian.peters

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009377.721	882213.466	1800
1009377.721	882213.466	1740
1009377.721	882213.466	1800
1009377.721	882213.466	1140
1009377.714	882213.497	1620
1009377.712	882213.488	1260
1009377.703	882213.468	1260
1009377.697	882213.454	1380
1009377.705	882213.429	1740
1009377.704	882213.387	1140
1009377.712	882213.384	1440
1009377.137	882213.373	1080
1009377.109	882213.52	1200
1009376.929	882213.379	1380
1009377.054	882213.499	1440
1009377.533	882213.586	1440
1009377.719	882213.573	1140
1009377.719	882213.553	1920
1009377.912	882213.715	1680
1009378.467	882214.163	2040
1009378.733	882214.379	1620
1009379.048	882214.633	1620
1009379.326	882214.857	2220
1009379.633	882215.105	1620
1009379.954	882215.365	1860
1009380.225	882215.584	1800
1009380.529	882215.829	1980
1009380.801	882216.048	1860
1009381.111	882216.299	1440
1009381.411	882216.541	1140
1009381.686	882216.764	2160
1009381.968	882216.991	1680
1009382.271	882217.236	1740
1009382.54	882217.454	1500
1009382.843	882217.698	1320
1009383.118	882217.92	1800
1009383.421	882218.165	1620
1009383.729	882218.414	1920
1009384.018	882218.647	1620
1009384.292	882218.869	1980
1009384.601	882219.118	1500

Easting	Northing	CPM
1009380.815	882309.751	2640
1009379.872	882307.853	2640
1009379.557	882305.832	2340
1009378.591	882303.975	2340
1009378.474	882302.11	2520
1009378.09	882300.07	2460
1009378.166	882298.038	2580
1009378.083	882295.981	2280
1009377.744	882294.217	2400
1009377.68	882292.46	2520
1009377.075	882290.472	2520
1009376.938	882288.493	2820
1009376.167	882287.046	2520
1009376.267	882285.235	2100
1009375.858	882283.597	2220
1009375.812	882281.894	2280
1009375.226	882280.205	2460
1009375.47	882278.331	2640
1009375.069	882276.744	2640
1009375.218	882275.033	2400
1009374.772	882273.561	2640
1009374.798	882271.963	2760
1009374.666	882270.469	2220
1009374.677	882268.704	2040
1009374.451	882266.912	2040
1009374.256	882265	2340
1009374.112	882263.304	2040
1009374.109	882261.546	2820
1009374.042	882259.777	2280
1009374.056	882257.987	2400
1009373.893	882256.431	2760
1009373.922	882254.518	2820
1009373.66	882252.827	2880
1009374.053	882251.004	2280
1009373.729	882249.75	2580
1009374.028	882248.389	2460
1009374.182	882246.957	2220
1009374.361	882245.327	2760
1009374.868	882244.611	2940
1009374.375	882244.372	2160
1009372.709	882244.309	2640



## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009384.876	882219.34	1920
1009385.181	882219.586	1740
1009385.443	882219.798	1800
1009385.747	882220.044	2040
1009386.052	882220.29	1800
1009386.331	882220.516	2040
1009386.607	882220.739	2040
1009386.923	882220.994	2220
1009387.198	882221.216	1920
1009387.512	882221.469	1500
1009387.796	882221.698	1500
1009388.076	882221.925	1380
1009388.383	882222.173	1320
1009388.663	882222.399	1800
1009388.944	882222.626	1500
1009389.225	882222.853	1500
1009389.538	882223.106	1440
1009389.806	882223.322	1320
1009390.09	882223.551	1320
1009390.376	882223.782	1680
1009390.691	882224.037	1800
1009390.973	882224.265	1560
1009391.274	882224.508	1680
1009391.551	882224.732	2040
1009391.854	882224.976	1620
1009392.142	882225.209	1500
1009392.43	882225.442	1800
1009392.727	882225.682	1440
1009393.002	882225.904	1620
1009393.305	882226.148	1560
1009393.607	882226.393	1380
1009393.875	882226.609	1560
1009394.192	882226.865	1200
1009394.463	882227.084	1680
1009394.77	882227.332	1920
1009395.04	882227.55	1800
1009395.341	882227.793	1440
1009395.599	882228.001	1740
1009395.907	882228.25	1740
1009396.19	882228.479	1800

Easting	Northing	CPM
1009371.442	882243.303	2340
1009369.729	882242.296	2820
1009367.886	882241.579	2400
1009365.815	882241.128	2100
1009364.273	882241.742	2580
1009363.236	882242.278	2580
1009362.689	882242.385	2340
1009362.714	882242.414	2460
1009362.756	882242.394	2760
1009362.675	882242.464	2580
1009362.637	882242.441	2460
1009362.683	882242.386	2820
1009363.026	882242.539	2580
1009363.18	882242.82	2100
1009362.376	882244.123	2040
1009362.245	882245.656	1980
1009361.648	882247.235	2160
1009361.466	882248.649	2400
1009361.136	882250.509	2280
1009360.795	882252.254	2760
1009360.627	882254.297	2820
1009360.16	882256.397	3120
1009360.186	882258.424	3300
1009359.798	882260.878	2640
1009359.588	882262.838	2580
1009359.913	882264.967	2460
1009359.468	882267.124	2400
1009359.656	882268.988	2280
1009359.137	882271.074	2160
1009359.807	882273.07	3060
1009359.359	882275.315	2460
1009359.722	882276.986	2580
1009359.5	882278.787	2160
1009359.956	882280.764	2580
1009359.618	882282.416	2340
1009359.935	882284.221	2040
1009360.424	882286.201	2220
1009360.948	882288.278	2400
1009361.572	882290.28	2520
1009361.481	882292.722	2280

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009396.478	882228.712	1320
1009396.771	882228.948	1320
1009397.076	882229.195	1440
1009397.366	882229.429	1440
1009397.657	882229.663	1560
1009397.945	882229.896	1920
1009398.231	882230.127	1860
1009398.524	882230.364	1620
1009398.845	882230.623	1620
1009399.105	882230.833	1920
1009399.4	882231.071	1920
1009399.714	882231.325	1740
1009399.976	882231.537	1740
1009400.263	882231.769	1920
1009400.549	882232	1680
1009400.835	882232.231	1500
1009401.123	882232.463	1380
1009401.431	882232.712	1800
1009401.748	882232.968	1800
1009402.036	882233.201	1620
1009402.32	882233.43	1500
1009402.605	882233.66	2220
1009402.882	882233.884	1740
1009403.168	882234.115	1680
1009403.483	882234.369	1920
1009403.775	882234.605	1740
1009404.062	882234.837	1800
1009404.333	882235.056	1980
1009404.618	882235.286	1920
1009404.909	882235.521	1800
1009405.193	882235.751	1980
1009405.482	882235.984	2040
1009405.789	882236.232	2520
1009406.077	882236.465	2460
1009406.367	882236.699	3000
1009406.688	882236.958	2340
1009406.947	882237.167	1860
1009407.241	882237.405	2520
1009407.534	882237.641	2280
1009407.852	882237.898	1860

Easting	Northing	CPM
1009361.874	882295.009	2160
1009361.581	882297.615	2400
1009362.228	882299.933	1800
1009362.187	882301.5	2820
1009362.733	882303.316	2340
1009362.846	882305.139	2640
1009363.402	882306.823	2580
1009363.396	882308.638	2880
1009363.646	882310.427	2220
1009363.418	882312.312	2580
1009363.861	882313.591	2760
1009363.86	882315.046	2280
1009364.738	882316.7	2160
1009364.445	882318.176	2220
1009363.87	882319.013	1860
1009363.643	882319.203	2160
1009363.618	882319.026	2760
1009364.736	882319.226	2520
1009365.606	882320.297	2340
1009366.156	882322.141	2520
1009366.265	882324.159	2580
1009366.663	882326.202	2520
1009366.445	882327.835	2880
1009366.651	882329.435	2700
1009366.14	882331.084	2460
1009366.614	882331.633	2760
1009367.162	882331.527	2700
1009367.285	882331.431	2160
1009367.332	882331.405	1740
1009367.33	882331.391	1800
1009367.344	882331.37	2400
1009367.353	882331.377	3000
1009367.362	882331.401	2160
1009367.376	882331.38	1680
1009367.362	882331.466	1920
1009367.17	882331.817	2400
1009366.573	882333.398	1980
1009366.829	882334.975	2340
1009367.069	882336.836	2520
1009367.025	882338.911	2280

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009408.136	882238.128	1980
1009408.424	882238.36	2460
1009408.696	882238.58	2520
1009408.986	882238.814	2400
1009409.275	882239.048	2400
1009409.562	882239.28	2700
1009409.852	882239.514	2640
1009410.148	882239.753	2280
1009410.439	882239.987	1620
1009410.726	882240.22	1980
1009411.024	882240.46	2280
1009411.311	882240.692	2100
1009411.602	882240.927	2040
1009411.891	882241.161	2460
1009412.182	882241.396	2700
1009412.466	882241.625	2220
1009412.758	882241.861	2400
1009413.055	882242.101	2280
1009413.345	882242.335	2640
1009413.633	882242.568	2640
1009413.924	882242.803	2820
1009414.213	882243.036	2580
1009414.512	882243.278	2400
1009414.803	882243.513	1920
1009415.094	882243.748	2940
1009415.384	882243.982	2640
1009415.69	882244.229	2160
1009415.958	882244.446	2580
1009416.247	882244.679	2880
1009416.531	882244.908	2520
1009416.713	882244.964	2520
1009416.763	882244.902	2220
1009416.82	882244.864	2280
1009416.839	882244.883	2460
1009416.832	882244.905	2460
1009416.798	882244.892	3000
1009416.795	882244.87	2340
1009416.822	882244.869	2040
1009416.808	882244.872	2640
1009416.808	882244.869	2340

Easting	Northing	CPM
1009367.493	882340.999	2460
1009367.278	882342.689	2220
1009367.602	882344.044	2520
1009367.483	882345.833	2040
1009368.023	882347.75	2280
1009367.66	882349.367	2760
1009368.059	882350.968	2400
1009367.841	882352.602	2460
1009368.262	882354.052	2520
1009368.107	882355.593	2460
1009368.256	882357.283	2220
1009368.381	882358.967	2220
1009368.366	882360.687	2520
1009368.587	882362.497	2400
1009368.458	882364.543	2340
1009368.904	882366.242	2160
1009369.034	882368.151	2460
1009369.342	882369.872	2700
1009369.024	882371.7	2880
1009369.317	882373.124	2520
1009369.358	882374.694	3000
1009369.733	882376.138	2760
1009369.832	882377.737	2520
1009370.305	882379.302	2160
1009370.304	882380.996	2040
1009370.689	882382.779	1980
1009370.692	882384.844	1560
1009370.629	882386.663	1860
1009371.102	882388.176	2280
1009371.462	882389.356	2100
1009371.648	882390.69	2100
1009372.125	882392.473	2220
1009372.119	882394.242	2400
1009372.368	882395.781	2700
1009371.784	882397.356	2760
1009372.076	882398.436	2580
1009371.839	882399.346	2640
1009372.157	882400.564	2460
1009371.736	882402.135	2460
1009371.949	882403.555	2280

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009416.812	882244.872	2160
1009416.808	882244.898	2100
1009416.799	882244.973	2460
1009416.891	882244.963	2100
1009417.103	882245.093	2700
1009416.985	882245.155	2160
1009417.38	882245.279	2340
1009418.214	882245.907	2100
1009418.949	882245.61	2160
1009419.884	882245.368	2580
1009420.981	882244.867	2040
1009422.262	882243.872	2280
1009423.447	882243.928	2220
1009424.818	882243.394	2400
1009426.088	882243.521	2760
1009427.442	882243.273	2040
1009428.851	882243.366	2280
1009430.219	882243.031	2040
1009431.864	882242.937	2160
1009433.347	882242.522	2160
1009434.686	882242.477	2160
1009435.94	882242.405	1980
1009437.069	882242.149	1740
1009438.341	882242.527	2100
1009439.474	882242.236	2280
1009440.838	882242.451	2460
1009441.62	882242.047	2580
1009442.174	882241.538	2580
1009442.857	882242.146	1860
1009443.47	882242.049	1620
1009444.262	882241.627	2220
1009444.899	882242.103	2460
1009445.602	882241.797	2400
1009446.331	882241.531	2040
1009447.262	882242.243	2040
1009447.723	882242.166	2220
1009448.379	882241.411	2400
1009448.463	882241.037	2340
1009448.207	882240.996	2700
1009448.147	882240.918	2700

Easting	Northing	CPM
1009371.995	882405.572	2700
1009372.49	882407.486	2880
1009372.984	882409.27	2400
1009372.635	882411.193	2220
1009373.117	882412.777	2460
1009373.872	882414.917	2580
1009375.215	882416.307	2220
1009375.968	882417.913	2760
1009376.288	882419.98	2220
1009376.771	882421.503	2460
1009376.801	882423.315	2700
1009377.392	882424.987	2700
1009377.792	882426.93	2460
1009378.404	882428.636	2460
1009379.269	882430.23	2460
1009379.835	882432.269	2100
1009380.674	882433.788	2520
1009381.375	882435.635	2160
1009382.691	882437.28	2400
1009383.629	882439.034	2340
1009384.539	882440.689	2280
1009385.857	882442.605	2700
1009386.085	882443.987	2400
1009386.145	882445.373	2280
1009386.322	882446.846	2700
1009387.433	882448.082	2400
1009388.408	882449.947	2340
1009389.862	882451.56	3000
1009390.696	882453.601	2760
1009392.087	882454.802	2460
1009392.925	882456.224	2400
1009394.066	882457.29	2400
1009394.647	882458.789	2280
1009395.77	882459.783	2520
1009396.431	882459.674	2280
1009396.124	882460.621	2460
1009396.949	882461.618	2700
1009397.149	882463.111	2700
1009398.049	882464.263	2580
1009398.135	882465.654	2580

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009448.193	882240.832	2400
1009448.36	882240.883	2280
1009448.563	882241.093	2340
1009448.545	882241.26	2640
1009449.063	882241.623	2400
1009449.826	882241.806	2580
1009450.74	882241.177	2940
1009451.268	882240.661	2520
1009451.473	882240.847	2220
1009451.471	882240.845	2640
1009451.602	882240.967	2340
1009451.56	882241.627	2280
1009452.252	882241.551	2580
1009452.91	882241.425	2280
1009452.6	882242.149	2340
1009453.163	882242.509	2280
1009453.765	882242.576	2460
1009453.944	882243.611	2340
1009454.814	882244.121	2880
1009455.036	882244.308	2880
1009455.043	882244.094	3000
1009454.988	882244.743	2880
1009455.402	882246.138	2820
1009455.629	882246.607	2880
1009455.195	882247.591	2580
1009455.929	882248.329	2460
1009456.058	882248.929	2460
1009456.079	882249.807	2640
1009456.523	882250.48	2400
1009456.716	882251.559	3060
1009457.489	882252.381	2880
1009457.561	882253.096	2640
1009457.646	882253.974	3060
1009457.711	882254.607	2880
1009457.48	882255.45	2460
1009457.833	882256.332	2580
1009457.354	882257.31	2400
1009457.968	882258.008	2820
1009457.782	882258.919	2280
1009458.316	882259.963	3960

Easting	Northing	CPM
1009398.561	882466.454	2700
1009399	882466.863	2940
1009399.495	882467.871	2280
1009400.063	882468.74	2520
1009400.737	882469.791	2580
1009401.538	882470.818	2580
1009402.327	882471.809	2280
1009402.835	882473.512	2400
1009403.777	882474.723	2580
1009404.477	882476.163	2700
1009405.274	882477.413	2280
1009406.068	882478.977	2580
1009407.516	882480.041	2820
1009408.8	882481.658	3000
1009410.841	882482.366	2820
1009411.945	882484.146	3300
1009413.022	882485.563	3180
1009413.717	882487.092	2940
1009414.176	882487.416	2940
1009413.453	882487.308	2820
1009412.486	882487.015	2760
1009412.262	882486.974	2760
1009412.017	882487.178	3000
1009411.457	882487.009	2700
1009410.907	882486.417	2940
1009410.901	882486.473	3000
1009410.859	882486.826	3240
1009410.784	882487.181	2640
1009410.27	882487.014	2820
1009410.475	882486.92	2760
1009411.271	882486.064	3060
1009412.15	882485.823	2820
1009413.198	882486.129	3000
1009413.619	882487.37	2580
1009414.527	882488.612	2760
1009415.167	882490.069	2700
1009415.985	882491.525	2460
1009416.222	882492.788	2640
1009416.907	882493.59	2400
1009417.211	882494.8	2460

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009458.527	882260.378	3840
1009458.664	882260.269	3060
1009458.553	882260.198	3000
1009458.519	882260.283	2880
1009458.621	882260.368	3000
1009458.771	882260.309	3000
1009459.103	882260.106	2220
1009458.448	882260.581	2340
1009458.078	882261.152	2580
1009458.549	882261.692	2460
1009458.124	882262.503	2520
1009458.585	882263.154	2520
1009458.268	882264.345	2460
1009458.606	882265.261	2340
1009458.798	882265.815	2160
1009458.722	882266.366	2640
1009458.939	882266.726	2880
1009458.686	882267.312	2460
1009459.101	882267.892	2520
1009458.673	882268.726	2340
1009458.919	882269.303	2460
1009458.531	882270.107	2640
1009458.568	882271.085	2640
1009458.466	882271.8	2700
1009458.541	882272.461	2460
1009458.588	882273.317	2220
1009458.912	882274.169	2820
1009458.876	882275.273	2820
1009459.366	882276.244	2880
1009459.03	882277.237	2400
1009459.537	882278.09	2280
1009459.021	882278.979	2400
1009459.236	882279.614	2820
1009459.177	882280.466	2460
1009459.273	882281.393	2460
1009459.366	882282.35	2460
1009459.396	882282.752	2640
1009459.912	882284.321	3060
1009459.913	882285.43	3000
1009460.088	882286.695	2640

Easting	Northing	CPM
1009418.005	882495.824	2640
1009418.758	882497.254	2400
1009419.635	882498.358	2640
1009420.599	882499.67	3060
1009421.303	882501.306	3000
1009422.172	882502.729	3120
1009422.44	882503.733	3180
1009422.461	882503.814	2700
1009422.185	882503.299	2700
1009421.514	882502.932	2640
1009421.161	882502.501	2400
1009420.979	882502.277	3180
1009420.935	882502.19	2880
1009421.046	882502.123	2880
1009421.033	882502.13	2880
1009421.174	882502.239	3120
1009421.281	882502.414	3000
1009421.236	882502.469	2760
1009421.222	882502.681	2880
1009421.073	882503.124	2580
1009421.062	882504.083	2100
1009420.225	882505.545	2460
1009419.067	882506.866	2700
1009417.746	882507.91	2280
1009417.021	882509.414	2940
1009416.396	882511.038	2580
1009416.006	882513.065	2940
1009415.247	882514.933	2760
1009414.323	882516.125	2820
1009413.466	882517.005	2460
1009413.243	882517.3	2520
1009413.181	882517.288	2400
1009412.881	882516.046	2940
1009411.957	882515.122	2760
1009411.706	882513.784	3060
1009411.098	882512.746	2520
1009410.817	882510.948	2520
1009409.872	882509.297	2400
1009409.063	882507.847	2520
1009408.304	882506.188	2580

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009460.037	882287.578	2460
1009460.432	882288.51	2400
1009459.849	882289.363	2220
1009460.153	882289.987	2220
1009460.038	882290.95	2400
1009460.142	882292.142	2340
1009460.14	882293.145	2160
1009460.321	882294.113	2700
1009460.222	882295.469	2640
1009460.399	882296.954	2760
1009460.323	882297.989	2820
1009460.603	882298.91	2640
1009460.961	882299.654	1980
1009461.196	882300.612	2520
1009461.764	882301.305	2940
1009461.576	882302.144	2520
1009461.993	882302.924	2640
1009461.615	882303.642	2700
1009461.829	882304.7	2100
1009461.197	882305.897	2400
1009461.646	882307.03	1920
1009461.486	882308.266	2220
1009461.789	882309.357	2760
1009461.85	882310.375	2580
1009461.997	882311.523	3180
1009461.659	882312.104	2940
1009461.995	882312.513	2400
1009461.741	882313.195	2640
1009461.747	882314.038	2940
1009461.96	882314.36	2100
1009461.957	882314.324	2400
1009462.059	882314.128	2700
1009461.681	882315.275	2940
1009462.448	882316.473	2640
1009462.166	882317.351	2580
1009462.634	882318.465	2520
1009462.277	882319.693	2880
1009462.733	882320.638	2460
1009462.393	882321.608	3120
1009462.328	882322.457	2940

Easting	Northing	CPM
1009407.073	882504.84	2160
1009405.994	882503.084	2400
1009404.226	882502.293	2760
1009403.31	882500.817	2340
1009402.023	882499.952	2040
1009401.141	882498.69	2160
1009400.258	882497.846	2520
1009399.762	882496.72	2520
1009398.963	882495.819	2580
1009398.536	882494.511	2580
1009397.44	882493.475	3060
1009396.835	882492.168	3300
1009396.658	882491.973	2460
1009396.654	882492.214	2640
1009396.717	882492.195	2580
1009396.629	882492.277	2940
1009397.136	882492.091	2640
1009397.799	882491.869	2520
1009397.079	882491.862	2520
1009396.111	882491.039	3000
1009395.559	882490.229	3060
1009394.941	882489.026	2340
1009393.747	882487.602	2760
1009392.382	882486.517	2520
1009391.64	882485.022	2820
1009390.943	882484.135	2820
1009390.522	882482.962	3240
1009390.329	882482.802	2820
1009390.743	882482.831	2820
1009391.172	882483.256	2400
1009391.414	882483.461	3000
1009391.459	882483.394	2100
1009391.436	882483.445	2280
1009391.43	882483.48	2640
1009391.447	882483.486	2880
1009391.443	882483.475	2520
1009391.294	882483.317	2580
1009390.73	882482.599	2760
1009389.196	882481.46	2220
1009387.367	882480.633	2340

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009462.294	882322.302	2580
1009461.97	882321.728	2340
1009461.888	882321.771	2100
1009462.2	882322.592	2580
1009461.872	882323.47	2580
1009461.561	882323.978	2520
1009461.936	882324.278	2520
1009461.773	882324.949	2640
1009462.103	882325.932	2280
1009462.044	882327.057	2160
1009462.089	882327.913	2160
1009462.284	882328.466	3060
1009462.158	882329.312	3180
1009462.378	882330.201	2760
1009462.123	882331.465	2400
1009462.763	882332.468	2460
1009462.217	882333.506	2640
1009462.282	882334.447	2580
1009462.038	882334.543	2100
1009461.72	882334.342	1980
1009461.696	882334.824	2160
1009461.803	882335.129	2160
1009461.557	882335.148	2760
1009461.083	882335.118	2580
1009461.311	882335.269	2400
1009461.219	882335.946	2820
1009461.513	882336.569	2700
1009461.254	882337.422	2700
1009461.638	882338.381	2880
1009461.596	882338.881	2880
1009461.227	882339.119	2760
1009461.689	882339.484	2760
1009462.233	882339.671	2580
1009461.931	882340.356	2820
1009461.933	882341.358	3000
1009461.698	882342.588	2580
1009462.175	882343.481	2640
1009462.09	882344.752	3180
1009462.555	882345.739	2580
1009462.381	882346.904	2160

Easting	Northing	CPM
1009386.501	882479.385	2580
1009385.042	882478.665	3060
1009384.681	882476.996	2520
1009383.663	882475.557	2940
1009382.942	882474.519	3060
1009382.437	882473.408	2580
1009381.379	882472.53	3180
1009381.301	882471.339	2220
1009380.763	882470.61	2460
1009380.585	882469.741	2580
1009379.922	882469.342	2280
1009379.883	882468.447	2160
1009379.267	882467.995	1980
1009378.665	882467.065	2400
1009378.118	882465.303	2220
1009377.036	882463.489	2640
1009376.058	882461.799	3420
1009375.298	882460.785	2760
1009374.441	882459.681	2520
1009372.912	882458.517	2220
1009371.932	882456.648	2520
1009370.789	882455.504	2520
1009370.254	882453.86	2040
1009369.111	882452.512	2160
1009368.458	882450.802	2340
1009368.029	882448.971	2400
1009367.753	882447.01	2220
1009367.52	882445.064	2820
1009366.983	882443.111	1980
1009366.973	882441.317	2520
1009366.446	882439.656	2220
1009366.306	882437.461	2700
1009365.638	882435.9	2400
1009365.58	882433.851	2700
1009364.658	882432.165	2220
1009363.856	882430.303	2460
1009362.976	882428.827	1980
1009361.787	882427.372	2280
1009361.177	882425.144	2100
1009360.391	882423.327	2040



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009462.695	882348.048	2400
1009462.545	882349.366	2160
1009462.868	882350.36	2280
1009463.012	882351.497	2400
1009463.804	882352.756	2820
1009463.543	882354.395	3000
1009464.092	882355.712	3060
1009463.882	882356.853	2340
1009463.932	882358.259	2640
1009463.83	882359.553	3060
1009463.892	882360.43	2400
1009464.197	882360.166	3120
1009464.137	882360.218	2580
1009463.39	882361.012	2520
1009463.827	882361.308	2640
1009463.908	882361.877	2760
1009463.78	882362.895	2580
1009463.822	882363.784	2700
1009463.714	882364.742	2340
1009463.349	882366.352	2940
1009463.535	882367.62	2700
1009463.369	882368.825	2580
1009463.757	882369.962	2220
1009463.637	882371.494	2640
1009464.194	882372.665	2760
1009464.218	882373.419	2580
1009464.404	882374.516	2640
1009464.47	882375.494	2460
1009464.905	882377.018	2640
1009464.526	882378.759	1980
1009465.101	882379.643	2760
1009464.868	882380.627	3000
1009464.995	882382.055	2280
1009465.483	882383.069	2400
1009465.033	882384.226	2280
1009465.364	882384.989	2100
1009465.342	882385.764	2760
1009465.829	882386.344	2280
1009465.834	882387.516	2160
1009466.599	882388.674	2580

Easting	Northing	CPM
1009360.08	882421.164	2520
1009359.264	882419.366	2580
1009359.279	882417.543	2040
1009358.507	882416.097	2400
1009358.279	882414.283	2400
1009357.26	882412.813	2040
1009357.209	882411.218	2220
1009356.187	882409.679	2220
1009355.741	882407.713	2220
1009354.987	882405.924	2160
1009354.68	882404.077	2040
1009354.192	882402.441	2160
1009353.349	882400.403	2220
1009353.435	882398.619	2580
1009353.141	882396.619	2460
1009353.389	882394.803	2040
1009353.339	882393.086	2160
1009353.907	882391.282	2160
1009353.833	882389.826	1980
1009353.95	882388.421	2700
1009353.875	882387.092	2400
1009354.152	882385.804	2460
1009353.711	882384.336	2160
1009353.916	882382.793	2340
1009353.359	882381.187	1860
1009352.984	882379.206	1860
1009352.208	882377.457	2100
1009351.755	882375.432	2460
1009351.492	882373.467	2340
1009351.061	882371.475	1980
1009351.404	882369.291	2160
1009351.205	882367.579	2820
1009351.733	882365.971	2880
1009351.317	882364.564	2220
1009351.404	882362.976	2160
1009351.093	882361.206	2160
1009351.239	882359.495	2520
1009351.144	882357.735	2280
1009350.977	882356.04	2280
1009351.077	882354.164	2520

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009466.666	882389.545	2580
1009465.504	882390.663	2940
1009465.438	882391.784	3180
1009465.366	882392.138	3000
1009465.56	882391.765	2700
1009465.481	882391.299	2880
1009465.491	882391.222	3060
1009465.801	882391.186	2400
1009466.049	882391.123	2460
1009466.236	882391.094	2700
1009466.311	882391.205	2580
1009466.428	882391.13	3060
1009466.451	882391.091	2820
1009465.577	882392.09	2700
1009465.463	882392.561	2640
1009465.956	882392.429	3420
1009466.156	882392.387	2820
1009466.112	882392.307	2880
1009466.04	882392.283	2580
1009465.793	882392.434	3300
1009464.363	882393.239	2520
1009464.555	882394.078	2520
1009463.81	882394.391	3060
1009464.405	882394.705	3060
1009463.744	882396.231	2760
1009464.203	882397.143	2520
1009464.4	882397.676	2880
1009464.162	882399.112	2820
1009464.045	882400.393	2880
1009464.458	882401.792	2700
1009464.674	882402.909	3180
1009464.274	882403.608	3300
1009464.096	882403.823	2700
1009464.084	882403.91	2820
1009463.902	882403.84	2640
1009464.227	882403.237	3120
1009464.657	882402.785	2940
1009464.834	882402.654	2580
1009464.619	882403.532	2340
1009464.672	882404.417	2580

Easting	Northing	CPM
1009350.715	882352.532	2700
1009350.454	882350.504	2520
1009349.428	882348.947	2160
1009349.348	882347.304	2100
1009348.879	882346.022	1920
1009348.707	882344.141	1800
1009348.003	882342.82	1800
1009347.721	882340.978	1740
1009347.002	882339.504	2280
1009346.844	882337.628	2220
1009345.949	882335.915	2100
1009345.377	882334.05	2460
1009344.703	882331.979	2220
1009343.658	882330.23	2220
1009343.427	882328.468	2100
1009342.896	882326.606	2280
1009342.862	882325.023	2220
1009342.504	882323.183	2280
1009342.624	882321.444	2760
1009342.394	882319.821	3240
1009342.527	882318.066	2520
1009342.243	882316.46	2580
1009342.384	882314.946	2460
1009341.713	882313.684	2100
1009341.742	882312.912	2760
1009341.738	882313.217	2580
1009341.611	882313.445	2400
1009342.107	882312.38	2460
1009341.53	882311.258	1980
1009341.097	882309.833	1980
1009340.255	882308.489	2040
1009340.362	882306.673	1980
1009340.039	882304.833	2520
1009340.066	882303.185	2760
1009339.778	882301.742	2580
1009339.782	882299.963	2820
1009339.787	882298.532	2460
1009340.02	882297.478	2520
1009340.104	882296.488	2940
1009340.698	882295.73	2580

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009464.935	882404.329	2460
1009464.49	882405.196	2580
1009464.763	882405.918	2340
1009464.684	882406.827	2820
1009464.619	882408.019	2220
1009464.541	882408.947	2400
1009464.236	882409.805	2340
1009464.039	882410.927	2880
1009463.877	882412.062	2580
1009463.405	882413.356	2580
1009463.049	882415.06	2100
1009462.475	882416.741	1920
1009462.697	882418.096	2280
1009462.304	882420.026	2460
1009462.527	882421.63	2160
1009461.653	882422.943	2160
1009460.893	882424.482	2460
1009459.207	882425.416	2640
1009457.691	882425.878	2940
1009456.64	882425.74	2580
1009456.188	882425.272	2400
1009455.58	882423.859	2640
1009455.856	882423.926	3120
1009455.877	882425.299	3240
1009456.641	882426.434	3660
1009456.554	882427.713	2640
1009456.874	882428.937	2580
1009456.831	882430.042	3060
1009456.988	882431.337	2700
1009456.76	882432.64	2640
1009457.158	882433.686	2820
1009457.28	882434.931	2460
1009458.041	882436.284	2220
1009458.443	882438.017	2880
1009459.105	882439.628	3000
1009459.906	882441.299	3120
1009459.872	882442.928	2340
1009460.08	882444.174	2820
1009459.541	882445.307	2940
1009460.445	882445.744	2400

Easting	Northing	CPM
1009340.461	882295.383	3000
1009340.34	882295.173	2820
1009340.788	882294.771	2400
1009340.963	882294.599	2400
1009340.456	882294.752	2640
1009339.852	882294.329	2160
1009339.069	882293.219	2760
1009339	882291.993	2580
1009338.547	882290.843	2340
1009338.621	882289.58	2040
1009338.143	882287.879	2280
1009338.489	882286.065	2700
1009338.101	882284.269	3060
1009338.18	882282.841	2520
1009337.971	882281.608	3060
1009338.07	882280.037	3000
1009337.671	882278.685	2520
1009337.752	882277.374	2280
1009337.917	882275.935	2460
1009337.782	882274.463	2760
1009337.655	882273.003	2880
1009387.925	882506.139	3300
1009387.528	882506.835	2280
1009387.791	882506.896	2400
1009388.334	882506.722	2640
1009388.535	882507.42	2160
1009389.384	882508.049	1860
1009390.349	882509.197	2160
1009391.297	882510.25	2760
1009392.119	882511.585	2580
1009393.093	882512.909	2460
1009393.83	882514.167	2460
1009394.072	882515.226	2340
1009394.662	882516.429	2400
1009395.818	882517.382	1980
1009397.055	882518.678	1920
1009398.523	882519.335	1920
1009399.224	882520.395	2160
1009400.518	882521.177	2100
1009401.52	882522.316	2520

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009461.74	882446.844	1980
1009463.209	882447.313	2160
1009464.974	882447.731	3180
1009465.763	882449.172	2820
1009466.604	882450.961	2460
1009466.047	882452.987	2100
1009466.265	882454.548	2760
1009466.175	882455.991	2400
1009466.21	882457.227	2280
1009465.586	882458.696	3120
1009465.844	882459.561	2460
1009465.463	882460.386	2760
1009464.974	882460.713	2820
1009465.078	882460.07	3060
1009465.308	882459.623	2700
1009464.914	882460.035	2640
1009464.456	882460.143	2580
1009465.046	882460.155	2220
1009465.308	882460.866	2040
1009465.338	882461.657	2040
1009465.492	882462.676	2220
1009465.587	882463.595	2520
1009465.316	882464.693	2940
1009465.246	882465.476	2940
1009464.995	882466.497	2160
1009465.296	882467.619	2580
1009464.984	882469.05	2640
1009465.299	882470.18	2640
1009465.197	882471.535	2700
1009465.636	882472.793	2700
1009465.294	882474.184	3300
1009465.418	882475.058	2700
1009465.007	882476.055	2580
1009464.82	882477.192	3000
1009465.184	882477.573	2460
1009465.435	882477.472	2460
1009464.929	882477.545	2700
1009463.875	882477.825	1980
1009462.62	882478.065	2400
1009461.339	882477.978	2880

Easting	Northing	CPM
1009403.196	882523.171	2760
1009403.671	882523.731	2820
1009404.196	882525.144	2700
1009404.806	882525.933	3240
1009404.796	882526.133	3060
1009404.741	882526.175	2400
1009404.734	882526.031	2460
1009404.698	882526.004	2460
1009404.725	882526.016	2640
1009404.819	882526.01	2520
1009404.918	882526.008	2820
1009404.963	882525.981	2280
1009404.974	882525.957	2640
1009404.967	882525.921	2520
1009404.977	882525.91	2700
1009404.993	882525.924	2340
1009404.949	882525.988	2460
1009404.858	882526.034	2880
1009404.793	882526.032	3120
1009404.866	882525.994	2100
1009404.951	882525.978	2100
1009404.975	882525.973	2580
1009404.979	882525.991	2460
1009404.924	882526.011	1920
1009404.901	882526.033	2160
1009404.904	882526.045	2400
1009404.873	882526.026	2940
1009404.825	882526.019	2820
1009404.798	882526.031	2580
1009404.799	882526.044	2760
1009404.763	882526.074	2580
1009404.786	882526.08	2220
1009404.836	882526.096	2400
1009404.845	882526.134	3060
1009404.732	882526.459	3240
1009403.884	882526.15	2760
1009402.851	882526.236	2880
1009401.036	882526.672	2580
1009400.066	882527.774	3000
1009398.73	882528.807	2460

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009460.557	882477.989	2760
1009459.625	882477.869	2700
1009458.68	882477.493	2580
1009457.582	882477.46	3180
1009456.487	882476.725	3120
1009455.312	882476.013	2580
1009454.997	882474.757	2220
1009454.295	882474.001	2280
1009454.394	882472.982	3180
1009453.663	882471.917	3180
1009453.69	882470.643	2700
1009452.807	882469.448	3000
1009453.34	882468.082	2640
1009452.615	882466.629	2700
1009452.634	882465.22	2880
1009451.546	882464.609	2340
1009451.382	882463.748	2460
1009450.408	882462.999	2880
1009450.408	882461.63	2580
1009449.302	882460.781	2520
1009449.419	882459.524	2460
1009448.862	882459.257	2700
1009448.393	882459.056	3000
1009448.231	882458.112	2880
1009448.742	882457.076	2580
1009448.541	882456.17	3120
1009448.759	882455.071	2580
1009448.454	882453.863	2580
1009448.345	882452.536	2880
1009447.458	882451.491	3000
1009447.505	882450.326	2820
1009446.883	882449.428	2940
1009447.059	882448.194	2280
1009446.63	882446.826	3180
1009446.739	882445.196	3060
1009446.483	882444.149	2700
1009446.518	882443.192	3000
1009446.965	882442.112	2460
1009446.741	882441.032	2040
1009446.995	882439.638	3000

Easting	Northing	CPM
1009397.412	882530.452	2160
1009395.985	882531.199	2760
1009394.828	882532.294	2460
1009393.487	882533.271	2160
1009391.875	882534.13	2280
1009390.441	882534.893	2820
1009389.421	882535.505	2400
1009388.057	882535.833	2340
1009386.498	882535.452	2940
1009385.356	882534.491	3180
1009385.216	882533.456	3300
1009385.658	882532.939	2820
1009385.661	882532.867	2820
1009385.65	882532.351	3180
1009385.94	882531.817	3120
1009386.172	882531.978	3300
1009386.255	882532.3	2580
1009386.34	882532.427	3180
1009386.616	882532.419	2760
1009386.887	882532.28	2700
1009386.39	882531.998	2640
1009386.204	882531.83	3000
1009386.276	882531.915	2760
1009386.244	882532.063	2700
1009386.144	882532.205	2700
1009386.231	882532.093	2700
1009386.401	882531.814	2340
1009386.349	882531.538	2460
1009386.32	882531.489	2760
1009386.189	882532.087	2700
1009385.724	882531.963	2880
1009385.656	882531.148	3060
1009385.629	882530.963	2520
1009385.445	882530.975	2100
1009385.353	882531.103	3360
1009385.364	882531.382	2820
1009384.591	882531.956	2640
1009385.056	882531.536	2640
1009385.781	882530.993	2820
1009385.82	882531.032	2880

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009446.518	882438.405	3000
1009446.76	882437.223	2820
1009446.899	882435.885	2400
1009447.001	882434.628	2700
1009447.056	882433.367	2280
1009446.66	882432.191	2520
1009446.919	882430.818	2580
1009446.567	882429.62	2460
1009446.84	882428.349	2100
1009447.013	882427.055	2580
1009447.534	882425.6	2520
1009447.371	882424.447	2580
1009447.608	882423.496	2280
1009447.866	882422.549	2640
1009448.583	882420.958	2700
1009448.371	882419.726	2880
1009449.118	882418.793	2640
1009449.075	882418.05	2160
1009449.141	882417.124	2760
1009449.041	882415.916	2280
1009448.806	882414.648	2580
1009448.589	882413.367	2580
1009448.626	882412.078	2400
1009448.398	882410.853	2340
1009448.734	882409.72	2400
1009448.227	882408.177	2580
1009448.778	882406.805	2640
1009448.38	882405.741	2940
1009448.879	882404.441	2460
1009448.626	882403.355	2700
1009449.224	882402.136	2220
1009449.009	882401.112	1860
1009449.349	882399.823	2280
1009449.065	882398.593	2280
1009449.434	882397.243	2640
1009449.613	882395.911	2760
1009449.591	882394.565	2460
1009449.91	882393.288	2340
1009449.524	882392.075	2100
1009449.921	882390.514	2520

Easting	Northing	CPM
1009385.858	882530.705	2880
1009385.854	882530.673	2820
1009385.789	882530.872	2760
1009385.74	882531.143	2400
1009385.649	882531.231	2160
1009384.759	882531.474	2580
1009384.098	882531.948	2640
1009384.242	882531.219	3420
1009384.199	882531.447	2820
1009384.211	882532.187	2820
1009384.329	882532.259	2820
1009384.199	882531.056	2100
1009383.697	882530.705	2520
1009383.416	882530.838	2640
1009382.663	882530.657	1980
1009381.914	882529.793	2640
1009381.292	882529.204	2340
1009381.279	882528.581	2760
1009380.916	882527.711	2520
1009380.721	882526.345	2040
1009380.023	882525.412	2700
1009380.192	882524.148	2940
1009380.088	882523.025	2820
1009380.314	882522.481	3360
1009380.408	882522.741	2520
1009379.978	882523.096	2640
1009379.794	882523.216	2640
1009380.443	882522.766	3060
1009381.09	882522.568	3180
1009381.496	882522.543	2940
1009381.642	882522.559	2820
1009381.273	882522.256	3060
1009380.798	882521.701	3000
1009380.218	882521.711	2640
1009380.062	882521.31	3240
1009380.203	882520.696	2460
1009337.558	882271.221	2580
1009337.954	882269.496	2760
1009337.824	882268.052	1980
1009338.297	882266.392	1440

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009449.183	882389.327	2520
1009448.858	882387.858	2220
1009448.367	882386.504	2460
1009448.842	882385.146	3000
1009448.872	882384.087	2940
1009449.428	882383.223	2340
1009449.439	882382.691	2520
1009449.7	882381.813	2040
1009449.399	882380.799	2460
1009449.802	882379.869	1800
1009449.496	882378.773	2220
1009449.652	882377.463	2340
1009448.748	882376.54	2220
1009449.146	882375.373	2100
1009448.672	882374.26	2160
1009449.203	882373.145	2220
1009448.613	882371.971	1980
1009448.974	882370.942	2940
1009448.525	882369.685	2520
1009449.101	882368.372	2580
1009448.752	882367.087	2580
1009448.898	882366.032	2940
1009448.72	882365.024	2820
1009448.402	882364.015	2640
1009448.538	882362.51	2520
1009448.236	882361.513	2520
1009448.411	882360.211	2700
1009447.702	882359.128	2880
1009448.15	882357.906	2160
1009448.081	882356.801	2460
1009448.808	882355.928	1920
1009448.693	882355.157	2280
1009448.659	882353.717	2700
1009448.205	882352.79	2520
1009448.442	882351.443	2340
1009448.034	882350.404	2340
1009448.221	882349.032	2520
1009447.774	882347.93	2400
1009448.101	882346.643	2100
1009447.681	882345.504	2520

Easting	Northing	CPM
1009337.963	882265.015	2220
1009337.893	882263.594	2400
1009337.228	882262.43	2040
1009337.407	882261.037	2220
1009337.001	882259.453	2880
1009337.274	882257.842	2400
1009337.544	882256.159	2400
1009338.112	882254.6	2580
1009338.332	882253.141	2040
1009338.776	882251.827	2280
1009338.677	882250.348	1980
1009339.029	882248.916	2520
1009339.02	882247.814	2460
1009339.676	882246.72	2700
1009340.212	882245.326	2640
1009340.648	882243.782	2340
1009341.478	882241.194	2460
1009342.115	882239.701	2160
1009342.723	882239.739	2160
1009343.047	882239.552	2160
1009343.069	882239.469	2340
1009343.056	882239.508	2700
1009343.05	882239.477	2280
1009343.066	882239.478	2280
1009343.081	882239.415	2640
1009343.047	882239.44	2340
1009343.043	882239.472	2580
1009343.05	882239.461	2640
1009342.977	882239.377	2220
1009342.943	882239.459	2340
1009342.92	882239.535	2520
1009342.789	882239.592	3060
1009342.771	882239.494	2820
1009342.77	882239.424	2460
1009342.779	882239.423	2220
1009342.878	882239.431	2460
1009342.965	882239.343	2400
1009342.955	882239.364	2940
1009342.948	882239.396	2940
1009342.93	882239.339	2640

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009447.855	882344.267	2460
1009446.965	882343.26	2580
1009447.14	882341.771	2340
1009446.603	882340.34	2340
1009446.934	882338.965	2520
1009446.429	882337.507	2700
1009447.03	882335.99	2520
1009446.537	882334.522	2640
1009446.677	882332.988	2640
1009446.143	882331.72	2340
1009446.299	882330.576	3480
1009446.675	882330.197	2640
1009446.37	882330.95	2640
1009446.271	882331.41	2520
1009446.548	882331.561	2340
1009446.237	882332.07	2820
1009446.04	882332.599	2880
1009446.383	882332.706	2640
1009446.655	882332.858	2880
1009446.368	882333.302	2700
1009446.554	882333.085	2520
1009446.361	882332.67	2940
1009445.939	882332.609	2760
1009447.066	882332.346	2340
1009447.446	882332.232	2220
1009447.47	882332.263	1980
1009447.015	882332.36	2940
1009446.772	882332.451	2160
1009446.678	882332.619	2400
1009446.548	882332.74	2820
1009446.496	882332.752	2880
1009446.508	882332.755	2760
1009446.476	882332.883	2940
1009446.544	882332.83	2760
1009446.875	882332.168	3060
1009446.594	882332.433	2700
1009446.381	882332.733	2220
1009446.371	882332.876	2460
1009446.575	882332.849	2880
1009446.758	882332.727	2220

Easting	Northing	CPM
1009342.918	882239.31	2700
1009342.895	882239.486	2640
1009342.939	882239.785	2760
1009342.441	882239.97	2520
1009341.789	882239.916	2760
1009340.764	882240.418	2880
1009339.386	882241.337	2520
1009337.861	882242.61	3000
1009336.474	882243.959	2400
1009334.699	882244.248	2520
1009333.222	882244.773	2100
1009331.381	882244.603	1860
1009330.267	882244.85	2040
1009329.655	882246.308	2040
1009328.276	882247.861	1860
1009327.865	882249.327	2460
1009326.677	882250.352	2760
1009326.053	882251.704	2520
1009324.81	882252.878	1980
1009324.382	882254.199	2520
1009323.779	882255.817	2460
1009323.767	882257.345	2460
1009323.089	882259.443	2100
1009323.039	882261.422	1800
1009322.721	882263.433	2400
1009322.202	882265.372	2400
1009322.309	882267.091	1740
1009322.016	882269.199	2160
1009322.383	882271.455	2640
1009322.245	882273.175	1980
1009322.215	882274.784	2280
1009322.384	882276.359	2340
1009321.966	882278.339	2700
1009322.186	882280.019	2880
1009322.105	882281.645	2760
1009321.897	882283.377	2700
1009321.717	882285.012	2460
1009321.346	882286.958	2340
1009321.433	882288.491	3300
1009320.987	882290.648	2820



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009446.975	882332.587	2340
1009447.327	882333.094	3180
1009447.251	882333.604	2700
1009447.264	882333.717	2820
1009447.738	882333.524	2220
1009447.431	882334.026	2160
1009447.149	882333.259	2460
1009446.429	882332.975	2700
1009445.862	882333.029	2640
1009446.211	882332.586	2700
1009445.509	882332.427	2760
1009445.059	882332.399	2700
1009445.802	882331.794	2940
1009445.829	882331.357	2160
1009445.928	882331	2520
1009446.179	882330.687	2820
1009446.129	882330.674	2520
1009445.95	882330.936	2220
1009445.709	882331.149	1860
1009445.639	882331.259	2220
1009445.899	882330.983	2400
1009445.892	882330.462	2100
1009446.157	882329.731	2460
1009446.073	882329.133	2640
1009446.136	882328.512	2640
1009446.063	882327.86	2640
1009446.151	882327.09	2340
1009446.182	882326.112	2640
1009446.496	882324.911	2700
1009446.293	882323.787	2580
1009446.243	882322.933	2100
1009445.935	882321.964	2340
1009446.197	882321.04	2220
1009446.118	882320.029	2220
1009446.41	882318.997	2160
1009446.416	882318.093	3000
1009446.577	882317.216	2460
1009446.409	882316.269	2820
1009446.468	882315.41	2460
1009446.401	882314.678	2640

Easting	Northing	CPM
1009321.24	882292.37	2760
1009321.063	882294.089	2400
1009321.233	882296.009	2460
1009321.936	882297.874	2640
1009321.848	882300.29	3120
1009322.027	882302.166	2400
1009321.485	882304.235	2460
1009321.822	882305.715	3000
1009321.859	882307.423	2700
1009322.574	882308.918	2520
1009322.463	882310.606	2640
1009322.249	882312.452	2880
1009322.344	882314.445	2700
1009322.376	882315.88	2700
1009322.516	882316.589	2640
1009322.523	882316.722	2340
1009322.474	882317.393	2820
1009322.231	882318.863	2820
1009322.537	882320.754	2520
1009322.189	882322.804	2640
1009322.444	882324.681	2640
1009322.376	882326.806	2940
1009322.436	882328.737	3120
1009322.694	882330.625	3000
1009322.507	882332.362	2760
1009322.865	882334.385	2700
1009323.048	882336.284	3060
1009323.51	882338.215	2760
1009323.338	882340.483	2340
1009323.743	882342.265	2460
1009323.341	882343.691	2700
1009323.82	882345.011	2400
1009323.881	882346.545	2460
1009324.407	882348.331	2700
1009324.353	882350.05	2580
1009325.138	882351.717	2880
1009325.327	882353.417	3000
1009326.098	882354.84	3660
1009326.597	882356.675	2820
1009327.555	882358.28	3000

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009446.289	882313.904	2820
1009446.434	882313.236	3240
1009446.582	882313.115	2880
1009446.539	882313.507	2520
1009446.486	882313.424	2880
1009445.612	882312.527	2520
1009445.953	882311.87	3240
1009445.874	882310.98	2940
1009445.573	882310.302	2220
1009445.552	882309.539	2820
1009445.173	882308.903	2820
1009445.349	882308.076	2760
1009445.177	882307.314	2460
1009445.119	882306.25	2400
1009444.909	882305.014	2280
1009444.386	882303.43	2400
1009444.365	882301.836	2580
1009443.85	882300.733	2820
1009443.75	882299.865	2460
1009443.336	882299.02	2640
1009443.197	882298.106	2640
1009442.688	882297	2880
1009442.77	882295.989	2940
1009442.383	882295.013	2640
1009442.538	882294.048	3120
1009442.223	882293.138	2640
1009442.512	882292.277	2640
1009442.163	882291.223	2520
1009442.371	882290.195	3180
1009442.178	882289.095	2640
1009442.372	882287.967	3000
1009441.967	882286.914	2820
1009442.126	882285.691	2760
1009441.594	882284.816	2700
1009441.716	882283.551	2580
1009441.208	882282.296	2520
1009441.464	882281.074	2640
1009441.053	882280.195	2640
1009441.073	882279.076	2580
1009440.64	882278.121	2280

Easting	Northing	CPM
1009327.926	882360.205	2640
1009328.453	882361.488	2520
1009329.058	882363.128	2760
1009329.442	882364.963	3180
1009329.607	882366.725	2880
1009329.515	882368.893	2460
1009329.944	882370.563	2280
1009329.737	882372.53	2580
1009330.268	882374.213	2700
1009330.378	882376.188	2820
1009330.817	882378.032	2340
1009331.184	882380.002	2820
1009331.515	882382.486	2160
1009332.217	882384.45	2700
1009332.503	882386.673	2520
1009333.39	882388.168	2700
1009333.851	882389.711	2760
1009334.473	882391.365	2220
1009334.692	882393.055	1860
1009335.099	882394.757	2220
1009335.543	882396.44	2280
1009336.144	882398.125	2340
1009336.739	882399.972	2520
1009337.571	882401.933	3060
1009338.466	882403.45	2400
1009339.154	882405.581	2340
1009340.116	882407.675	2280
1009340.43	882409.872	2460
1009341.406	882411.542	2580
1009341.328	882412.92	2520
1009341.919	882414.376	2580
1009342.332	882416.577	3000
1009343.228	882419.127	2220
1009344.036	882421.109	2580
1009344.642	882423.353	2340
1009345.79	882425.176	2940
1009346.391	882427.308	2700
1009346.926	882429.999	2460
1009347.982	882432.363	2460
1009348.372	882435.002	2820

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009440.836	882277.099	2340
1009440.397	882276.041	2880
1009440.288	882274.732	2520
1009439.842	882273.725	2160
1009440.188	882272.503	2040
1009439.807	882271.509	2220
1009440.024	882270.589	2160
1009439.591	882269.443	2880
1009439.703	882268.375	2760
1009438.878	882267.309	2400
1009438.391	882266.14	2460
1009438.122	882265.243	2580
1009437.673	882264.368	2940
1009437.698	882263.363	1980
1009437.412	882262.183	1920
1009437.971	882260.913	2700
1009437.606	882260.001	2340
1009437.67	882258.788	2880
1009437.037	882257.746	2340
1009437.51	882256.914	1920
1009437.477	882256.073	2160
1009437.847	882255.985	2280
1009438.623	882256.049	2760
1009438.801	882256.125	2040
1009437.907	882256.526	2220
1009437.508	882255.981	2580
1009436.995	882255.181	2280
1009436.761	882253.782	2400
1009436.031	882252.421	2220
1009436.254	882251.167	2460
1009435.821	882250.013	2520
1009435.806	882248.514	2220
1009435.007	882247.59	2820
1009434.389	882246.06	2460
1009433.091	882245.804	2340
1009431.724	882244.817	2220
1009430.367	882245.201	2280
1009429.263	882244.334	2580
1009428.969	882243.939	2460
1009429.127	882244.72	3180

Easting	Northing	CPM
1009349.421	882436.979	2580
1009350.232	882438.758	2100
1009351.11	882440.803	2700
1009352.323	882442.767	2220
1009353.3	882444.916	2760
1009354.828	882446.638	2400
1009355.786	882448.685	2460
1009356.895	882450.923	2640
1009359.021	882453.249	2040
1009359.733	882454.862	2820
1009359.825	882455.95	2760
1009359.936	882457.385	3000
1009361.007	882458.91	2760
1009361.411	882460.886	3000
1009361.844	882461.861	2460
1009361.973	882462.069	2220
1009361.489	882462.336	2580
1009361.115	882462.015	2340
1009360.898	882461.609	2100
1009360.893	882461.438	2100
1009361.641	882461.66	1920
1009363.289	882462.079	2640
1009364.05	882463.326	2400
1009364.8	882464.846	2280
1009365.186	882466.852	2640
1009365.825	882468.685	2340
1009366.564	882470.398	2700
1009367.014	882472	2280
1009367.918	882473.577	1920
1009368.694	882475.828	2520
1009369.95	882476.875	2700
1009370.761	882478.542	2460
1009372.283	882480.026	2040
1009372.98	882481.482	2400
1009373.744	882482.632	2520
1009374.236	882484.239	2760
1009375.228	882485.289	2580
1009375.289	882486.612	2340
1009376.208	882487.7	2340
1009376.459	882489.565	3000

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009428.617	882244.187	2940
1009428.275	882243.818	2580
1009428.242	882244.07	2640
1009427.196	882244.492	2640
1009426.967	882245.19	2880
1009426.049	882246.291	2820
1009426.281	882247.161	3120
1009425.678	882248.393	3180
1009426.399	882249.025	2460
1009426.482	882250.421	2520
1009427.526	882251.511	2760
1009427.043	882252.718	2640
1009427.582	882253.474	2880
1009427.473	882254.665	2760
1009428.062	882255.856	2820
1009427.816	882257.082	2640
1009428.104	882257.869	3060
1009428.07	882259.143	2460
1009428.994	882260.198	2760
1009429.069	882261.557	2340
1009429.872	882262.839	2580
1009429.528	882263.999	2220
1009429.895	882265.039	2100
1009429.555	882266.223	2400
1009430.22	882267.379	2520
1009430.057	882268.745	2580
1009430.852	882269.628	2580
1009430.725	882270.984	2100
1009431.251	882272.164	2520
1009430.598	882273.406	2460
1009430.859	882274.455	2220
1009430.707	882275.906	2640
1009431.688	882277.025	2580
1009431.397	882278.181	2640
1009431.998	882279.141	2820
1009431.651	882280.24	2460
1009432.144	882281.472	2340
1009431.923	882282.791	2460
1009432.331	882283.748	2160
1009432.174	882284.957	2340

Easting	Northing	CPM
1009377.301	882491.12	2820
1009378.083	882492.654	2940
1009379.208	882494.193	2880
1009380.254	882495.743	2880
1009381.171	882497.657	2340
1009382.231	882498.825	2220
1009383.353	882500.233	2100
1009384.64	882501.306	3000
1009385.341	882502.282	2640
1009385.824	882503.097	2700
1009386.428	882504.473	2160
1009387.345	882505.265	3180
1009379.753	882520.246	2700
1009379.758	882519.482	3000
1009379.541	882518.846	2820
1009379.29	882517.937	2760
1009379.104	882517.026	2880
1009379.001	882515.924	2700
1009378.797	882514.989	2280
1009378.735	882514.339	3060
1009378.931	882513.529	2340
1009378.931	882513.245	2460
1009378.712	882512.995	3180
1009378.189	882513.481	2880
1009378.243	882513.223	3240
1009378.699	882512.727	2880
1009378.749	882513.038	2460
1009378.648	882512.391	2460
1009377.799	882511.627	2340
1009377.362	882510.702	2460
1009376.742	882509.924	3120
1009376.478	882509.167	3060
1009376.32	882508.465	3120
1009376	882508.446	3120
1009376.375	882507.791	2760
1009376.347	882507.074	2640
1009376.101	882506.679	2580
1009375.895	882506.189	2580
1009375.488	882505.701	3000
1009374.994	882504.92	2760

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009432.723	882285.926	2220
1009432.626	882287.128	2340
1009432.932	882288.194	2280
1009432.369	882289.24	2280
1009432.631	882290.347	2160
1009432.457	882291.882	2580
1009433.186	882293.425	2940
1009433.109	882294.748	2820
1009433.43	882295.804	2340
1009433.007	882297.136	2280
1009433.38	882298.313	2520
1009433.123	882299.548	2520
1009433.393	882300.721	2460
1009433.244	882301.935	2760
1009433.747	882302.98	2580
1009433.547	882304.456	2280
1009434.146	882305.516	2100
1009433.957	882306.835	2400
1009434.629	882307.945	2700
1009434.385	882309.127	2700
1009434.807	882310.206	2580
1009434.913	882311.553	2280
1009435.665	882312.86	2880
1009435.318	882314.206	2640
1009436.082	882315.544	2820
1009435.311	882316.959	2460
1009436.126	882318.091	2460
1009436.06	882319.342	2520
1009436.528	882320.408	2460
1009436.531	882321.609	2340
1009436.917	882322.995	2400
1009436.905	882324.039	2340
1009436.841	882324.902	2520
1009437.164	882325.908	2520
1009437.121	882327.163	2580
1009437.79	882328.535	3060
1009437.494	882329.935	3180
1009438.106	882330.973	3180
1009437.941	882332.143	2700
1009438.572	882333.289	2940

Easting	Northing	CPM
1009374.443	882504.339	2520
1009373.816	882503.724	2640
1009373.223	882502.796	2760
1009372.543	882502.141	2940
1009371.91	882501.358	3240
1009371.095	882501.031	3000
1009370.616	882501.052	2880
1009370.685	882500.277	2640
1009370.452	882500.131	3180
1009370.973	882499.781	3120
1009371.116	882499.511	2580
1009370.698	882499.615	2640
1009370.576	882498.949	2940
1009370.074	882498.487	3000
1009369.819	882498.548	3180
1009370.17	882498.193	3000
1009370.424	882498.021	2880
1009370.374	882498.212	3720
1009370.341	882498.259	2940
1009370.378	882498.212	3180
1009370.419	882498.201	3360
1009370.473	882498.067	2580
1009370.29	882498.145	3420
1009370.261	882498.354	3480
1009370.302	882498.414	3060
1009370.28	882498.517	2640
1009370.471	882498.738	3120
1009370.047	882498.182	2640
1009369.358	882497.734	2520
1009368.868	882498.137	2760
1009368.836	882498.485	3240
1009368.942	882498.521	2940
1009368.919	882498.546	2580
1009368.922	882498.526	2820
1009368.939	882498.521	3420
1009368.928	882498.535	3120
1009368.915	882498.485	2940
1009368.895	882498.47	3240
1009368.942	882498.432	2580
1009368.904	882498.491	2580

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009438.075	882334.605	2820
1009438.807	882335.844	2520
1009438.817	882336.944	2700
1009439.073	882337.791	3120
1009439.39	882338.674	2940
1009439.517	882339.783	2580
1009439.725	882340.826	2760
1009439.858	882341.789	2460
1009439.794	882342.947	2520
1009440.161	882344.095	2400
1009440.167	882345.484	1980
1009440.653	882346.882	2520
1009440.436	882348.222	2280
1009440.765	882349.145	2400
1009441.23	882350.333	2940
1009442.009	882351.458	2220
1009442.308	882353.063	2340
1009442.763	882354.2	2520
1009442.568	882355.515	2760
1009442.599	882356.751	2460
1009442.515	882358.31	2580
1009442.528	882359.994	2460
1009442.971	882361.769	2220
1009443.284	882363.164	2280
1009443.753	882364.676	2640
1009444.025	882366.484	2580
1009444.676	882367.565	2160
1009444.559	882369.024	2100
1009445.127	882370.118	2040
1009445.107	882371.435	2040
1009445.689	882372.736	2580
1009445.577	882374.006	2640
1009445.739	882375.004	2100
1009445.398	882376.239	2040
1009445.916	882377.369	2040
1009445.667	882378.361	2460
1009446.079	882379.467	2040
1009445.783	882380.819	2220
1009445.893	882382.312	2040
1009445.859	882383.499	2160

Easting	Northing	CPM
1009368.729	882497.884	3000
1009368.336	882497.134	3180
1009368.178	882496.941	2640
1009367.781	882496.418	2700
1009367.527	882495.506	2340
1009366.849	882495.181	2760
1009366.426	882494.655	3180
1009365.961	882494.308	2880
1009365.639	882494.348	3060
1009365.353	882493.811	2880
1009364.812	882492.991	2940
1009363.858	882492.571	3120
1009363.419	882491.957	2880
1009363.008	882491.551	3420
1009362.887	882490.995	2640
1009362.619	882490.585	2340
1009362.363	882489.622	2580
1009361.748	882488.911	2400
1009361.053	882488.851	2520
1009360.794	882488.193	2580
1009360.105	882487.829	2520
1009359.428	882486.86	3720
1009358.53	882486.679	2640
1009358.699	882486.459	2280
1009359.06	882486.475	2940
1009359.218	882486.808	2580
1009359.232	882487.004	3000
1009359.11	882487.081	2700
1009359.067	882487.06	2820
1009359.02	882487.034	2280
1009359.507	882486.387	2580
1009359.967	882486.1	2700
1009360.051	882486.698	2940
1009360.368	882487.107	2700
1009360.492	882487.228	3000
1009360.412	882487.262	2820
1009360.382	882487.254	2640
1009360.416	882487.202	2040
1009360.254	882487.284	2460
1009359.485	882486.787	2880

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009445.625	882384.99	1860
1009445.748	882386.303	2400
1009445.573	882387.764	1920
1009445.786	882389.312	2280
1009445.36	882391.019	2880
1009445.908	882392.637	3240
1009445.623	882394.234	3300
1009445.961	882395.522	2280
1009445.649	882396.869	2760
1009445.965	882398.217	2520
1009445.473	882399.604	2700
1009445.944	882400.735	2400
1009445.426	882402.088	2280
1009445.776	882403.343	2220
1009445.361	882404.337	2820
1009445.135	882405.42	2460
1009445.054	882406.555	2400
1009444.736	882407.912	2400
1009444.873	882409.339	2280
1009444.344	882410.62	2100
1009444.842	882411.908	2340
1009444.041	882413.033	2460
1009444.206	882414.501	2520
1009443.63	882415.353	2340
1009444.019	882416.407	2640
1009444.115	882418.334	3060
1009444.976	882419.101	2880
1009445.128	882419.951	2940
1009445.815	882420.731	2280
1009446.051	882421.98	2640
1009446.225	882423.143	2640
1009445.791	882424.415	3180
1009446.074	882425.421	3000
1009446.005	882426.547	2640
1009446.632	882427.624	2940
1009446.45	882429.003	2640
1009447.262	882430.237	2880
1009447.111	882431.948	2460
1009447.919	882433.095	2460
1009448.239	882434.747	2460

Easting	Northing	CPM
1009358.264	882486.274	2640
1009357.638	882486.061	3000
1009357.65	882485.53	3180
1009357.296	882485.198	2400
1009356.91	882484.281	2580
1009356.391	882483.806	2580
1009356.055	882482.884	2580
1009355.451	882482.761	2880
1009355.237	882483.184	2700
1009355.382	882483.268	2640
1009355.419	882483.307	2880
1009355.534	882483.398	2520
1009355.578	882483.365	2520
1009355.441	882483.299	2460
1009355.118	882482.301	2400
1009354.117	882481.538	2220
1009353.592	882480.849	2400
1009353.201	882480.16	2160
1009352.593	882479.466	2820
1009351.8	882478.28	2580
1009350.903	882477.289	2700
1009350.097	882476.172	2760
1009349.167	882475.654	2880
1009348.43	882474.75	3000
1009347.527	882474.33	2460
1009347.311	882473.65	3360
1009347.28	882473.657	3120
1009328.745	882442.51	2460
1009330.426	882443.731	2820
1009332.098	882444.692	2400
1009333.523	882446.244	2820
1009335.255	882447.647	3000
1009336.406	882449.186	2700
1009337.706	882450.648	2880
1009338.423	882452.331	2460
1009339.548	882453.979	2640
1009340.501	882455.791	2760
1009341.605	882457.425	2340
1009343.468	882458.92	3000
1009344.482	882460.519	2820

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009449.302	882435.832	2820
1009449.352	882437.623	2760
1009450.709	882438.604	2640
1009450.706	882439.826	3240
1009450.856	882441.184	2820
1009450.322	882442.378	2460
1009450.13	882443.852	2880
1009449.687	882445.416	2280
1009450.046	882446.434	2460
1009450.216	882447.762	2520
1009450.424	882448.899	2640
1009450.511	882450.374	3300
1009450.356	882451.827	2220
1009450.814	882452.812	2340
1009451.346	882453.561	2760
1009451.921	882454.821	2940
1009452.744	882455.608	2760
1009452.503	882456.436	2520
1009452.866	882457.321	2340
1009452.703	882458.47	2160
1009453.028	882459.269	2400
1009453.73	882460.412	2280
1009454.285	882462.067	2520
1009455.36	882463.644	2760
1009455.513	882465.345	2460
1009456.11	882466.524	1920
1009456.288	882468.518	2580
1009457.319	882470.072	1980
1009457.158	882471.909	1980
1009458.398	882473.197	2220
1009458.563	882475.043	2640
1009459.288	882476.109	2220
1009458.969	882477.707	2220
1009458.952	882479.556	2700
1009457.73	882480.831	2580
1009457.45	882482.041	2580
1009456.619	882483.467	2700
1009455.851	882484.935	2340
1009389.617	882268.715	2760
1009390.139	882270.012	2580

Easting	Northing	CPM
1009345.385	882461.695	2820
1009346.471	882463.013	3060
1009347.855	882464.016	2760
1009349.236	882465.636	2760
1009350.908	882466.955	2940
1009351.475	882468.559	2760
1009352.009	882470.107	3300
1009352.447	882471.066	2820
1009352.35	882471.418	2220
1009351.77	882471.462	2760
1009351.193	882471.411	2580
1009351.274	882470.641	2580
1009351.077	882469.937	2880
1009350.606	882469.957	2760
1009350.774	882470.942	2100
1009351.642	882472.196	2640
1009352.683	882473.405	2940
1009353.69	882474.39	3120
1009354.512	882475.406	2340
1009355.084	882476.51	2520
1009355.443	882477.763	2400
1009355.703	882479.099	2340
1009355.776	882479.428	2520
1009355.67	882479.266	2520
1009355.565	882479.344	2700
1009355.5	882479.424	2700
1009355.477	882479.433	2640
1009355.938	882479.511	2640
1009356.874	882478.603	2700
1009358.136	882477.497	2760
1009359.068	882476.654	3120
1009359.281	882476.373	2760
1009359.212	882476.451	2040
1009359.072	882476.454	2520
1009358.59	882476.283	2340
1009358.747	882475.041	2040
1009358.192	882474.084	3180
1009357.995	882472.727	2640
1009357.57	882471.756	2340
1009357.03	882471.282	2760



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009390.175	882271.556	2280
1009390.421	882272.755	2580
1009390.328	882274.325	2760
1009390.488	882275.806	2160
1009390.487	882277.093	2220
1009390.487	882278.477	2340
1009390.546	882279.946	2520
1009389.999	882281.52	2460
1009390.081	882283.092	2280
1009389.969	882284.369	2040
1009390.408	882286.011	2520
1009390.837	882287.717	2400
1009391.011	882289.508	2460
1009391.544	882291.33	1860
1009391.36	882292.989	2340
1009391.923	882294.373	2400
1009391.785	882296.242	2700
1009392.681	882297.886	2460
1009392.389	882299.542	2820
1009392.883	882301.289	2280
1009392.62	882303.248	2280
1009392.958	882304.746	2160
1009393.038	882306.301	1980
1009393.248	882307.819	2580
1009393.369	882309.411	2520
1009393.509	882310.869	2700
1009393.919	882312.527	2280
1009394.089	882314.214	2400
1009394.47	882315.78	2700
1009394.066	882317.219	2520
1009394.212	882318.494	2460
1009394.054	882320.136	2460
1009394.594	882321.884	2220
1009394.55	882323.612	2580
1009394.887	882325.142	2820
1009394.412	882326.608	2160
1009394.861	882328.174	2520
1009394.727	882329.946	2340
1009395.117	882331.443	2520
1009394.584	882332.895	2340

Easting	Northing	CPM
1009357.21	882470.298	2280
1009356.954	882468.676	2220
1009356.967	882466.831	2400
1009356.217	882465.163	2880
1009355.856	882463.356	2640
1009355.079	882461.468	2520
1009354.426	882459.777	2280
1009354.085	882458.035	2580
1009353.62	882456.171	2640
1009353.395	882454.02	2940
1009352.517	882452.09	2220
1009351.702	882449.92	3060
1009350.735	882447.878	2820
1009350.326	882445.716	3300
1009350.126	882443.607	2700
1009349.634	882441.565	2520
1009349.402	882439.659	2340
1009348.83	882437.848	2760
1009348.738	882435.937	2400
1009348.564	882433.716	2340
1009348.417	882431.323	2580
1009348.505	882429.068	2220
1009348.244	882426.841	2040
1009348.195	882425.192	2340
1009347.802	882423.604	2940
1009346.364	882422.168	2640
1009345.489	882420.283	2520
1009344.182	882418.438	2820
1009347.253	882474.021	2940
1009347.321	882474.201	3000
1009347.382	882474.286	2760
1009347.453	882474.298	3060
1009347.478	882474.301	3120
1009347.444	882474.268	2940
1009347.424	882474.272	2700
1009347.271	882473.936	2520
1009346.998	882473.128	2640
1009346.578	882473.1	2880
1009346.23	882472.622	2940
1009345.639	882472.242	2460

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009394.312	882334.554	2640
1009394.717	882336.151	2580
1009394.149	882338.119	2940
1009394.497	882339.855	2880
1009393.923	882341.385	2520
1009394.164	882342.905	2460
1009393.78	882344.381	2100
1009394.031	882345.892	2400
1009394.486	882347.672	2160
1009395.624	882349.146	2280
1009396.787	882350.758	2460
1009397.638	882352.598	2700
1009454.932	882485.376	2400
1009454.149	882486.204	2520
1009453.555	882487.345	2700
1009452.689	882487.509	3120
1009451.977	882487.718	2040
1009450.768	882487.691	3000
1009449.874	882488.561	2580
1009449.109	882488.691	2520
1009448.485	882489.725	2220
1009447.524	882489.981	2520
1009446.038	882489.866	2580
1009445.539	882488.973	2520
1009445.028	882487.621	2700
1009444.474	882486.428	2460
1009443.781	882485.064	2280
1009443.159	882483.875	2640
1009442.972	882482.512	2340
1009442.377	882481.454	2460
1009441.999	882480.146	2700
1009440.681	882479.175	2820
1009440.331	882477.726	2340
1009439.427	882476.639	2760
1009439.492	882475.416	2400
1009438.759	882474.17	2460
1009438.752	882472.685	2760
1009437.614	882471.698	2700
1009437.587	882470.277	2880
1009436.628	882468.969	3180

Easting	Northing	CPM
1009345.331	882471.558	2760
1009344.765	882470.598	2640
1009344.285	882469.564	2100
1009343.667	882468.555	2760
1009343.204	882467.658	2520
1009342.8	882466.8	2160
1009342.491	882465.992	2460
1009341.634	882464.981	2340
1009340.415	882464.063	2580
1009339.509	882463.023	2640
1009339.073	882461.817	2220
1009338.859	882460.434	2520
1009338.485	882458.744	2640
1009337.572	882457.285	2700
1009336.872	882456.114	2520
1009335.418	882454.9	2340
1009334.36	882453.707	2520
1009333.172	882452.788	2700
1009332.549	882451.464	2460
1009332.288	882450.158	3120
1009332.107	882448.874	2700
1009331.804	882447.67	2640
1009332.138	882446.378	2760
1009332.138	882444.793	2280
1009332.408	882443.197	2520
1009332.473	882441.94	2220
1009332.352	882440.193	2340
1009331.674	882438.91	2280
1009330.978	882437.636	1920
1009329.87	882436.866	2100
1009328.474	882435.988	2580
1009326.996	882435.623	2160
1009325.386	882435.026	2520
1009323.566	882434.379	2040
1009321.831	882433.333	2580
1009320.51	882432.607	2580
1009319.284	882431.968	2640
1009317.995	882431.295	2640
1009316.672	882430.506	2940
1009315.004	882429.936	2400

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009436.801	882467.371	3060
1009435.92	882466.405	2880
1009435.922	882465.26	2460
1009435.628	882464.316	2100
1009435.78	882463.241	2280
1009435.134	882462.247	2280
1009434.934	882460.62	2520
1009434.079	882459.235	2580
1009434.227	882457.771	2580
1009433.331	882456.494	2940
1009433.183	882454.972	2520
1009432.443	882453.773	2460
1009431.908	882452.53	2820
1009431.156	882451.41	2580
1009430.743	882449.639	2700
1009430.19	882448.284	2760
1009429.56	882447.363	2820
1009429.963	882445.953	2340
1009429.426	882444.646	2580
1009428.705	882443.404	3060
1009428.357	882442.29	2520
1009427.433	882441.378	2520
1009427.551	882439.874	1860
1009427.311	882438.797	2040
1009427.772	882437.527	2280
1009428.09	882435.942	2580
1009428.016	882434.502	2220
1009428.287	882432.75	2340
1009427.986	882431.057	2280
1009428.128	882429.522	2400
1009427.995	882427.932	2580
1009428.046	882425.978	2280
1009427.676	882424.318	2580
1009427.216	882422.759	2520
1009427.195	882421.215	2400
1009426.635	882420.019	2400
1009426.503	882418.544	2580
1009426.445	882417.136	2580
1009426.817	882415.712	2700
1009425.954	882414.429	2220

Easting	Northing	CPM
1009313.893	882429.086	2040
1009312.58	882428.618	2100
1009311.132	882427.814	2220
1009309.545	882426.649	2280
1009308.588	882425.086	2460
1009308.42	882423.715	2340
1009308.62	882421.983	2400
1009309.111	882420.319	2520
1009309.289	882418.639	2460
1009310.072	882416.979	2820
1009309.893	882415.331	2640
1009309.713	882413.556	2700
1009308.994	882412.554	2580
1009308.058	882411.237	2940
1009306.903	882410.415	2640
1009305.816	882409.417	2640
1009304.483	882408.698	2940
1009303.082	882407.723	2940
1009301.866	882407.426	2880
1009300.033	882406.941	2580
1009298.167	882406.759	2400
1009296.991	882405.821	2220
1009296.147	882404.345	2580
1009295.933	882403.083	2820
1009296.11	882401.896	2580
1009296.454	882400.432	2700
1009297.016	882398.648	2820
1009297.524	882397.724	2640
1009297.893	882397.591	2880
1009297.975	882397.495	2940
1009298.035	882397.554	2520
1009298.024	882397.578	2220
1009297.995	882397.535	2160
1009298.029	882397.464	2160
1009297.815	882396.792	2520
1009298.216	882395.524	2340
1009298.42	882393.851	2520
1009299.321	882392.463	2460
1009299.585	882390.975	2340
1009300.065	882389.572	2460

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009425.91	882412.796	2160
1009424.833	882411.279	2160
1009424.996	882409.823	2640
1009424.186	882408.538	2340
1009424.43	882407.225	2460
1009424.023	882406.006	2400
1009424.307	882404.719	2520
1009423.919	882403.201	2100
1009424.208	882401.766	2100
1009423.658	882400.299	1800
1009424.277	882398.972	1920
1009424.007	882397.868	2700
1009423.99	882396.236	2580
1009423.406	882395.085	2520
1009423.22	882393.911	2520
1009422.899	882392.656	2280
1009422.765	882391.103	2160
1009422.314	882389.913	2100
1009422.456	882388.793	2040
1009421.998	882387.842	2460
1009421.622	882386.492	2220
1009420.836	882385.292	1560
1009420.581	882383.866	2280
1009420.03	882382.379	1920
1009419.719	882380.76	1920
1009419.187	882379.351	1740
1009419.004	882377.586	1740
1009418.449	882376.223	1740
1009418.236	882374.312	1860
1009417.525	882372.844	2040
1009417.42	882371.179	2220
1009416.811	882369.699	1920
1009416.905	882368.225	1740
1009416.543	882367.061	2280
1009416.457	882365.877	2040
1009416.204	882364.531	1980
1009415.896	882363.466	1740
1009415.899	882362.055	1680
1009415.458	882361.011	1620
1009415.608	882359.657	1920

Easting	Northing	CPM
1009300.284	882388.117	2520
1009300.654	882386.532	3120
1009300.444	882385.424	2520
1009299.752	882383.841	2280
1009298.944	882383.551	2160
1009297.389	882383.38	2400
1009295.684	882384.111	2640
1009293.932	882383.973	2700
1009292.356	882384.23	2400
1009290.701	882384.161	2040
1009289.157	882384.672	2580
1009287.579	882384.486	2820
1009285.954	882384.677	2580
1009285.219	882384.27	2940
1009285.207	882382.586	2460
1009285.649	882381.02	2400
1009287.304	882380.548	2220
1009288.547	882379.655	2460
1009290.205	882379.155	2460
1009291.778	882378.443	2820
1009293.371	882377.552	2760
1009294.854	882376.517	2820
1009296.148	882375.33	2700
1009297.787	882374.416	3060
1009298.389	882373.636	2760
1009298.305	882373.341	2880
1009299.262	882372.559	3120
1009299.969	882372.173	2700
1009300.282	882372.364	2520
1009300.594	882372.459	2460
1009300.774	882372.439	2640
1009299.803	882372.131	2160
1009298.22	882372.369	2280
1009296.493	882371.777	3060
1009294.809	882371.559	3060
1009293.339	882370.939	2760
1009291.927	882371.004	2580
1009290.583	882370.926	2400
1009289.114	882371.533	2580
1009287.625	882371.696	2820

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009415.043	882358.211	1320
1009415.369	882356.997	1500
1009414.934	882355.825	1800
1009415.073	882354.416	1740
1009414.452	882353.192	1200
1009414.274	882351.99	1800
1009413.797	882350.436	1740
1009413.865	882349.365	1920
1009413.768	882348.132	1860
1009413.967	882346.45	1620
1009413.396	882345.104	1560
1009412.993	882343.163	2340
1009411.875	882341.816	2460
1009411.763	882340.478	2340
1009411.134	882339.163	2520
1009411.29	882337.799	2640
1009410.791	882336.582	2580
1009410.847	882335.121	3420
1009410.054	882333.917	2820
1009410.177	882332.673	2160
1009409.871	882331.386	1920
1009410	882329.869	2160
1009409.905	882328.411	2220
1009409.675	882326.898	2400
1009409.479	882325.432	2400
1009409.008	882324.015	2340
1009408.768	882322.326	3060
1009408.185	882321.372	2220
1009408.349	882320.242	2760
1009407.879	882319.066	2400
1009408.188	882317.454	2340
1009407.355	882316.308	2340
1009407.154	882314.904	2520
1009406.404	882313.235	2100
1009406.998	882311.525	2100
1009406.418	882310.049	2580
1009406.916	882308.781	2280
1009406.579	882307.716	2400
1009406.714	882306.238	2220
1009405.875	882304.822	2580

Easting	Northing	CPM
1009287.201	882371.512	2880
1009287.364	882371.617	3000
1009286.963	882371.439	2760
1009286.056	882371.278	2400
1009285.955	882371.336	3060
1009287.086	882371.709	2880
1009287.087	882371.998	2460
1009285.802	882372.293	2820
1009284.251	882372.986	2820
1009282.953	882373.386	2280
1009281.154	882372.879	2460
1009279.493	882373.397	2760
1009278.344	882373.953	2520
1009278.01	882373.218	2820
1009277.395	882372.816	2580
1009277.526	882371.881	2580
1009277.074	882371.227	2400
1009276.628	882371.118	2700
1009276.681	882371.082	2280
1009277.11	882370.602	2520
1009278.24	882370.078	2160
1009278.67	882368.655	1800
1009279.913	882368.028	2820
1009281.887	882367.239	2640
1009282.97	882367.939	2880
1009284.477	882368.16	2640
1009285.607	882369.123	2580
1009287.146	882370.233	3240
1009287.835	882371.539	2700
1009288.612	882372.602	2940
1009288.825	882373.82	2880
1009289.865	882374.993	2820
1009290.283	882377.215	2700
1009291.282	882378.623	2400
1009291.635	882380.033	2280
1009292.413	882381.277	2400
1009292.719	882382.948	2400
1009293.274	882384.409	1740
1009293.322	882386.423	2340
1009293.798	882387.878	3240

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009406.088	882303.407	3120
1009405.295	882301.909	3060
1009405.514	882300.615	2220
1009404.994	882299.074	2940
1009405.184	882297.589	3000
1009404.736	882296.164	2580
1009405.008	882294.592	2760
1009404.764	882293.391	2520
1009404.541	882292.276	2460
1009404.478	882291.011	2400
1009404.109	882290.098	3000
1009404.464	882289.197	2400
1009403.72	882288.251	2580
1009403.909	882287.074	2820
1009403.643	882286.437	2400
1009404.066	882285.203	2820
1009403.766	882284.14	2640
1009403.812	882282.824	2640
1009403.535	882281.607	2700
1009403.221	882280.162	2220
1009403.355	882278.583	2220
1009403.167	882276.92	2760
1009403.32	882275.723	2940
1009403.316	882275.033	2760
1009403.163	882274.925	2760
1009403.367	882275.131	2340
1009403.403	882275.125	2760
1009403.492	882274.628	2520
1009403.52	882273.558	2520
1009403.155	882272.683	2340
1009403.4	882271.506	2280
1009403.041	882270.367	2700
1009402.802	882269.323	2520
1009402.62	882268.377	2940
1009402.217	882267.119	2400
1009401.859	882265.876	2820
1009401.661	882264.613	2520
1009401.805	882263.242	2940
1009401.488	882261.839	2640
1009401.669	882260.312	2520

Easting	Northing	CPM
1009294.512	882389.056	2820
1009294.773	882390.858	2580
1009295.574	882392.108	2580
1009295.919	882393.624	2700
1009296.62	882395.096	2400
1009297.13	882396.598	2640
1009297.85	882397.969	2340
1009298.529	882399.383	2400
1009299.247	882400.414	2100
1009300.032	882401.921	2220
1009301.432	882402.929	2160
1009302.589	882404.27	2340
1009303.74	882405.706	1740
1009304.742	882406.996	2400
1009305.934	882408.498	2580
1009306.959	882409.936	2280
1009307.904	882411.787	2640
1009309.262	882413.43	2220
1009310.102	882415.152	2220
1009311.481	882416.522	2580
1009312.448	882417.896	2880
1009313.541	882419.628	2220
1009314.097	882421.322	2160
1009314.8	882422.942	2640
1009315.647	882424.226	3000
1009316.888	882425.168	2820
1009317.299	882425.669	1980
1009316.917	882425.65	2280
1009316.682	882425.56	2340
1009316.656	882425.523	2400
1009316.757	882426.227	2580
1009317.893	882426.225	2940
1009318.891	882425.905	2760
1009318.564	882426.693	2700
1009318.632	882428.367	2220
1009320.065	882430	2640
1009321.074	882431.388	2640
1009322.146	882432.434	2940
1009322.874	882433.633	2400
1009323.66	882435.154	2460

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009401.107	882258.585	2580
1009401.476	882256.584	3000
1009400.874	882255.528	2640
1009400.937	882254.313	2400
1009400.88	882253.091	2460
1009401.318	882251.644	2640
1009401.047	882250.404	3060
1009400.859	882248.761	2460
1009400.289	882247.359	2280
1009398.973	882246.964	1920
1009397.756	882245.959	2040
1009396.389	882245.725	2040
1009394.574	882245.214	1920
1009392.895	882245.507	2100
1009391.163	882245.967	2160
1009389.826	882246.556	1980
1009388.98	882247.89	2520
1009388.488	882249.371	2880
1009388.635	882251.113	2700
1009388.512	882252.997	2640
1009388.902	882254.664	2460
1009388.524	882256.455	2580
1009388.947	882257.994	2460
1009388.468	882260.045	2220
1009389.209	882261.588	1800
1009389.022	882263.474	2160
1009389.389	882265.259	2820
1009389.674	882266.93	2820
1009398.765	882354.353	2700
1009399.135	882356.091	2940
1009399.274	882357.277	2520
1009399.062	882358.394	2400
1009399.291	882359.609	2820
1009398.962	882360.919	3000
1009399.246	882362.061	2580
1009399.236	882363.652	1980
1009399.971	882364.859	2340
1009399.892	882366.518	3180
1009400.708	882367.8	2640
1009400.729	882369.185	2520

Easting	Northing	CPM
1009324.247	882436.842	2760
1009325.397	882438.256	2460
1009326.298	882439.85	2340
1009327.346	882441.229	2520
1009342.824	882416.555	2340
1009341.797	882414.383	2160
1009340.201	882412.47	2100
1009339.332	882410.432	1980
1009337.88	882408.59	2040
1009336.87	882406.233	2580
1009335.933	882404.164	2340
1009335.004	882401.83	1920
1009334.817	882399.44	2460
1009334.113	882397.546	2640
1009333.375	882394.866	2220
1009332.837	882392.032	2220
1009332.134	882389.846	2040
1009331.483	882387.04	2220
1009331.009	882384.345	2820
1009329.975	882381.422	2280
1009328.557	882379.218	2760
1009327.558	882376.658	3000
1009326.817	882373.782	2700
1009326.05	882371.26	2760
1009325.791	882368.651	2280
1009326.171	882365.687	2580
1009326.104	882363.189	2220
1009325.811	882360.67	3060
1009325.565	882357.564	2760
1009324.715	882355.419	2280
1009323.338	882352.961	2580
1009322.333	882350.242	2460
1009321.265	882347.436	2580
1009319.816	882344.705	2400
1009319.293	882341.963	2400
1009319.232	882339.437	2520
1009318.627	882336.661	2220
1009318.469	882334.344	2460
1009318.146	882332.169	2760
1009317.63	882329.962	3120

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009401.029	882370.646	3120
1009400.838	882372.103	2700
1009401.198	882373.631	2700
1009401.091	882375.149	2280
1009401.782	882375.863	1980
1009402.243	882375.921	2220
1009402.209	882375.845	1920
1009402.271	882375.811	2520
1009402.315	882376.224	2280
1009402.571	882377.36	1980
1009403.236	882377.797	1680
1009402.681	882378.926	2400
1009403.144	882380.09	2460
1009403.448	882381.791	2640
1009404.13	882383.312	2460
1009404.213	882385.02	2700
1009404.238	882386.698	2580
1009404.704	882388.331	2640
1009404.474	882390.496	2460
1009405.011	882392.087	2340
1009405.027	882393.871	2640
1009406.077	882395.358	2940
1009406.264	882396.846	2160
1009407.191	882398.176	1920
1009407.545	882400.019	1920
1009408.366	882401.275	2220
1009408.874	882403.137	2580
1009409.025	882404.007	2700
1009408.364	882403.913	3000
1009407.659	882403.594	2940
1009407.557	882403.531	2580
1009408.06	882403.966	2700
1009409.365	882404.449	3000
1009409.851	882405.538	2520
1009410.926	882406.671	2700
1009411.035	882407.91	3120
1009411.865	882409.203	2820
1009412.132	882410.648	2820
1009412.85	882412.02	1980
1009413.016	882413.548	2040

Easting	Northing	CPM
1009317.654	882327.578	2700
1009317.15	882325.291	2220
1009316.549	882322.639	3120
1009316.435	882319.832	2700
1009316.242	882317.292	2220
1009315.908	882314.729	2220
1009316.313	882311.993	2460
1009316.99	882309.224	2220
1009317.148	882306.947	2760
1009317.44	882305.719	2820
1009317.695	882305.471	3120
1009317.503	882305.646	2760
1009317.281	882305.726	2700
1009317.184	882305.704	2460
1009317.193	882305.263	2940
1009317.268	882305.335	2520
1009317.267	882305.611	2760
1009317.253	882305.447	2520
1009317.325	882303.824	2460
1009317.791	882301.202	2640
1009318.495	882298.17	2580
1009319.571	882295.124	2700
1009321.005	882292.358	2400
1009321.878	882289.782	2400
1009321.561	882286.872	2760
1009320.833	882284.047	2940
1009320.755	882281.378	3060
1009320.466	882278.253	2640
1009319.847	882275.541	2100
1009319.735	882272.912	2400
1009320.296	882269.637	2280
1009320.314	882266.757	2280
1009319.938	882263.896	3180
1009320.448	882261.171	2520
1009320.793	882258.109	2880
1009320.622	882255.674	2820
1009320.521	882254.955	2160
1009320.521	882254.955	2280
1009320.521	882254.955	3060
1009320.521	882254.955	2400



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009413.559	882414.958	2520
1009413.597	882416.424	2040
1009414.087	882417.902	2100
1009414.535	882419.596	1980
1009415.121	882421.717	2280
1009415.905	882423.196	2340
1009416.176	882424.947	2520
1009417.289	882426.459	2400
1009417.781	882428.214	2460
1009418.483	882429.784	2760
1009418.461	882431.236	2220
1009418.887	882432.515	2700
1009419.149	882434.137	2340
1009419.816	882435.121	2400
1009420.07	882436.15	2160
1009420.696	882436.885	2700
1009420.73	882438.053	2520
1009421.539	882438.833	2580
1009421.669	882439.91	2040
1009422.614	882440.714	2280
1009423.085	882441.93	2880
1009423.892	882442.717	2640
1009424.16	882443.714	2700
1009425.422	882444.648	2520
1009425.936	882445.902	2340
1009426.89	882447.157	2760
1009426.794	882448.618	2280
1009427.211	882449.652	2400
1009427.305	882451.32	2700
1009428.123	882452.33	2700
1009428.601	882453.705	3000
1009429.596	882454.318	2580
1009429.974	882455.663	2520
1009430.861	882456.604	2640
1009431.218	882457.988	2940
1009431.932	882458.717	3060
1009432.233	882459.717	2880
1009432.664	882460.308	2760
1009432.866	882461.102	2580
1009433.437	882461.925	2280

Easting	Northing	CPM
1009320.521	882254.955	2100
1009320.521	882254.955	2220
1009320.521	882254.955	2100
1009320.521	882254.955	2280
1009320.521	882254.955	2520
1009320.521	882254.955	1920
1009320.521	882254.955	2160
1009320.521	882254.955	2460
1009320.521	882254.955	1800
1009320.521	882254.955	1980
1009320.521	882254.955	2940
1009320.521	882254.955	2460
1009320.521	882254.955	2340
1009320.521	882254.955	2640
1009320.521	882254.955	2640
1009320.521	882254.955	2880
1009320.521	882254.955	2160
1009320.521	882254.955	2520
1009320.521	882254.955	2460
1009320.521	882254.955	2460
1009320.521	882254.955	2580
1009320.521	882254.955	2460
1009320.521	882254.955	2460
1009320.521	882254.955	2580
1009320.521	882254.955	2520
1009320.521	882254.955	2700
1009320.521	882254.955	2820
1009320.521	882254.955	2520
1009320.521	882254.955	2340
1009320.521	882254.955	2400
1009320.521	882254.955	2280
1009320.521	882254.955	2400
1009320.521	882254.955	2340
1009320.521	882254.955	2520
1009320.521	882254.955	2400
1009320.521	882254.955	2460
1009320.521	882254.955	1740
1009320.521	882254.955	1920
1009320.521	882254.955	2400

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009433.785	882462.928	3000
1009434.458	882463.796	2640
1009435.072	882464.964	2940
1009436.011	882465.665	2340
1009436.412	882466.741	2280
1009437.311	882467.804	3120
1009437.635	882469.363	2820
1009437.074	882469.196	2460
1009437.105	882469.828	2940
1009437.832	882470.544	2580
1009438.173	882471.467	2760
1009438.848	882472.522	2640
1009439.003	882473.63	2580
1009439.658	882474.49	2520
1009439.943	882475.734	2760
1009440.575	882476.692	2160
1009440.861	882477.972	2460
1009441.768	882478.799	2580
1009441.974	882479.879	2220
1009442.651	882480.901	2280
1009443.029	882482.092	2280
1009443.963	882483.361	2820
1009444.435	882484.82	3060
1009445.567	882485.793	3120
1009445.168	882487.275	3000
1009445.892	882488.279	2520
1009445.792	882489.27	2760
1009445.828	882491.07	2700
1009445.061	882492.414	2700
1009444.002	882494.003	2400
1009443.7	882494.644	2220
1009443.645	882494.733	2220
1009443.152	882495.013	2160
1009441.639	882494.305	2640
1009440.612	882494.64	2760
1009439.09	882494.792	2520
1009437.824	882495.55	2580
1009436.367	882496.147	2460
1009435.567	882497.178	3360
1009435.054	882498.862	3060

Easting	Northing	CPM
1009320.521	882254.955	2760
1009320.521	882254.955	2820
1009320.521	882254.955	2460
1009320.521	882254.955	2700
1009320.521	882254.955	2340
1009320.521	882254.955	2460
1009320.521	882254.955	2520
1009320.521	882254.955	2040
1009320.521	882254.955	2280
1009320.521	882254.955	2580
1009320.521	882254.955	2100
1009320.521	882254.955	1920
1009320.521	882254.955	2280
1009320.521	882254.955	2640
1009320.521	882254.955	2460
1009320.521	882254.955	2580
1009320.521	882254.955	2520
1009320.521	882254.955	2400
1009320.521	882254.955	2400
1009320.521	882254.955	2340
1009320.521	882254.955	2220
1009320.521	882254.955	2460
1009320.521	882254.955	2280
1009320.521	882254.955	2400
1009320.521	882254.955	1980
1009320.521	882254.955	2220
1009320.521	882254.955	2760
1009320.521	882254.955	2460
1009320.521	882254.955	2460
1009320.521	882254.955	2760
1009320.521	882254.955	2040
1009320.521	882254.955	2760
1009320.521	882254.955	3000
1009320.521	882254.955	2220
1009320.521	882254.955	2400
1009320.521	882254.955	2040
1009320.521	882254.955	2040
1009320.521	882254.955	2460
1009320.521	882254.955	3240
1009320.521	882254.955	2520
1009320.521	882254.955	2640

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009434.219	882500.869	2640
1009433.569	882500.97	2820
1009432.309	882500.246	2820
1009431.987	882499	2580
1009431.437	882497.935	2460
1009431.394	882496.641	2340
1009430.637	882495.535	2460
1009430.261	882494.229	2400
1009429.836	882493.173	2940
1009429.387	882491.85	2580
1009428.984	882490.795	2580
1009428.475	882489.443	2400
1009428.048	882488.068	2700
1009427.412	882486.725	2460
1009427.064	882485.417	2580
1009426.153	882484.314	3000
1009425.731	882482.788	2340
1009425.004	882481.764	1620
1009424.633	882480.475	2580
1009423.832	882479.343	2460
1009423.552	882478.123	2520
1009422.899	882477.136	2220
1009422.593	882475.335	2280
1009421.667	882474.468	2580
1009421.225	882472.941	2700
1009420.121	882471.903	2400
1009419.684	882470.4	3180
1009418.442	882468.933	2940
1009418.228	882467.508	2280
1009417.52	882466.306	1860
1009417.32	882464.413	2220
1009416.438	882462.597	2400
1009416.501	882460.808	2280
1009416.254	882459.237	2340
1009415.163	882458.174	2400
1009415.092	882456.717	2520
1009414.228	882456.028	2880
1009414.222	882455.121	2760
1009413.783	882454.016	3000
1009413.877	882452.519	2820

Easting	Northing	CPM
1009320.521	882254.955	2460
1009320.521	882254.955	2340
1009320.521	882254.955	3360
1009320.521	882254.955	2040
1009320.521	882254.955	1920
1009320.521	882254.955	2220
1009320.521	882254.955	1740
1009320.521	882254.955	1680
1009320.521	882254.955	1500
1009320.521	882254.955	1980
1009320.521	882254.955	2040
1009320.521	882254.955	2220
1009320.521	882254.955	1980
1009320.521	882254.955	1560
1009320.521	882254.955	1980
1009320.521	882254.955	2100
1009320.521	882254.955	2280
1009320.521	882254.955	2580
1009320.521	882254.955	2700
1009320.521	882254.955	2160
1009320.521	882254.955	2220
1009320.521	882254.955	1800
1009320.521	882254.955	1500
1009320.521	882254.955	1860
1009320.521	882254.955	2160
1009320.521	882254.955	1680
1009320.521	882254.955	1680
1009320.521	882254.955	1260
1009320.521	882254.955	1680
1009320.521	882254.955	1800
1009320.521	882254.955	1620
1009320.521	882254.955	1920
1009320.521	882254.955	1800
1009320.521	882254.955	1380
1009320.521	882254.955	2040
1009320.521	882254.955	2100
1009320.521	882254.955	1440
1009320.521	882254.955	1560
1009320.521	882254.955	1800
1009320.521	882254.955	2040

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009413.568	882451.095	2700
1009413.061	882450.014	2520
1009412.887	882448.327	2520
1009412.141	882447.371	2760
1009412.297	882445.928	2400
1009411.679	882445.064	2460
1009411.221	882443.564	2640
1009410.485	882442.245	2640
1009409.187	882441.398	2640
1009408.735	882439.977	2700
1009407.791	882439.029	2580
1009407.349	882439.023	2640
1009407.84	882438.037	2700
1009407.398	882436.792	3000
1009406.805	882435.151	2400
1009405.801	882433.543	2580
1009405.306	882432.01	2340
1009404.707	882430.851	2280
1009404.473	882429.257	2340
1009404.119	882428.206	1680
1009403.539	882426.882	1860
1009402.646	882425.674	2160
1009401.448	882424.246	2340
1009401.005	882422.156	2520
1009400.302	882420.746	2460
1009400.074	882418.869	2460
1009399.244	882417.556	2880
1009398.946	882415.784	2700
1009397.893	882414.52	2520
1009397.508	882412.979	2340
1009396.287	882411.515	2520
1009396.213	882409.993	2820
1009395.413	882408.667	2940
1009395.116	882407.474	3240
1009394.625	882406.132	2460
1009394.268	882404.627	2340
1009393.292	882402.881	2340
1009393.094	882401.241	2340
1009392.191	882399.614	2520
1009391.783	882397.823	2880

Easting	Northing	CPM
1009320.521	882254.955	1740
1009320.521	882254.955	1740
1009320.521	882254.955	1800
1009320.521	882254.955	2160
1009320.521	882254.955	1620
1009320.521	882254.955	1380
1009320.521	882254.955	1800
1009320.521	882254.955	1200
1009320.521	882254.955	1920
1009320.521	882254.955	1740
1009320.521	882254.955	2100
1009320.521	882254.955	1680
1009320.521	882254.955	2100
1009320.521	882254.955	1980
1009320.521	882254.955	2100
1009320.521	882254.955	2100
1009320.521	882254.955	1980
1009320.521	882254.955	1920
1009320.521	882254.955	1920
1009320.521	882254.955	1980
1009320.521	882254.955	1620
1009320.521	882254.955	1620
1009320.521	882254.955	1920
1009320.521	882254.955	2340
1009320.521	882254.955	2160
1009320.521	882254.955	1800
1009320.521	882254.955	1860
1009320.521	882254.955	1920
1009320.521	882254.955	1980
1009320.521	882254.955	1440
1009320.521	882254.955	1560
1009320.521	882254.955	2160
1009320.521	882254.955	1920
1009320.521	882254.955	1440
1009320.521	882254.955	1500
1009320.521	882254.955	1320
1009320.521	882254.955	1320
1009320.521	882254.955	1500
1009320.521	882254.955	1800
1009320.521	882254.955	1620

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009391.074	882396.093	2880
1009390.788	882394.339	2580
1009390.348	882392.942	2400
1009390.136	882391.186	2160
1009389.339	882389.415	2280
1009388.856	882387.477	2520
1009388.157	882385.744	2520
1009387.972	882383.926	2520
1009387.46	882382.355	1920
1009387.313	882380.712	2100
1009386.495	882378.901	2340
1009386.398	882376.954	2160
1009386.321	882375.23	2400
1009386.72	882373.339	2520
1009386.61	882371.595	2760
1009386.361	882369.789	2340
1009386.392	882367.603	2340
1009385.854	882365.755	2040
1009385.89	882363.672	2340
1009385.266	882361.914	2580
1009385.1	882360.242	2760
1009384.537	882358.785	2460
1009384.419	882356.875	2220
1009383.852	882355.29	2760
1009383.922	882353.518	3000
1009383.688	882352.069	2340
1009383.783	882350.645	1980
1009383.552	882349.031	2340
1009383.92	882347.357	1920
1009383.791	882345.855	2400
1009383.958	882344.975	2100
1009383.644	882344.529	2520
1009384.003	882342.475	2880
1009383.682	882340.997	2340
1009383.57	882339.64	2340
1009383.047	882338.511	2520
1009383.181	882337.224	2280
1009383.285	882335.674	2820
1009382.89	882334.896	2580
1009382.565	882334.651	2700

Easting	Northing	CPM
1009320.521	882254.955	1800
1009320.521	882254.955	1740
1009320.521	882254.955	1980
1009320.521	882254.955	1560
1009320.521	882254.955	1920
1009320.521	882254.955	1920
1009320.521	882254.955	1500
1009320.521	882254.955	1740
1009320.521	882254.955	1500
1009320.521	882254.955	1560
1009320.521	882254.955	1380
1009320.521	882254.955	1740
1009320.521	882254.955	1620
1009320.521	882254.955	1800
1009320.521	882254.955	1560
1009320.521	882254.955	1380
1009320.521	882254.955	1500
1009320.521	882254.955	1920
1009320.521	882254.955	1800
1009320.521	882254.955	1680
1009320.521	882254.955	1680
1009320.521	882254.955	1380
1009320.521	882254.955	1680
1009320.521	882254.955	1920
1009320.521	882254.955	2040
1009320.521	882254.955	1680
1009320.521	882254.955	1740
1009320.521	882254.955	1860
1009320.521	882254.955	1740
1009320.521	882254.955	1920
1009320.521	882254.955	2100
1009320.521	882254.955	2040
1009320.521	882254.955	1920
1009320.521	882254.955	1740
1009320.521	882254.955	1560
1009320.521	882254.955	1680
1009320.521	882254.955	1500
1009320.521	882254.955	1560
1009320.521	882254.955	1860
1009320.521	882254.955	1560

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

Instrument: Ludlum Model 12 (168806) with 44-10 (277910)

Easting	Northing	CPM
1009382.812	882334.437	2520
1009383.14	882333.523	1980
1009383.478	882332.042	2340
1009383.372	882330.42	2760
1009383.447	882328.986	2220
1009382.889	882327.558	2400
1009382.751	882325.885	2460
1009382.043	882324.087	2580
1009382.114	882322.157	2580
1009381.553	882320.737	2520
1009381.734	882319.143	2820
1009381.313	882317.441	2880
1009381.568	882315.582	2700
1009381.339	882313.835	2700
1009380.885	882311.9	2280

Easting	Northing	CPM
1009320.521	882254.955	1860
1009320.521	882254.955	2040
1009320.521	882254.955	1740
1009320.521	882254.955	1920
1009320.521	882254.955	1620
1009320.521	882254.955	1800
1009320.521	882254.955	1680
1009320.521	882254.955	1920
1009320.521	882254.955	1560
1009320.521	882254.955	2160
1009320.521	882254.955	1920
1009320.521	882254.955	1800
1009320.521	882254.955	1500
1009320.521	882254.955	1860
1009320.521	882254.955	1440

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009377.055	882216.079	1560
1009377.095	882216.079	1800
1009377.317	882216.081	1560
1009377.5	882216.083	1680
1009377.711	882216.084	1440
1009377.938	882215.84	1560
1009378.205	882215.471	1860
1009378.438	882215.15	1740
1009378.704	882214.782	1860
1009378.944	882214.452	1680
1009379.032	882214.304	1860
1009379.029	882214.266	1560
1009379.026	882214.229	1860
1009379.022	882214.193	1920
1009379.019	882214.161	1860
1009378.848	882214.269	1980
1009378.618	882214.43	2220
1009378.425	882214.566	2220
1009378.179	882214.738	2040
1009377.958	882214.893	1860
1009377.882	882214.987	1740
1009377.886	882215.056	1500
1009377.889	882215.116	1740
1009377.892	882215.186	1740
1009377.896	882215.25	1680
1009377.891	882215.209	1800
1009377.884	882215.121	1740
1009377.876	882215.032	1620
1009377.868	882214.939	1740
1009377.861	882214.852	1680
1009377.899	882214.8	1440
1009377.951	882214.77	1560
1009378.009	882214.737	1800
1009378.067	882214.703	1740
1009378.123	882214.672	1620
1009378.193	882214.704	2040
1009378.279	882214.784	1380
1009378.353	882214.852	1800
1009378.441	882214.933	1680
1009378.514	882215.001	1620
1009378.839	882215.077	1500

Easting	Northing	CPM
1009451.819	882490.305	2640
1009451.844	882490.319	2880
1009451.863	882490.3	3240
1009451.833	882490.281	2880
1009451.783	882490.293	3060
1009451.842	882490.206	3060
1009451.604	882490.25	2820
1009451.677	882490.112	2940
1009451.61	882490.071	2820
1009451.626	882490.053	2220
1009451.694	882490.084	2580
1009451.349	882490.279	2460
1009451.275	882490.23	2280
1009451.28	882490.26	2280
1009451.271	882490.317	3300
1009451.59	882490.203	3300
1009451.774	882490.108	3240
1009451.826	882490.095	3000
1009451.832	882490.102	2760
1009451.843	882490.159	2880
1009451.86	882490.185	2580
1009451.781	882490.194	2100
1009451.696	882490.216	2280
1009451.538	882490.191	3120
1009451.283	882490.477	2760
1009450.022	882490.444	2700
1009448.934	882491.039	2700
1009447.74	882491.888	2760
1009446.52	882493.394	3060
1009444.92	882494.398	2760
1009443.197	882495.951	2340
1009441.901	882496.727	2520
1009440.456	882497.174	3300
1009438.86	882497.85	2580
1009438.605	882498.315	2400
1009439.098	882498.567	2520
1009439.337	882498.715	2820
1009439.026	882499.156	2280
1009438.56	882499.464	2940
1009438.515	882499.472	3000
1009438.569	882499.474	2760

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009379.273	882215.145	1680
1009379.719	882215.215	1440
1009380.14	882215.282	1560
1009380.598	882215.353	1680
1009381.138	882215.82	1560
1009381.716	882216.483	1740
1009382.298	882217.15	1560
1009382.893	882217.833	1740
1009383.504	882218.533	1740
1009383.622	882218.393	1620
1009383.563	882217.956	1800
1009383.502	882217.508	1620
1009383.444	882217.084	1800
1009383.377	882216.589	1800
1009383.077	882216.037	2040
1009382.644	882215.437	1800
1009382.225	882214.856	2040
1009381.804	882214.272	2040
1009381.358	882213.654	1740
1009380.965	882213.68	1500
1009380.58	882214.037	1380
1009380.175	882214.413	1560
1009379.788	882214.772	1860
1009379.38	882215.15	2160
1009378.982	882215.239	2040
1009378.578	882215.177	2040
1009378.162	882215.113	1380
1009377.726	882215.046	2040
1009377.35	882214.988	1860
1009376.965	882214.929	1980
1009376.544	882214.864	1620
1009376.082	882214.793	2100
1009375.95	882214.746	1560
1009375.935	882214.707	1800
1009375.919	882214.666	1680
1009375.903	882214.624	1620
1009375.889	882214.586	1980
1009375.988	882214.532	1800
1009375.986	882214.503	1560
1009375.748	882214.597	1320

Easting	Northing	CPM
1009438.524	882499.445	3120
1009438.494	882499.396	2820
1009438.519	882499.398	2760
1009438.551	882499.423	2760
1009438.561	882499.423	3240
1009438.55	882499.414	2580
1009438.535	882499.419	2700
1009438.531	882499.412	2520
1009438.561	882499.429	3000
1009438.552	882499.45	2580
1009438.546	882499.429	2640
1009438.573	882499.424	2580
1009438.492	882499.479	2640
1009438.528	882499.444	3060
1009438.58	882499.464	2520
1009438.588	882499.504	2220
1009438.639	882499.361	2640
1009438.758	882499.045	2580
1009438.298	882498.345	2400
1009437.515	882497.564	2700
1009436.548	882496.315	2580
1009435.657	882494.681	2580
1009434.986	882492.968	2760
1009434.363	882491.391	2640
1009433.917	882489.493	3060
1009433.405	882487.962	2580
1009432.712	882486.22	2880
1009431.93	882484.566	3060
1009431.491	882482.874	3180
1009430.9	882481.079	2700
1009430.337	882479.043	2640
1009429.596	882477.171	2940
1009428.57	882475.39	2640
1009427.746	882473.812	2460
1009427.149	882471.992	2460
1009426.426	882470.273	2640
1009426.137	882468.554	2460
1009425.389	882466.958	2700
1009424.99	882465.264	2340
1009424.121	882463.418	2400



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009375.619	882214.652	1560
1009459.358	882238.325	2580
1009459.637	882238.375	2760
1009459.683	882238.351	3180
1009459.676	882238.32	3060
1009459.647	882238.297	3240
1009459.664	882238.285	2820
1009459.685	882238.309	3240
1009459.68	882238.328	2940
1009459.679	882238.316	2580
1009459.677	882238.248	2640
1009460.13	882238.129	2880
1009460.328	882238.407	2760
1009460.303	882238.362	2640
1009460.22	882238.29	2640
1009459.692	882239.224	2760
1009459.793	882240.176	2400
1009459.873	882240.959	2760
1009460.008	882242.243	2520
1009459.906	882243.513	2760
1009460.028	882244.647	3120
1009460.637	882245.519	2700
1009460.207	882246.644	2820
1009460.554	882247.772	2580
1009460.282	882248.731	3000
1009460.489	882249.693	2460
1009460.676	882250.638	2100
1009461.126	882251.993	2520
1009461.173	882253.304	2700
1009461.513	882254.707	2700
1009461.852	882255.588	2580
1009461.378	882256.598	2460
1009462.044	882257.577	3060
1009461.902	882258.611	3060
1009462.15	882260.006	2640
1009462.506	882260.991	2460
1009462.421	882262.121	2940
1009462.983	882263.115	2520
1009462.915	882264.606	2460
1009463.252	882265.944	2520

Easting	Northing	CPM
1009423.664	882461.601	2580
1009368.255	882250.863	2400
1009368.222	882252.816	2880
1009368.525	882254.803	2820
1009368.622	882256.927	2760
1009369.143	882259.138	2700
1009369.022	882261.522	3000
1009369.087	882263.564	2280
1009368.918	882265.577	3120
1009368.806	882267.472	2700
1009368.392	882269.74	2580
1009368.609	882272.111	2220
1009368.514	882274.198	2820
1009368.854	882276.288	2820
1009368.914	882278.188	2700
1009369.257	882280.217	2700
1009369.395	882282.254	2160
1009369.662	882284.034	2220
1009369.791	882285.707	2940
1009370.083	882287.742	2940
1009370.265	882289.886	2100
1009370.572	882291.98	2580
1009370.596	882293.686	2400
1009370.896	882295.667	2580
1009370.976	882297.637	2220
1009371.227	882299.731	1920
1009371.395	882301.516	2220
1009371.671	882303.498	3000
1009371.592	882305.721	2520
1009371.48	882307.418	2520
1009371.44	882309.029	3600
1009371.656	882310.799	3420
1009372.021	882312.188	3060
1009372.181	882312.084	2820
1009371.977	882312.721	2940
1009372.462	882314.466	2400
1009372.696	882316.274	2520
1009373.213	882318.06	2520
1009373.015	882320.057	2100
1009373.414	882321.712	2040

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009463.099	882267.207	2340
1009463.226	882268.724	2520
1009462.997	882269.974	2940
1009463.145	882271.329	3000
1009462.963	882273.066	2340
1009463.274	882274.385	2640
1009463.593	882275.418	3000
1009463.543	882276.918	3240
1009464.12	882278.048	2700
1009464.007	882279.257	2640
1009464.503	882280.617	2820
1009464.629	882280.993	2760
1009464.616	882281.027	3480
1009464.701	882280.995	3360
1009464.682	882280.763	2400
1009464.714	882280.629	2760
1009464.542	882281.101	2640
1009463.881	882281.922	2220
1009464.262	882283.038	2220
1009464.049	882284.265	3060
1009464.198	882285.817	2940
1009463.984	882287.378	2280
1009464.072	882289.02	2580
1009463.72	882290.585	2580
1009463.959	882292.103	2640
1009463.929	882293.162	1860
1009463.772	882294.167	2640
1009464.062	882295.283	2520
1009463.961	882296.74	2700
1009464.618	882297.939	2880
1009464.454	882299.196	2880
1009464.955	882300.834	2640
1009464.786	882302.303	2700
1009465.054	882304.086	3060
1009464.937	882305.836	3060
1009465.456	882307.425	3300
1009465.456	882308.808	2880
1009465.618	882310.318	2940
1009465.565	882311.889	3000
1009465.639	882313.602	3120

Easting	Northing	CPM
1009373.663	882323.668	2880
1009374.205	882325.796	3480
1009374.201	882327.871	2880
1009374.521	882329.925	2460
1009374.445	882332.059	2160
1009374.88	882333.979	2940
1009374.823	882336.029	2940
1009375.462	882337.721	2460
1009375.959	882339.547	2760
1009376.701	882341.554	3000
1009376.802	882343.54	3180
1009377.052	882345.461	3720
1009377.024	882347.492	2280
1009377.125	882349.445	2760
1009377.047	882351.297	2760
1009377.139	882353.502	2700
1009376.803	882355.404	2460
1009377.035	882357.408	2880
1009377.063	882359.491	2580
1009377.348	882361.566	2160
1009377.17	882363.659	2400
1009377.623	882365.481	2700
1009377.809	882367.513	3300
1009378.556	882369.129	3060
1009379.083	882371.077	2400
1009379.377	882373.068	2760
1009379.242	882375.068	2340
1009379.619	882376.746	2700
1009379.987	882378.604	2580
1009380.897	882380.505	2400
1009381.296	882382.501	2520
1009381.65	882384.253	2400
1009381.964	882386.033	2640
1009382.891	882387.696	2580
1009383.343	882389.766	2820
1009383.9	882391.816	2880
1009383.982	882393.504	2940
1009384.719	882395.32	2400
1009384.955	882397.043	2280
1009385.497	882398.856	2160

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009465.375	882315.519	3060
1009465.8	882316.922	2880
1009465.402	882318.478	2940
1009465.802	882319.817	2460
1009465.952	882321.395	2340
1009465.803	882321.995	2760
1009466.24	882322.019	2520
1009465.813	882323.282	2820
1009465.795	882324.655	3000
1009465.581	882326.346	2520
1009465.879	882327.919	2400
1009465.609	882329.627	3000
1009465.918	882331.369	2760
1009465.345	882332.875	2580
1009465.525	882334.328	2940
1009465.674	882335.799	3000
1009465.981	882337.414	2880
1009466.053	882339.354	2580
1009466.243	882341.056	2820
1009466.481	882342.526	2640
1009466.349	882344.208	2880
1009466.181	882346.22	2280
1009466.249	882347.87	2760
1009466.288	882349.628	2520
1009466.286	882351.887	2820
1009466.67	882353.607	3060
1009466.583	882355.12	3060
1009467.025	882356.702	3240
1009466.817	882358.554	2640
1009467.18	882360.749	2880
1009466.996	882362.488	2700
1009467.273	882364.48	2460
1009466.897	882366.226	2700
1009467.37	882368.024	2160
1009467.505	882369.982	2700
1009467.704	882371.544	3060
1009468.018	882372.829	2580
1009468.225	882374.575	2040
1009468.755	882375.862	2340
1009468.438	882376.952	2820

Easting	Northing	CPM
1009385.859	882400.543	2640
1009386.38	882402.306	2820
1009386.572	882404.276	2760
1009387.223	882406.169	2520
1009387.483	882407.967	2640
1009388.337	882409.637	2160
1009389.077	882411.144	2040
1009389.964	882412.86	2400
1009390.682	882414.762	2760
1009391.457	882416.731	3240
1009392.104	882418.782	2340
1009393.124	882420.682	2400
1009394.042	882422.831	2220
1009395.173	882425.002	2880
1009395.695	882426.637	2760
1009396.662	882428.292	2700
1009397.76	882430.209	2220
1009399.032	882431.888	2880
1009399.921	882433.689	2280
1009401.011	882435.334	2160
1009402.074	882437.101	2520
1009403.424	882438.783	2700
1009404.692	882440.304	2340
1009405.763	882441.429	2340
1009406.087	882442.268	2220
1009406.761	882442.468	2460
1009406.751	882442.839	2580
1009407.323	882443.74	2100
1009407.766	882445.135	2160
1009408.717	882446.38	2940
1009409.268	882447.723	2400
1009410.21	882449.063	2340
1009410.381	882450.726	2340
1009410.705	882452.307	2580
1009411.245	882453.503	2640
1009411.496	882455.114	2520
1009411.869	882457.043	3360
1009412.494	882459.195	3240
1009412.683	882460.962	2640
1009413.283	882462.682	2640

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009468.437	882378.366	2640
1009468.012	882379.892	2460
1009468.299	882381.513	2340
1009468.305	882383.411	2520
1009468.676	882385.342	2880
1009468.221	882386.312	2700
1009468.28	882387.153	2460
1009468.977	882387.608	2880
1009468.632	882388.852	2820
1009468.982	882390.168	2580
1009468.818	882391.765	3000
1009468.84	882393.409	3240
1009468.355	882395.101	2940
1009468.412	882396.416	2940
1009468.513	882398.247	2520
1009469.145	882400.214	2100
1009469.136	882402.026	2160
1009469.363	882403.83	2700
1009469.439	882404.988	2160
1009469.215	882405.811	2340
1009469.074	882407.459	3180
1009468.911	882409.186	2940
1009468.608	882411.042	2640
1009468.752	882412.845	2400
1009469.035	882414.454	2580
1009469.717	882416.152	2400
1009469.905	882417.829	2580
1009470.132	882419.604	2400
1009470.322	882421.232	2580
1009470.631	882422.959	2760
1009470.854	882424.89	2640
1009471.421	882426.911	2640
1009471.906	882428.385	2880
1009472.356	882430.3	2880
1009472.42	882432.354	3000
1009472.222	882434.298	2640
1009472.153	882436.108	2700
1009472.393	882438.24	3180
1009472.654	882440.127	2940
1009472.456	882441.836	3360

Easting	Northing	CPM
1009413.91	882464.451	2580
1009415.118	882466.415	2880
1009415.96	882468.283	2880
1009417.213	882470.017	2520
1009418.251	882471.874	2580
1009419.588	882473.5	2400
1009420.476	882475.46	2520
1009421.972	882477.187	2820
1009422.946	882478.688	3120
1009423.839	882480.326	2820
1009424.59	882481.952	2940
1009425.303	882483.787	2700
1009425.959	882485.508	2640
1009426.898	882487.2	2460
1009427.829	882488.943	2700
1009428.573	882490.79	2640
1009351.923	882258.859	2280
1009351.688	882256.846	2580
1009351.584	882254.736	2400
1009351.1	882252.654	2640
1009350.852	882250.752	2460
1009350.62	882248.754	2280
1009350.612	882246.724	2400
1009350.248	882245.406	2940
1009349.861	882244.007	2580
1009349.603	882243.013	2940
1009348.663	882242.335	2100
1009348.63	882242.013	2100
1009348.847	882242.069	2100
1009349.023	882242.117	2580
1009349.078	882241.969	1920
1009349.097	882241.957	2160
1009348.872	882241.889	2220
1009348.795	882241.858	2760
1009348.817	882241.962	2400
1009348.758	882242.033	2460
1009348.798	882241.975	2040
1009348.805	882241.947	2760
1009348.752	882242.033	3120
1009348.705	882242.069	2760

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009472.369	882443.452	2760
1009472.401	882445.427	2760
1009472.902	882447.214	2820
1009473.038	882448.952	2880
1009473.283	882450.799	2340
1009473.184	882452.934	2220
1009473.322	882454.932	2640
1009473.515	882457.005	2520
1009473.837	882458.796	3120
1009473.86	882460.811	2760
1009474.514	882462.793	2820
1009474.805	882464.689	2760
1009475.296	882466.499	2940
1009475.484	882468.307	2940
1009475.562	882470.472	3000
1009475.86	882471.436	3420
1009475.853	882471.536	2520
1009475.799	882471.546	3180
1009475.5	882471.578	2820
1009475.62	882471.317	2580
1009475.739	882470.315	2520
1009476.465	882468.998	2220
1009476.805	882467.476	2100
1009477.07	882465.854	2760
1009477.107	882464.422	3060
1009476.697	882463.087	2820
1009476.756	882461.564	2520
1009476.529	882460.14	2820
1009476.613	882458.557	3300
1009476.566	882457.216	3180
1009476.302	882456.323	2280
1009476.315	882456.519	2760
1009477.356	882457.467	2580
1009477.546	882458.944	2400
1009477.767	882460.404	2760
1009477.273	882461.259	3120
1009476.839	882461.445	2460
1009476.924	882461.262	2520
1009477.331	882460.884	2520
1009477.61	882460.709	2820

Easting	Northing	CPM
1009348.722	882242.07	2880
1009348.761	882242.101	2760
1009348.8	882242.104	2460
1009348.993	882242.455	2340
1009349.078	882242.581	2520
1009349.071	882242.503	1920
1009348.981	882242.31	2580
1009348.882	882242.153	2940
1009348.9	882242.105	2520
1009348.927	882242.07	2700
1009348.895	882242.088	2160
1009349.127	882242.083	2220
1009349.044	882242.212	2280
1009348.939	882242.245	2100
1009348.936	882242.17	2820
1009348.938	882242.158	2760
1009348.985	882242.203	2460
1009349	882242.231	2340
1009348.964	882242.23	2760
1009348.951	882242.233	2940
1009348.956	882242.238	2580
1009348.94	882242.252	2460
1009348.925	882242.251	2340
1009348.926	882242.222	2460
1009348.924	882242.216	2460
1009348.912	882242.226	2400
1009348.91	882242.238	2580
1009348.929	882242.269	2760
1009348.97	882242.232	2640
1009349.02	882242.269	2520
1009349.029	882242.338	2580
1009348.957	882242.353	3000
1009348.931	882242.306	2220
1009348.904	882242.213	2700
1009348.853	882242.12	2700
1009348.857	882242.125	2700
1009348.912	882242.258	2220
1009348.852	882242.272	2640
1009348.766	882242.18	2580
1009348.805	882242.219	2340

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009477.41	882461.764	2400
1009477.672	882462.98	2460
1009477.995	882464.314	2580
1009478.085	882465.927	2640
1009478.339	882467.657	2160
1009477.691	882469.277	2760
1009476.845	882470.701	3120
1009476.715	882471.09	2460
1009476.807	882471.051	3000
1009476.85	882471.259	2760
1009476.258	882471.177	2280
1009474.718	882471.32	2220
1009473.27	882471.872	3120
1009471.666	882472.834	2760
1009470.317	882473.955	2760
1009468.945	882474.775	2580
1009467.209	882475.978	2460
1009466.611	882477.168	2520
1009466.143	882477.365	2580
1009465.669	882477.338	3000
1009465.697	882477.479	2400
1009465.691	882477.138	2400
1009465.683	882476.172	2520
1009465.568	882474.762	2460
1009464.855	882472.735	2580
1009464.516	882470.107	2460
1009463.726	882467.849	2460
1009463.546	882465.83	2640
1009463.173	882464.244	2280
1009463.162	882462.218	2580
1009462.919	882460.605	3000
1009462.679	882459.538	2940
1009462.569	882458.192	2340
1009461.932	882456.868	3420
1009461.86	882455.427	2700
1009461.339	882454.576	2520
1009461.256	882453.884	2700
1009461.307	882453.214	2580
1009460.71	882452.485	2700
1009460.559	882451.377	2580

Easting	Northing	CPM
1009348.862	882242.337	2880
1009348.816	882242.252	3000
1009348.823	882242.162	2700
1009348.855	882242.219	3240
1009348.868	882242.297	3420
1009348.863	882242.242	3060
1009348.89	882242.211	2940
1009348.863	882242.16	2340
1009348.902	882242.393	3060
1009348.838	882242.406	2640
1009348.793	882242.245	2160
1009348.855	882242.249	2280
1009348.874	882242.248	2760
1009348.87	882242.218	2520
1009348.861	882242.189	2820
1009348.867	882242.168	2760
1009348.872	882242.171	2580
1009428.955	882492.635	2820
1009429.163	882494.532	2700
1009429.4	882496.34	2280
1009429.686	882498.177	2460
1009430.01	882499.938	2460
1009429.937	882501.82	3060
1009429.158	882503.613	2820
1009428.692	882504.234	2340
1009428.538	882504.396	3060
1009428.531	882504.407	2940
1009428.71	882504.342	2820
1009428.787	882504.323	2880
1009428.672	882504.377	2460
1009428.587	882504.432	2700
1009428.617	882504.468	2100
1009428.674	882504.454	2160
1009428.668	882504.444	2700
1009428.616	882504.43	2700
1009428.568	882504.464	3120
1009428.565	882504.508	3120
1009428.625	882504.511	2820
1009428.684	882504.495	2700
1009428.669	882504.473	3060

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009459.917	882450.194	3360
1009459.858	882448.599	3300
1009459.599	882447.308	2640
1009459.831	882446.233	3180
1009459.609	882444.825	3060
1009459.453	882442.954	2760
1009459.183	882441.262	2640
1009459.38	882439.567	3060
1009459.235	882438.009	2280
1009459.494	882436.33	3120
1009459.451	882434.659	3120
1009459.463	882433.013	2580
1009459.103	882431.528	2220
1009459.395	882430.269	2460
1009458.689	882428.931	2700
1009458.273	882427.694	2580
1009457.689	882426.176	2880
1009457.341	882424.583	2220
1009457.13	882423.061	2820
1009457.17	882421.584	3060
1009457.172	882419.884	2400
1009456.946	882418.856	2640
1009456.779	882418.622	2880
1009456.807	882418.509	2880
1009456.947	882418.406	3120
1009456.987	882418.442	2640
1009457.114	882418.511	2820
1009457.201	882418.603	2760
1009457.321	882418.7	2880
1009457.076	882418.407	2760
1009457.085	882418.169	3060
1009457.287	882417.179	3000
1009457.032	882416.159	2220
1009457.297	882414.979	2400
1009457.156	882413.072	2340
1009457.262	882411.461	2460
1009457.003	882409.682	2160
1009457.284	882408.399	2760
1009456.96	882406.822	2940
1009457.201	882405.312	3360

Easting	Northing	CPM
1009428.645	882504.537	3000
1009428.672	882504.538	3060
1009428.649	882504.447	2940
1009428.643	882504.401	2700
1009428.686	882504.421	2640
1009428.66	882504.276	2700
1009428.53	882504.415	2760
1009428.154	882504.616	2400
1009426.789	882504.891	2880
1009426.031	882505.918	2760
1009425.461	882507.725	3120
1009424.282	882509.891	2760
1009422.718	882511.714	2340
1009421.682	882512.083	2400
1009421.079	882512.21	2520
1009420.852	882512.509	2640
1009420.697	882512.431	3120
1009420.623	882512.173	2700
1009420.596	882512.188	2940
1009420.462	882512.319	3120
1009420.64	882512.457	2880
1009420.866	882512.507	2700
1009420.919	882512.489	3540
1009420.884	882512.508	3060
1009421.081	882512.321	3180
1009421.509	882511.937	3480
1009421.551	882511.945	2640
1009421.179	882512.278	2880
1009420.761	882512.018	2400
1009420.849	882511.925	2640
1009421.053	882512.124	2340
1009421.269	882512.226	3060
1009421.04	882512.39	2400
1009420.799	882512.434	3060
1009421.06	882512.262	2820
1009421.106	882512.287	2940
1009421.108	882512.317	2640
1009421.177	882512.277	2400
1009421.195	882512.258	2760
1009421.198	882512.264	2640

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009457.078	882403.831	3660
1009457.356	882402.258	3060
1009456.851	882400.519	2520
1009456.854	882399.025	1980
1009456.322	882397.529	2580
1009456.425	882396.121	2700
1009456.669	882395.898	2340
1009456.612	882395.919	2460
1009456.554	882395.882	2280
1009456.543	882395.897	2460
1009456.562	882395.87	2580
1009456.567	882395.827	2640
1009456.507	882395.777	2160
1009456.46	882395.747	2520
1009456.461	882395.748	2460
1009456.481	882395.757	2640
1009456.496	882395.752	2880
1009456.512	882395.727	3240
1009456.486	882395.779	2400
1009456.219	882396.078	2400
1009456.107	882396.191	2460
1009456.128	882396.001	2700
1009456.281	882395.768	2340
1009456.308	882395.943	2880
1009456.059	882396.21	2340
1009455.854	882395.493	2520
1009455.469	882394.441	2520
1009455.549	882392.844	3060
1009455.306	882391.333	3240
1009455.41	882389.881	3000
1009455.229	882388.241	2580
1009455.629	882386.302	2940
1009455.527	882384.788	3000
1009455.97	882383.096	2940
1009455.676	882381.295	3240
1009455.991	882379.458	2700
1009455.751	882377.803	2700
1009455.942	882376.058	2280
1009455.699	882374.3	2340
1009455.783	882372.464	2280

Easting	Northing	CPM
1009421.207	882512.263	2880
1009421.216	882512.323	3060
1009421.197	882512.361	3060
1009421.192	882512.354	3240
1009421.188	882512.322	2940
1009421.102	882512.356	3120
1009420.621	882512.689	2460
1009420.622	882512.689	2580
1009420.974	882512.48	2760
1009421.004	882512.478	3180
1009420.928	882512.499	2940
1009420.922	882512.454	2520
1009420.961	882512.436	3060
1009420.983	882512.455	2460
1009420.96	882512.431	2580
1009420.762	882512.159	2460
1009420.655	882512.161	2340
1009420.583	882512.257	2580
1009420.85	882512.101	3060
1009420.379	882511.781	2940
1009419.55	882511.449	2640
1009419.314	882510.549	2640
1009418.203	882509.822	3000
1009416.703	882508.708	2940
1009415.027	882507.48	2940
1009413.59	882506.029	3060
1009412.096	882504.276	3000
1009410.548	882502.417	2700
1009409.284	882500.949	2820
1009408.411	882499.31	3540
1009407.138	882497.682	2880
1009405.807	882495.849	3240
1009404.359	882494.213	3180
1009403.22	882492.59	2820
1009401.91	882490.858	2640
1009400.958	882488.993	3120
1009399.925	882486.955	2700
1009398.948	882484.887	2820
1009397.757	882482.818	2520
1009396.649	882480.751	2640



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009455.478	882370.896	2520
1009455.441	882369.262	2160
1009455.163	882367.426	2760
1009454.924	882365.671	2340
1009454.602	882363.843	2340
1009454.246	882362.603	2400
1009454.153	882360.884	2520
1009454.074	882359.652	2220
1009453.871	882359.191	2280
1009453.952	882359.067	2460
1009453.745	882359.519	2160
1009453.506	882359.846	2460
1009453.422	882359.833	2640
1009453.246	882359.473	2700
1009453.192	882358.373	2700
1009452.729	882356.916	3060
1009452.669	882354.989	2880
1009452.807	882352.967	2640
1009453.232	882350.845	2880
1009452.951	882348.983	2940
1009453.188	882347.014	2220
1009452.811	882345.329	2100
1009452.634	882343.541	2160
1009452.207	882341.55	2040
1009452.543	882339.697	2520
1009452.178	882337.876	2460
1009452.494	882335.911	3000
1009452.278	882334.159	2700
1009452.894	882332.353	2880
1009452.601	882330.365	2580
1009452.812	882328.439	2700
1009452.264	882326.494	2520
1009452.388	882324.781	2820
1009452.365	882322.694	2280
1009452.185	882322.115	3000
1009452.215	882322.275	2880
1009452.006	882321.913	3000
1009452.189	882320.447	2760
1009452.003	882318.372	2640
1009451.832	882316.186	2580

Easting	Northing	CPM
1009395.595	882478.209	3000
1009394.375	882476.563	2760
1009393.354	882474.98	2580
1009392.168	882473.49	2520
1009391.459	882471.841	2700
1009390.651	882470.46	3000
1009389.904	882469.166	2880
1009389.187	882468.458	2700
1009388.512	882467.707	2820
1009387.745	882466.459	2760
1009386.894	882465.251	2460
1009385.343	882464.386	2340
1009384.559	882463.158	2280
1009383.595	882461.604	2580
1009383.103	882459.586	2700
1009382.287	882457.658	2160
1009381.974	882456.04	2640
1009381.042	882454.108	2700
1009380.349	882452.329	2280
1009379.09	882450.93	2400
1009378.373	882449.367	2700
1009377.152	882447.366	2340
1009376.531	882445.614	2580
1009375.682	882443.963	2700
1009375.041	882442.214	3120
1009374.05	882440.386	2760
1009373.45	882438.346	2220
1009372.578	882436.146	2520
1009372.333	882433.994	2400
1009371.677	882432.202	3000
1009371.202	882430.188	2820
1009370.79	882428.355	2760
1009370.618	882426.268	1980
1009370.149	882424.406	2100
1009369.801	882422.447	2220
1009369.292	882420.499	2280
1009369.224	882418.614	2640
1009368.879	882416.499	3240
1009369.037	882414.578	2820
1009368.757	882412.564	2340

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009451.402	882313.807	2880
1009451.046	882311.648	2580
1009450.611	882309.744	2460
1009449.798	882307.587	3120
1009449.254	882305.448	2760
1009448.957	882303.632	2580
1009448.864	882301.54	3060
1009448.613	882299.257	2700
1009448.597	882297.134	2460
1009448.443	882295.228	2160
1009448.295	882292.653	2220
1009447.624	882290.449	2220
1009447.57	882288.493	2160
1009446.691	882286.49	2340
1009446.399	882284.402	2160
1009445.667	882282.412	2160
1009445.419	882280.529	2700
1009444.861	882278.86	2460
1009444.929	882276.832	2760
1009444.389	882275.002	3060
1009444.414	882272.979	2940
1009443.634	882271.104	2640
1009443.307	882269.557	2460
1009442.555	882267.958	2580
1009442.307	882266.08	2280
1009441.684	882264.198	2220
1009441.606	882262.222	2700
1009441.185	882260.137	3360
1009441.414	882257.97	3000
1009440.692	882256.139	2940
1009440.756	882254.001	2700
1009440.041	882252.245	2700
1009439.861	882250.18	3060
1009439.384	882248.058	2520
1009439.776	882245.879	1920
1009439.629	882244.087	3000
1009439.752	882242.44	2160
1009439.731	882241.988	2280
1009438.499	882241.811	3180
1009437.999	882241.783	2940

Easting	Northing	CPM
1009368.32	882410.349	1980
1009367.789	882408.48	2400
1009367.491	882406.385	2880
1009367.158	882404.273	3480
1009367.004	882402.29	2820
1009366.589	882399.886	2580
1009366.391	882397.609	2820
1009366.03	882395.841	2820
1009365.657	882393.749	2460
1009365.369	882391.674	2100
1009365.297	882389.604	1860
1009365.314	882388.763	2160
1009365.62	882387.409	2280
1009365.418	882385.313	2880
1009365.433	882383.13	2580
1009365.115	882381.223	2280
1009364.891	882379.313	2520
1009364.698	882376.995	2820
1009364.136	882374.448	2520
1009363.942	882372.705	2460
1009363.414	882370.447	2400
1009363.048	882368.373	2520
1009362.922	882366.34	2880
1009362.711	882364.519	2220
1009362.334	882362.4	2520
1009362.271	882360.286	3180
1009361.946	882357.722	2640
1009361.628	882355.365	2760
1009361.301	882353.345	2820
1009361.173	882351.151	2460
1009360.827	882349.026	2580
1009360.582	882346.869	2160
1009359.955	882344.81	2100
1009359.518	882342.809	2520
1009358.927	882340.697	2640
1009358.733	882338.741	2640
1009358.499	882336.576	2340
1009358.14	882334.473	2160
1009357.466	882332.393	2640
1009357.398	882330.016	2640

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009437.821	882241.874	2700
1009437.491	882242.144	3360
1009436.527	882242.552	2820
1009435.359	882243.824	2580
1009433.671	882244.148	2340
1009431.818	882244.667	2340
1009429.937	882244.261	2640
1009427.982	882244.681	2400
1009426.095	882244.572	2520
1009424.155	882244.943	3000
1009422.524	882244.658	2820
1009421.39	882244.571	2940
1009420.777	882245.132	2640
1009420.434	882245.231	2640
1009420.14	882245.096	2640
1009419.85	882245.051	2940
1009419.802	882245.05	2460
1009419.859	882245.207	2460
1009419.878	882245.273	2100
1009419.831	882245.297	2460
1009419.779	882245.302	2640
1009419.69	882243.713	2520
1009419.548	882243.67	2520
1009419.269	882243.594	2220
1009419.221	882243.575	2580
1009419.306	882243.607	2820
1009419.329	882243.615	2520
1009419.308	882243.585	3300
1009419.289	882243.519	3300
1009419.374	882243.542	2880
1009419.585	882243.68	2940
1009419.81	882243.726	3240
1009420.234	882243.395	2460
1009420.37	882243.8	2760
1009420.553	882244.404	2640
1009420.822	882245.045	3300
1009421.062	882246.207	2460
1009420.995	882247.787	3300
1009421.496	882249.506	2460
1009421.508	882250.836	2760

Easting	Northing	CPM
1009357.181	882327.647	2220
1009357.461	882325.521	2280
1009356.938	882323.49	2400
1009357.039	882321.506	3180
1009356.789	882319.41	2880
1009356.956	882317.378	3120
1009356.702	882315.487	2760
1009356.792	882313.583	2820
1009356.78	882311.749	2760
1009356.968	882309.622	2760
1009356.528	882307.394	2820
1009356.422	882305.341	2880
1009355.742	882303.386	3000
1009355.577	882301.248	2940
1009355.181	882299.334	2760
1009355.181	882297.496	2160
1009354.787	882295.6	2460
1009354.839	882293.505	2880
1009354.439	882291.493	2640
1009353.994	882289.327	2880
1009353.22	882287.309	3000
1009352.957	882285.181	2820
1009352.47	882283.189	2700
1009352.517	882280.973	2460
1009351.948	882278.548	3120
1009351.916	882276.358	2460
1009351.837	882273.842	2760
1009352.155	882271.725	2520
1009352.029	882269.475	2040
1009352.33	882267.464	2220
1009352.073	882265.315	2220
1009352.004	882263.244	2400
1009351.759	882261.191	2460
1009348.828	882242.452	3000
1009348.48	882242.705	2640
1009347.327	882243.697	2760
1009345.508	882243.994	2940
1009343.099	882244.287	3000
1009340.78	882243.905	3120
1009338.444	882242.986	2460

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009421.774	882252.402	2520
1009421.891	882253.981	2580
1009421.925	882255.586	2940
1009422.088	882256.857	2940
1009422.608	882258.805	2820
1009423.092	882260.367	2520
1009423.537	882261.878	2880
1009424.143	882263.484	2820
1009424.261	882265.371	2580
1009424.574	882267.11	2520
1009424.587	882268.787	2880
1009424.908	882270.368	2760
1009424.914	882272.064	2640
1009425.179	882273.852	2820
1009425.064	882275.711	2400
1009425.302	882277.35	2520
1009425.293	882279.158	2760
1009425.781	882280.842	2820
1009425.605	882282.467	2700
1009425.793	882284.175	2640
1009425.634	882285.857	2880
1009425.9	882287.652	2220
1009425.894	882289.222	2280
1009426.373	882291.087	2220
1009426.184	882292.727	2100
1009426.327	882294.505	3060
1009425.958	882296.156	2880
1009426.021	882297.744	2580
1009425.898	882299.241	2700
1009426.207	882300.615	2400
1009426.394	882302.374	1980
1009427.097	882303.797	2700
1009427.37	882305.476	2640
1009428.143	882307.055	2580
1009428.29	882308.755	2520
1009428.85	882310.296	2580
1009429.083	882311.824	2400
1009429.467	882313.553	2700
1009429.564	882315.257	2820
1009429.751	882316.837	3000

Easting	Northing	CPM
1009336.811	882242.346	3120
1009335.409	882241.224	2700
1009334.451	882241.048	2940
1009333.311	882242.091	2880
1009332.725	882243.784	2280
1009332.236	882245.826	2100
1009332.381	882248.052	2520
1009332.517	882249.924	2520
1009333.086	882251.956	3120
1009333.441	882254.07	2460
1009334.05	882256.2	2880
1009334	882258.111	3540
1009333.815	882260.151	2640
1009333.167	882262.01	2640
1009332.573	882263.467	3180
1009332.584	882263.957	2820
1009332.465	882263.9	2640
1009332.429	882263.821	2520
1009332.769	882263.81	2520
1009332.857	882264.774	2220
1009333.296	882266.717	2520
1009333.298	882268.961	3000
1009333.568	882271.248	3120
1009333.023	882273.321	3000
1009333.142	882275.334	3060
1009332.998	882277.161	3180
1009333.339	882279.06	2520
1009333.223	882281.078	2880
1009333.395	882282.94	2400
1009333.138	882284.865	2820
1009333.305	882286.835	2880
1009333.177	882288.758	2280
1009333.557	882290.717	2220
1009334.022	882292.728	2400
1009334.622	882294.564	2580
1009334.793	882296.617	2220
1009335.204	882299.013	2640
1009335.001	882301.014	3120
1009335.185	882303.277	2640
1009335.053	882305.208	2460

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009430.003	882318.44	2820
1009430.308	882320.147	2940
1009430.629	882321.666	2040
1009430.704	882323.075	2460
1009431.063	882324.374	3300
1009431.022	882325.873	2880
1009431.128	882326.66	2640
1009431.451	882326.859	2760
1009431.652	882327.018	2460
1009431.602	882328.399	2580
1009431.889	882330.393	2580
1009431.75	882331.978	2640
1009431.951	882333.734	2640
1009432.168	882335.971	2700
1009432.841	882337.047	2280
1009433.166	882338.315	2160
1009433.674	882339.812	2580
1009433.792	882341.634	2880
1009434.212	882343.448	2640
1009434.158	882344.978	2700
1009434.476	882346.812	2640
1009434.288	882348.363	3000
1009434.528	882350.014	3060
1009434.548	882351.805	2760
1009435.044	882353.214	2580
1009435.166	882354.943	2400
1009435.761	882356.605	2040
1009435.952	882358.368	1920
1009436.628	882360.17	2640
1009436.765	882362.021	2460
1009437.291	882363.744	2640
1009437.264	882365.183	2520
1009437.431	882366.711	2640
1009437.328	882368.243	2580
1009437.023	882369.792	2640
1009436.957	882371.232	2400
1009437.328	882372.994	2100
1009437.498	882374.751	2460
1009437.961	882376.435	2340
1009438.357	882377.976	2700

Easting	Northing	CPM
1009335.348	882307.225	2280
1009335.388	882309.211	2160
1009335.539	882311.404	2520
1009335.6	882313.666	2700
1009335.779	882315.731	3060
1009336.143	882317.753	2640
1009336.281	882319.966	2280
1009336.398	882322.266	2520
1009336.255	882324.424	2760
1009336.124	882327.095	2880
1009335.736	882329.716	2820
1009335.777	882331.812	2580
1009335.989	882333.824	3000
1009336.703	882336.201	2280
1009336.878	882338.115	2700
1009337.276	882340.18	2520
1009337.379	882342.3	2700
1009337.85	882344.257	2400
1009338.206	882346.472	2520
1009338.854	882348.466	2520
1009339.163	882350.538	2220
1009339.663	882352.629	2700
1009339.904	882354.967	2160
1009340.393	882357.055	2820
1009340.507	882359.288	2100
1009340.737	882361.468	2760
1009341.008	882363.98	3240
1009341.492	882366.289	2760
1009341.741	882368.71	2880
1009342.232	882370.815	2460
1009342.54	882372.752	2520
1009343.081	882374.693	2580
1009343.479	882376.799	2940
1009344.309	882379.314	2700
1009344.611	882381.594	2760
1009345.199	882383.504	2400
1009345.605	882385.539	2340
1009346.104	882387.651	2700
1009346.392	882389.882	2940
1009347.119	882391.489	3120

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009438.585	882379.576	2460
1009438.754	882381.077	3180
1009438.632	882382.578	3000
1009438.946	882383.975	3060
1009438.79	882385.452	2340
1009438.962	882386.736	2820
1009438.974	882388.298	2580
1009439.307	882389.759	2520
1009439.289	882391.514	2580
1009439.529	882393.25	2220
1009439.219	882395.096	2520
1009439.48	882396.676	2280
1009439.162	882398.501	2520
1009439.56	882400.023	2700
1009439.587	882401.645	2220
1009440.018	882403.395	2940
1009440.348	882404.751	3300
1009440.421	882406.602	2760
1009440.608	882408.198	2640
1009440.163	882409.827	3240
1009440.287	882411.464	2460
1009440.183	882412.917	3180
1009440.347	882413.755	2520
1009441.168	882414.11	3240
1009441.382	882415.327	2820
1009441.738	882416.42	2640
1009441.637	882417.717	3000
1009442.094	882418.909	3000
1009441.921	882420.237	2940
1009442.143	882421.652	2820
1009442.101	882423.163	2700
1009442.688	882424.604	3480
1009442.877	882426.016	2580
1009443.313	882427.48	2880
1009443.26	882429.102	2940
1009443.74	882430.545	2640
1009444.01	882431.958	2520
1009444.51	882433.422	2400
1009444.677	882434.842	3000
1009444.991	882436.175	3060

Easting	Northing	CPM
1009347.506	882393.604	2760
1009348.027	882395.721	2340
1009348.154	882397.606	2340
1009348.611	882399.561	2280
1009348.968	882401.768	2460
1009349.574	882403.855	2460
1009349.836	882405.655	2640
1009350.374	882407.381	2520
1009351.054	882409.28	2400
1009351.92	882411.062	2760
1009352.575	882412.862	2700
1009353.43	882414.701	2940
1009353.843	882416.798	2940
1009354.528	882418.716	3180
1009355.088	882420.587	2940
1009355.738	882422.635	2760
1009356.241	882424.696	2940
1009357.012	882426.492	2880
1009357.428	882428.239	2640
1009358.155	882429.801	2880
1009358.863	882431.796	2460
1009359.904	882433.311	2400
1009360.696	882435.075	1980
1009361.704	882437.052	2280
1009362.358	882439.004	2520
1009363.015	882441.003	2520
1009363.343	882443.149	2340
1009363.919	882445.113	2220
1009364.632	882447.401	3120
1009365.308	882449.365	3060
1009365.766	882451.201	2700
1009366.558	882453.065	2640
1009367.304	882454.874	2820
1009368.337	882456.679	2700
1009369.33	882458.662	2700
1009370.61	882460.506	2700
1009371.789	882462.231	2520
1009373.318	882463.91	2460
1009374.349	882465.571	2340
1009375.585	882467.5	2340

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009445.726	882437.38	2820
1009446.032	882439.033	3060
1009446.032	882440.713	2940
1009446.075	882442.176	3480
1009446.172	882443.93	3300
1009446.288	882445.619	3060
1009446.502	882446.988	3120
1009446.467	882448.496	3000
1009446.822	882449.954	3000
1009447.364	882451.394	2940
1009448.006	882453.036	3540
1009448.213	882454.91	3060
1009448.474	882456.905	2580
1009447.756	882457.925	2220
1009447.51	882458.551	2040
1009447.391	882459.468	2460
1009447.487	882460.614	2280
1009447.902	882461.811	2580
1009448.435	882463.241	3360
1009448.711	882464.864	3060
1009449.637	882466.52	2700
1009450.455	882467.648	2400
1009451.374	882468.991	2400
1009452.134	882470.372	2520
1009452.835	882472.283	2520
1009453.313	882473.919	2280
1009453.807	882475.484	2460
1009454.396	882476.892	2340
1009454.628	882478.465	2880
1009455.428	882479.506	2940
1009455.608	882480.815	3000
1009455.977	882482.247	2640
1009456.082	882483.939	2340
1009456.065	882485.975	2340
1009455.277	882487.469	3000
1009453.912	882488.995	2460
1009452.212	882489.679	2700
1009450.469	882490.284	2580
1009449.783	882490.8	2760
1009449.759	882490.933	2340

Easting	Northing	CPM
1009376.52	882469.253	2640
1009377.621	882470.54	3000
1009378.48	882471.8	2520
1009379.663	882473.03	3180
1009380.412	882474.499	2700
1009381.549	882475.911	2460
1009382.182	882477.323	2280
1009383.099	882478.609	2880
1009383.904	882479.77	3060
1009385.146	882481.418	2280
1009385.887	882482.883	2880
1009387.085	882484.392	3000
1009388.033	882486.588	3120
1009389.373	882488.433	3180
1009390.232	882490.407	2640
1009391.39	882492.036	3000
1009392.611	882493.82	2820
1009394.061	882495.348	2340
1009395.101	882497.091	2640
1009396.298	882498.418	2880
1009397.328	882500.016	2760
1009398.636	882501.231	2760
1009399.906	882502.831	2700
1009401.218	882504.569	2820
1009402.482	882506.455	2760
1009403.889	882508.116	2880
1009404.69	882510	2460
1009405.919	882511.45	2400
1009407.005	882513.33	2700
1009408.163	882515.128	2640
1009408.845	882516.939	2340
1009409.41	882518.117	2880
1009409.519	882518.848	2880
1009409.563	882519.031	2820
1009409.64	882518.949	2820
1009409.626	882518.908	2640
1009409.695	882518.903	3120
1009409.889	882518.792	2820
1009410.028	882518.789	3180
1009409.996	882518.861	3120

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009449.742	882490.943	2460
1009449.736	882490.914	2520
1009449.767	882490.821	2580
1009449.805	882490.429	2580
1009449.106	882489.509	2580
1009448.785	882488	2520
1009447.935	882486.217	2700
1009447.432	882484.336	2820
1009446.768	882482.248	3180
1009446.236	882480.156	2880
1009445.711	882477.694	3000
1009444.951	882475.639	3120
1009444.428	882473.765	2700
1009444.259	882472.071	2940
1009444.266	882470.077	2700
1009444.275	882468.32	2580
1009443.703	882466.89	2400
1009443.212	882464.702	2040
1009443.214	882462.827	2220
1009443.342	882460.791	2820
1009443.577	882458.929	2640
1009443.764	882457.015	2760
1009443.328	882455.51	2880
1009442.835	882453.904	3180
1009442.014	882452.56	3360
1009441.599	882451.505	3300
1009442.213	882451.522	3960
1009442.734	882451.514	3000
1009442.729	882451.703	2760
1009442.501	882451.936	2940
1009442.291	882451.866	2520
1009442.231	882451.296	3060
1009441.7	882450.281	3180
1009441.393	882448.765	2880
1009440.892	882447.12	2580
1009440.355	882445.217	2280
1009439.582	882443.426	3240
1009439.114	882441.438	2280
1009438.699	882439.874	3360
1009438.324	882438.286	2700

Easting	Northing	CPM
1009409.954	882518.881	2640
1009409.934	882518.875	2700
1009409.941	882518.89	2640
1009409.976	882518.913	2520
1009409.993	882518.934	2460
1009409.978	882518.932	2640
1009409.98	882518.905	3000
1009409.981	882518.888	3000
1009410.066	882519.003	2760
1009410.316	882519.234	2640
1009410.84	882519.19	2940
1009411.044	882519.124	2640
1009411.019	882519.101	2580
1009411.057	882519.068	3000
1009411.051	882519.056	2580
1009411.048	882519.067	2640
1009411.05	882519.085	2640
1009411.046	882519.084	2820
1009411.022	882519.076	3000
1009411.006	882519.08	2340
1009411.011	882519.084	2880
1009410.994	882519.068	3060
1009308.983	882239.986	2880
1009307.33	882239.936	2580
1009305.478	882239.756	2340
1009303.784	882239.151	2640
1009303.371	882238.876	2220
1009303.517	882239.264	2520
1009303.635	882240.623	2700
1009303.454	882242.594	2340
1009303.739	882244.999	2880
1009303.716	882247.201	2520
1009303.834	882249.181	1800
1009303.425	882251.77	2340
1009303.43	882253.801	2400
1009303.194	882256.135	2220
1009303.199	882258.231	2220
1009303.343	882260.143	2700
1009303.444	882262.298	2820
1009303.289	882264.879	2400



## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009437.651	882436.459	3060
1009437.113	882434.999	2820
1009436.647	882433.222	2400
1009436.085	882431.284	2700
1009435.648	882429.284	2760
1009435.479	882427.399	2340
1009435.116	882425.442	2520
1009435.082	882423.256	2700
1009435.024	882421.137	2700
1009435.001	882419.491	2640
1009434.831	882417.772	2940
1009434.346	882416.128	2220
1009433.652	882414.428	2160
1009433.241	882412.354	2280
1009432.519	882410.548	2700
1009432.294	882408.681	2460
1009431.717	882406.829	2520
1009431.474	882405.081	3120
1009430.934	882403.005	3000
1009430.956	882401.257	2700
1009430.464	882399.406	2400
1009430.362	882397.603	2040
1009430.303	882395.611	2340
1009430.49	882393.609	2400
1009430.196	882392.097	2580
1009430.084	882391.645	2220
1009430.071	882391.523	2160
1009429.837	882391.415	2460
1009429.941	882390.385	2280
1009429.556	882388.769	2520
1009429.356	882386.812	2760
1009428.742	882384.957	2340
1009428.521	882382.853	2760
1009427.994	882381.283	2400
1009427.492	882379.28	2220
1009426.891	882377.229	2940
1009426.722	882375.1	2700
1009426.259	882373.243	2820
1009426.039	882371.342	2160
1009425.707	882369.525	2400

Easting	Northing	CPM
1009303.798	882267.237	2520
1009303.778	882269.362	2580
1009303.993	882271.391	2640
1009303.763	882273.571	2580
1009303.95	882275.905	2700
1009303.451	882278.091	2160
1009303.303	882280.108	2760
1009303.016	882281.829	2640
1009303.076	882283.829	2700
1009410.934	882519.105	2760
1009410.917	882519.33	2520
1009410.933	882519.455	2640
1009410.837	882519.23	2340
1009410.803	882519.002	2760
1009410.889	882519.072	3000
1009410.917	882519.158	2640
1009410.84	882519.069	2880
1009410.771	882518.949	2820
1009410.803	882518.917	2820
1009410.886	882518.956	2640
1009410.914	882518.969	2640
1009410.89	882518.947	3060
1009410.865	882518.934	3060
1009410.863	882518.935	2820
1009410.877	882518.934	3060
1009410.884	882518.948	2760
1009410.866	882518.964	2880
1009410.848	882518.96	2640
1009410.661	882519.412	2460
1009410.674	882520.061	2640
1009411.085	882520.532	2280
1009410.487	882521.023	2700
1009409.394	882521.926	2700
1009407.733	882523.201	3060
1009406.585	882524.643	3120
1009404.427	882526.22	2700
1009403.091	882527.824	3180
1009402.217	882528.832	3060
1009400.946	882529.604	2880
1009400.112	882530.296	2520

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009425.723	882367.533	2520
1009425.223	882365.706	2880
1009424.897	882363.567	2460
1009424.361	882361.742	2940
1009424.347	882359.648	2400
1009423.866	882357.807	2340
1009423.444	882355.755	1560
1009422.828	882353.807	1860
1009422.613	882351.668	1860
1009422.152	882349.807	2160
1009421.897	882347.997	1860
1009421.655	882346.024	2100
1009421.312	882343.925	2340
1009421.183	882341.885	1980
1009421.092	882339.723	2280
1009420.733	882337.735	1920
1009420.499	882335.801	2700
1009419.961	882333.989	2580
1009419.373	882331.879	2880
1009418.808	882329.865	2820
1009418.47	882327.513	2340
1009417.875	882325.484	1920
1009417.716	882323.38	2400
1009417.061	882321.399	2760
1009416.963	882319.383	2880
1009416.771	882317.174	2580
1009416.863	882315.16	2220
1009416.523	882313.266	2640
1009416.398	882311.554	2760
1009415.941	882309.92	2760
1009416	882308.17	2820
1009415.551	882306.468	3120
1009415.779	882304.943	2520
1009415.599	882303.332	2580
1009415.59	882301.396	2520
1009415.037	882299.497	2220
1009415.054	882297.819	2340
1009414.828	882295.959	3180
1009415.069	882294.181	2820
1009414.983	882292.228	2640

Easting	Northing	CPM
1009399.883	882530.506	2520
1009399.823	882530.543	2340
1009399.801	882530.491	2940
1009399.745	882530.44	2880
1009399.689	882530.504	2820
1009399.603	882530.71	2700
1009399.697	882530.787	3000
1009399.792	882530.746	2580
1009399.843	882530.674	2820
1009399.858	882530.591	2820
1009399.834	882530.54	2700
1009399.769	882530.544	2460
1009399.722	882530.64	3180
1009399.706	882530.699	2520
1009399.751	882530.704	2640
1009399.713	882530.534	2280
1009399.674	882530.336	2760
1009399.646	882530.155	2700
1009399.511	882530.333	2760
1009399.097	882529.684	2640
1009397.699	882528.432	3000
1009396.689	882527.092	2640
1009395.44	882525.295	2520
1009394.937	882523.505	2520
1009394.173	882521.619	2880
1009392.902	882519.975	2820
1009391.616	882518.153	2580
1009390.031	882516.318	2700
1009388.764	882514.378	3000
1009387.251	882512.551	2880
1009386.151	882510.662	2640
1009384.989	882509.408	2280
1009383.815	882507.892	2700
1009382.25	882506.758	2880
1009381.074	882505.299	2640
1009379.776	882503.719	2760
1009378.731	882501.816	2400
1009377.478	882499.997	2160
1009376.257	882498.03	2520
1009374.766	882496.418	2820

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009415.132	882290.165	3300
1009414.783	882288.049	2940
1009414.6	882286.119	2640
1009414.403	882284.161	2880
1009414.082	882281.958	3420
1009413.276	882279.626	2760
1009412.92	882277.631	2640
1009412.366	882275.557	2400
1009411.689	882273.242	2520
1009411.144	882271.146	2640
1009411.208	882269.105	2580
1009411.475	882267.406	2580
1009411.838	882265.656	2760
1009411.856	882263.917	2340
1009412.036	882262.279	3120
1009411.748	882260.299	2400
1009411.508	882258.57	2880
1009411.194	882256.376	2880
1009411.444	882254.49	2640
1009411.793	882252.635	3000
1009412.463	882250.952	3360
1009412.551	882249.209	2940
1009412.84	882247.378	2460
1009412.935	882245.929	2940
1009412.889	882244.928	2520
1009412.632	882244.335	2340
1009412.573	882244.251	2580
1009412.705	882244.378	2700
1009412.723	882244.456	2820
1009412.771	882244.543	2760
1009412.915	882244.517	2820
1009412.903	882244.315	3000
1009412.841	882244.149	2760
1009412.863	882244.276	3300
1009412.988	882244.64	3180
1009412.331	882244.679	2880
1009410.984	882244.529	2160
1009409.491	882245.283	2760
1009407.657	882245.629	2280
1009405.8	882246.229	2400

Easting	Northing	CPM
1009373.272	882494.745	2820
1009372.307	882492.786	2400
1009371.588	882491.251	2820
1009370.986	882490.348	2940
1009370.06	882489.74	2940
1009368.883	882489.169	2400
1009367.467	882488.63	2820
1009366.905	882487.487	2700
1009366.759	882486.243	2760
1009366.308	882485.016	2580
1009366.104	882484.584	2760
1009365.62	882483.889	3060
1009364.463	882483.642	3060
1009363.426	882483.719	2760
1009362.626	882483.096	2700
1009361.516	882482.628	2700
1009361.331	882482.072	2640
1009361.774	882480.819	2580
1009361.192	882479.426	2460
1009360.852	882477.716	2040
1009359.88	882476.154	2460
1009359.023	882474.423	2160
1009358.027	882472.803	2220
1009356.796	882470.951	2640
1009354.973	882469.501	2160
1009353.682	882467.905	2760
1009352.727	882466.056	2400
1009352.804	882464.082	2460
1009352.711	882461.894	2400
1009352.965	882459.914	3060
1009352.573	882458.103	2880
1009351.848	882455.982	3060
1009351.198	882454.133	2580
1009350.494	882452.317	2640
1009349.911	882450.505	2880
1009349.588	882449.166	2520
1009349.627	882448.057	2640
1009349.575	882447.98	2700
1009348.93	882448.138	3060
1009347.524	882447.265	2700

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009404.128	882246.166	2580
1009402.45	882246.439	2640
1009400.83	882246.211	2820
1009399.344	882246.569	3000
1009397.666	882246.552	2640
1009396.287	882246.636	2640
1009394.683	882246.336	2520
1009394.026	882245.274	2700
1009394.113	882245.095	2760
1009393.925	882245.165	2400
1009393.861	882245.196	2340
1009393.852	882245.284	2640
1009393.858	882245.265	2340
1009393.897	882245.224	2160
1009393.904	882245.203	2520
1009393.901	882245.195	3000
1009393.906	882245.209	2880
1009393.946	882245.199	2580
1009393.932	882245.159	2340
1009393.923	882245.15	2640
1009393.93	882245.218	2460
1009393.95	882245.26	2640
1009393.968	882245.243	2580
1009393.963	882245.192	2220
1009393.954	882245.172	2520
1009393.973	882245.173	2340
1009394.315	882245.273	2460
1009394.2	882245.287	2400
1009393.74	882245.124	2160
1009393.835	882245.158	2160
1009393.945	882245.192	2580
1009393.923	882245.163	2940
1009393.925	882245.175	2640
1009393.932	882245.187	2400
1009393.93	882245.166	2640
1009393.922	882245.163	2460
1009393.933	882245.168	2760
1009393.951	882245.185	3240
1009393.938	882245.164	2640
1009393.894	882245.121	2580

Easting	Northing	CPM
1009346.189	882445.653	2520
1009345.363	882444.245	2340
1009344.378	882442.418	2820
1009343.206	882440.524	3120
1009342.401	882438.391	3060
1009341.316	882436.466	2460
1009340.499	882434.226	2520
1009339.72	882432.409	2640
1009339.222	882430.29	2580
1009338.393	882428.478	3120
1009337.719	882426.574	3060
1009337.209	882424.771	2580
1009336.833	882422.496	2400
1009335.881	882420.42	2700
1009335.066	882418.661	2520
1009334.089	882416.905	2400
1009333.668	882414.818	2520
1009332.95	882412.867	2640
1009332.31	882410.83	2820
1009331.442	882408.841	3120
1009330.937	882406.701	3120
1009330.049	882404.876	3000
1009329.49	882402.831	2400
1009328.656	882400.946	2760
1009328.027	882398.946	3000
1009327.058	882397.082	2880
1009326.336	882395.003	3000
1009325.245	882393.291	2880
1009324.836	882391.608	2940
1009324.503	882389.393	3060
1009324.514	882387.336	2880
1009324.143	882385.084	2460
1009323.799	882382.75	2760
1009323.039	882380.761	2520
1009322.547	882378.781	3300
1009321.865	882376.585	2580
1009321.441	882374.497	2760
1009320.963	882372.203	2580
1009320.428	882369.882	2820
1009319.913	882367.594	2820

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009393.875	882245.12	2460
1009393.874	882245.133	2880
1009393.654	882245.326	2940
1009394.062	882245.7	2580
1009394.046	882246.876	2580
1009394.614	882248.608	2820
1009394.646	882250.79	2580
1009394.9	882253.043	2760
1009394.574	882255.16	2460
1009395.168	882256.899	2340
1009395.426	882259.064	2640
1009395.93	882261.009	2940
1009395.897	882263.128	2760
1009422.845	882459.99	2640
1009422.297	882458.35	2520
1009421.688	882456.809	3480
1009421.419	882455.047	3420
1009420.978	882453.814	3420
1009420.753	882452.652	3240
1009420.291	882451.503	2940
1009419.7	882450.707	2820
1009419.368	882449.445	2400
1009419.007	882448.179	2340
1009418.638	882446.651	2220
1009417.876	882445.395	3060
1009417.72	882444.118	2940
1009417.441	882442.762	2700
1009417.115	882441.175	2340
1009416.957	882439.768	2940
1009416.578	882438.116	2400
1009416.208	882436.715	2640
1009415.87	882435.209	2400
1009415.128	882433.631	2520
1009414.09	882431.749	2700
1009413.325	882429.947	3420
1009412.349	882428.163	2580
1009411.605	882426.623	2520
1009410.788	882424.789	2520
1009409.886	882422.931	2820
1009409.056	882421.254	2280

Easting	Northing	CPM
1009319.03	882364.999	3000
1009318.589	882362.775	2820
1009318.097	882360.529	3000
1009317.797	882358.526	3060
1009317.254	882356.311	3060
1009316.889	882354.081	2940
1009316.014	882351.824	3000
1009315.505	882349.533	2760
1009314.606	882347.488	3060
1009314.391	882345.27	2880
1009313.985	882343.027	2400
1009314.003	882340.586	3000
1009313.503	882338.549	2760
1009313.062	882336.297	2640
1009312.223	882333.8	2640
1009311.841	882331.606	3000
1009311.454	882329.322	3480
1009311.156	882327.172	2820
1009311.144	882324.676	2760
1009311.24	882322.376	2880
1009311.659	882320.239	2880
1009312.015	882318.294	3000
1009312.115	882316.161	2580
1009312.143	882314.163	3000
1009312.104	882311.992	2760
1009312.104	882309.592	2520
1009312.277	882307.331	2880
1009312.038	882304.821	2820
1009312.175	882302.565	2580
1009312.446	882300.817	2040
1009312.277	882299.483	2220
1009312.244	882297.353	2340
1009312.164	882295.154	2700
1009311.821	882292.789	2520
1009311.773	882290.524	2700
1009311.656	882288.503	2820
1009311.697	882286.498	2280
1009311.945	882284.197	2520
1009312.177	882282.234	2760
1009312.313	882279.96	2580

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009408.185	882419.536	2160
1009407.424	882417.764	2340
1009406.865	882416.028	2460
1009406.489	882414.384	2760
1009405.667	882412.71	2760
1009405.116	882411.004	2820
1009404.466	882409.283	2160
1009403.974	882407.759	2700
1009403.18	882406.134	2580
1009402.129	882404.329	2460
1009401.181	882402.783	2940
1009400.267	882400.901	2520
1009399.724	882399.011	2460
1009399.504	882397.278	2820
1009399.291	882395.264	2520
1009399.052	882393.304	2340
1009398.727	882391.242	2340
1009398.02	882389.139	2820
1009397.548	882387.242	2760
1009396.681	882385.189	2280
1009396.411	882382.925	2520
1009395.918	882381.179	3000
1009395.597	882379.368	2940
1009395.065	882377.355	2280
1009394.872	882375.695	2520
1009394.435	882373.963	2460
1009394.05	882372.195	2340
1009393.465	882370.247	2040
1009393.25	882368.301	2640
1009392.877	882366.346	2580
1009392.916	882364.434	2400
1009392.555	882362.444	2640
1009392.376	882360.618	3000
1009391.981	882358.663	2760
1009391.745	882356.713	2280
1009391.394	882354.673	2340
1009391.434	882352.876	2100
1009391.193	882351.015	2340
1009390.926	882348.917	2580
1009390.235	882347.204	2340

Easting	Northing	CPM
1009312.697	882277.769	2340
1009312.757	882275.639	2220
1009312.965	882273.491	2760
1009312.812	882271.26	2280
1009313.04	882269.183	2160
1009313.137	882267.155	3120
1009313.294	882265.163	2460
1009313.422	882263.356	2520
1009313.72	882261.469	2220
1009313.884	882259.557	2700
1009313.798	882258	2520
1009313.961	882255.981	1800
1009314.198	882254.096	2820
1009314.42	882252.097	2880
1009314.768	882250.257	2340
1009314.868	882248.396	2100
1009314.694	882247.256	2520
1009314.868	882246.275	2400
1009314.949	882244.921	2280
1009315.371	882243.416	2820
1009315.494	882242.017	3240
1009315.267	882240.657	2580
1009314.428	882239.736	2820
1009312.603	882239.583	2880
1009310.779	882239.838	2820
1009303.06	882285.962	2340
1009303.387	882288.054	2520
1009303.581	882290.222	2520
1009304.116	882292.358	2460
1009304.399	882294.527	2880
1009304.8	882296.504	2580
1009304.98	882298.485	2700
1009305.309	882300.697	2940
1009305.668	882302.936	2640
1009306.242	882304.947	2280
1009306.718	882307.054	2280
1009306.996	882309.172	2820
1009307.15	882311.508	2940
1009307.272	882313.78	2820
1009307.171	882315.902	2460

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009389.822	882345.529	2160
1009389.407	882343.741	2940
1009389.478	882341.78	2820
1009389.647	882340.006	2640
1009389.826	882338.14	2640
1009390.014	882336.498	1980
1009390.067	882334.855	2340
1009389.82	882333.009	2040
1009389.482	882331.347	2340
1009389.207	882329.682	2160
1009388.761	882327.879	2700
1009388.669	882325.954	2460
1009388.328	882324.295	2400
1009387.933	882322.473	2580
1009387.654	882320.527	2460
1009387.542	882318.856	3120
1009387.29	882317.127	2820
1009387.252	882315.265	2880
1009386.854	882313.683	2340
1009386.726	882312.069	2700
1009386.331	882310.489	2640
1009386.336	882308.847	2400
1009386.229	882307.267	1980
1009386.191	882305.609	2160
1009385.8	882303.849	2340
1009385.809	882302.188	2940
1009385.457	882300.573	2220
1009385.411	882298.91	2640
1009384.826	882297.111	2760
1009384.823	882295.097	2460
1009384.65	882293.375	2820
1009385.072	882291.554	2640
1009384.905	882289.746	2580
1009385.05	882287.595	2280
1009384.518	882285.897	2520
1009384.49	882284.195	2580
1009384.317	882282.627	2520
1009384.433	882280.929	2280
1009383.948	882279.231	2160
1009383.74	882277.405	2160

Easting	Northing	CPM
1009307.268	882317.936	2520
1009307.263	882320.142	3060
1009307.16	882322.386	2280
1009307.236	882324.738	3000
1009307.441	882326.747	2760
1009307.87	882329.055	2460
1009308.11	882331.115	2520
1009308.479	882333.377	2640
1009308.94	882334.97	2820
1009309.65	882335.783	2760
1009309.568	882336.85	3000
1009309.382	882338.322	3180
1009308.897	882340.15	2940
1009308.759	882342.303	2640
1009308.467	882344.51	2100
1009308.642	882346.644	2280
1009308.806	882348.648	3000
1009309.388	882350.869	3240
1009309.728	882353.155	2700
1009310.334	882355.451	2820
1009310.526	882357.369	3180
1009310.797	882359.515	2220
1009310.23	882360.243	2280
1009308.48	882360.742	2520
1009306.797	882361.087	2280
1009305.255	882360.57	2040
1009303.481	882360.06	2220
1009301.797	882359.266	3000
1009300.538	882357.935	2640
1009299.924	882355.667	2220
1009299.945	882353.844	2640
1009299.98	882351.814	2940
1009300.071	882349.472	3180
1009300.437	882347.316	2700
1009300.555	882345.328	2160
1009300.513	882342.367	2340
1009300.645	882340.135	2880
1009300.395	882338.069	2820
1009300.412	882335.569	2460
1009300.262	882333.321	2640

## Survey Unit: CE-FSS-23-05

### Gamma Walkover Survey

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

Easting	Northing	CPM
1009383.255	882275.418	2160
1009383.455	882273.654	3180
1009383.211	882272.129	2400
1009383.144	882270.137	2400
1009382.775	882268.073	2460
1009382.807	882266.083	2640
1009382.5	882264.138	2940
1009382.382	882262.238	2940
1009381.859	882260.29	2820
1009381.642	882258.264	2280
1009381.286	882256.071	2220
1009381.375	882254.044	1560
1009381.114	882251.894	2340
1009380.981	882249.599	2580
1009380.51	882247.377	2460
1009380.598	882245.809	2520
1009380.517	882244.501	2100
1009380.511	882243.492	2760
1009380.105	882242.598	2640
1009380.132	882242.311	2640
1009380.389	882242.367	2640
1009380.33	882242.419	2580
1009380.357	882242.439	2340
1009380.33	882242.476	2580
1009380.266	882242.4	2520
1009380.207	882242.363	2700
1009380.171	882242.397	2820
1009380.157	882242.381	3300
1009380.116	882242.381	2940
1009380.058	882242.401	2280
1009380.528	882242.681	2160
1009380.206	882242.77	2280
1009378.989	882243.473	2220
1009377.448	882243.522	2340
1009375.677	882243.574	2520
1009373.583	882243.506	3060
1009371.76	882243.69	3180
1009370.073	882243.401	2520
1009368.786	882243.481	2640
1009367.994	882243.238	2760

Easting	Northing	CPM
1009300.225	882330.981	2580
1009299.709	882328.884	2280
1009299.693	882326.559	2700
1009299.385	882324.148	2580
1009299.446	882321.682	3180
1009299.142	882319.245	2640
1009299.364	882316.841	2280
1009299.349	882314.573	2400
1009299.61	882312.241	3240
1009299.653	882309.963	2880
1009299.912	882307.9	2400
1009299.954	882305.493	2640
1009299.986	882303.129	2340
1009299.968	882300.977	2520
1009300.066	882298.7	2460
1009300.223	882296.324	2040
1009300.12	882293.854	2040
1009300.324	882291.504	2340
1009300.312	882289.269	2520
1009300.473	882286.978	2700
1009300.441	882284.643	2760
1009300.668	882282.635	2700
1009300.818	882280.283	2520
1009301.038	882277.893	2760
1009301.112	882275.503	2640
1009301.378	882273.135	2640
1009301.221	882270.978	2280
1009301.233	882268.528	2340
1009300.958	882265.927	2760
1009301.059	882263.508	2820
1009301.047	882261.481	2700
1009301.257	882259.312	2820
1009301.104	882257.365	2100
1009300.977	882255.003	1920
1009300.946	882252.796	2220
1009301.232	882250.608	2520
1009301.48	882248.598	3120
1009301.68	882246.17	2700
1009301.875	882243.886	2700
1009302.136	882241.734	2520



# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009368.129	882242.952	2580
1009368.077	882242.864	2760
1009367.771	882242.772	2280
1009367.791	882242.904	3240
1009367.814	882242.902	2880
1009367.816	882242.857	2520
1009367.837	882242.86	2880
1009367.872	882243.115	2460
1009367.608	882243.497	3120
1009367.675	882243.498	2520
1009368.11	882243.343	2460
1009367.989	882244.053	2880
1009367.952	882245.243	2760
1009368.236	882246.855	2880
1009368.215	882248.879	2760
1009396.33	882265.15	2580
1009396.29	882267.233	2280
1009396.707	882269.408	2400
1009396.56	882271.484	2520
1009396.766	882273.658	2820
1009396.852	882275.713	2760
1009397.22	882277.356	2880
1009397.399	882279.192	2460
1009397.924	882280.821	3000
1009397.89	882282.398	2880
1009397.896	882284.317	2580
1009397.443	882286.478	2880
1009397.631	882288.215	2580
1009397.954	882290.199	2760
1009398.495	882292.262	2520
1009398.729	882294.313	2820
1009399.22	882296.345	2880
1009399.438	882298.143	3060
1009399.784	882300.142	3300
1009399.769	882302.072	2580
1009399.952	882303.81	2280
1009399.929	882305.673	2220
1009400.33	882307.574	2580
1009400.642	882309.76	2400
1009400.862	882311.825	3180

Easting	Northing	CPM
1009302.682	882240.226	2340
1009302.636	882239.037	2460
1009301.795	882237.658	2520
1009300.867	882237.696	2820
1009299.56	882238.107	2100
1009299.287	882238.397	2640
1009299.292	882240.022	2340
1009299.346	882242.182	2400
1009299.199	882244.807	2220
1009299.124	882247.238	2700
1009298.676	882249.791	2640
1009298.466	882252.249	2700
1009298.172	882254.393	3300
1009298.117	882256.848	2580
1009297.897	882259.082	2580
1009297.865	882261.465	2280
1009297.732	882263.575	2640
1009297.925	882265.686	2880
1009297.765	882267.954	2580
1009297.972	882270.518	2160
1009297.932	882272.58	2640
1009297.922	882274.849	3000
1009297.945	882276.978	3060
1009297.971	882279.099	2400
1009297.815	882280.921	3060
1009298.018	882282.766	2820
1009298.046	882284.567	2820
1009297.966	882286.711	2880
1009297.802	882288.718	2280
1009297.766	882290.435	2700
1009297.929	882292.575	2700
1009297.739	882294.82	2340
1009297.679	882296.834	2340
1009297.409	882298.877	2400
1009297.56	882301.199	1920
1009297.494	882303.316	1920
1009297.578	882305.398	2160
1009297.742	882307.443	2520
1009297.742	882309.636	2700
1009297.483	882312.263	2880

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009400.99	882314.037	2460
1009400.986	882316.571	2160
1009401.325	882318.719	2760
1009401.275	882321.188	2460
1009401.43	882323.363	2520
1009401.3	882325.429	2760
1009401.664	882327.341	2460
1009401.958	882329.634	2580
1009402.671	882331.841	2580
1009402.724	882334.048	2880
1009403.03	882336.334	2700
1009403.022	882338.47	2700
1009403.569	882340.492	2640
1009403.981	882342.735	2880
1009405.195	882344.692	2280
1009405.407	882346.879	2580
1009405.606	882349.095	2520
1009404.825	882350.503	3060
1009404.831	882352.107	3000
1009404.762	882354.182	2820
1009405.54	882356.158	3000
1009406.098	882357.072	2760
1009406.242	882357.053	2280
1009405.862	882357.819	2520
1009406.267	882359.423	2100
1009406.212	882361.378	2760
1009407.011	882363.464	2580
1009407.212	882365.733	2520
1009407.92	882367.921	2460
1009408.086	882370.153	2280
1009408.706	882372.195	2640
1009409.083	882374.381	2220
1009409.738	882376.273	2280
1009410.481	882378.307	2880
1009411.329	882380.077	2580
1009411.986	882381.875	2640
1009412.799	882383.857	2460
1009413.719	882385.941	2520
1009414.529	882387.555	2400
1009415.04	882389.375	2460

Easting	Northing	CPM
1009297.493	882314.747	2700
1009296.994	882317.416	2640
1009297.072	882319.728	2700
1009296.912	882322.037	2940
1009297.061	882324.08	3180
1009297.108	882326.363	2280
1009297.354	882328.521	2340
1009297.509	882330.65	2040
1009297.993	882332.822	2460
1009298.222	882335.127	2340
1009298.448	882337.206	2880
1009298.376	882339.252	3000
1009298.448	882341.478	2940
1009298.497	882343.533	2340
1009298.775	882345.782	2760
1009298.68	882348.12	2940
1009298.775	882350.154	2520
1009298.964	882352.632	2880
1009298.977	882354.773	2520
1009299.073	882356.807	2880
1009298.971	882358.54	3120
1009298.727	882359.351	2940
1009298.525	882359.462	2100
1009298.415	882359.479	2400
1009298.294	882359.454	2280
1009298.132	882359.364	2280
1009298.608	882359.809	2760
1009299.129	882360.631	2820
1009298.481	882361.109	2400
1009297.024	882360.839	2880
1009295.375	882360.748	3060
1009293.342	882360.489	2700
1009291.314	882360.392	2760
1009288.948	882360.266	2700
1009286.855	882360.473	2880
1009284.644	882360.495	2460
1009282.635	882360.635	2880
1009280.371	882360.762	2520
1009278.205	882360.928	2340
1009275.984	882360.905	2340

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009415.741	882391.057	2460
1009416.35	882392.954	2520
1009417.128	882394.691	2460
1009417.672	882396.499	2640
1009418.066	882398.391	2640
1009418.487	882400.173	2460
1009419.026	882402.108	2700
1009419.633	882403.745	2580
1009420.34	882405.344	2400
1009421.221	882406.977	2880
1009421.8	882408.938	3060
1009422.452	882410.843	2880
1009422.818	882412.902	2580
1009423.439	882414.746	2340
1009423.341	882416.704	2100
1009423.682	882418.535	2160
1009424.039	882420.395	2460
1009424.94	882421.894	2700
1009425.435	882423.5	2580
1009426.244	882425.081	2520
1009426.946	882426.595	2340
1009427.755	882428.12	3180
1009428.33	882429.477	2640
1009429.283	882430.873	2460
1009430.216	882432.609	2460
1009430.993	882434.222	2940
1009431.53	882435.687	2880
1009432.697	882437.291	2820
1009433.587	882438.355	2760
1009434.673	882440.012	3060
1009435.338	882441.244	3540
1009435.804	882442.653	2880
1009436.559	882443.739	3060
1009436.861	882445.283	2700
1009437.688	882446.545	2700
1009438.025	882448.031	2520
1009438.683	882449.742	2700
1009438.805	882451.602	2940
1009439.59	882453.348	2580
1009439.948	882455.249	2880

Easting	Northing	CPM
1009273.978	882361.272	2460
1009272.387	882360.885	2040
1009270.719	882360.511	2100
1009269.133	882359.956	2460
1009268.467	882359.047	2040
1009376.106	882213.699	2220
1009376.115	882213.7	1800
1009376.113	882213.693	1980
1009376.11	882213.686	2100
1009376.108	882213.68	1560
1009376.106	882213.674	1680
1009376.01	882213.69	1560
1009375.863	882213.718	2100
1009375.927	882213.739	1680
1009375.883	882213.843	1980
1009375.739	882213.892	1860
1009375.724	882213.876	2220
1009375.58	882213.915	1560
1009375.828	882213.552	1560
1009376.243	882213.129	1440
1009376.288	882212.996	1920
1009376.037	882213.054	2040
1009375.914	882213.169	2040
1009375.984	882213.257	2040
1009376.001	882213.368	1800
1009376.135	882213.438	1440
1009376.227	882213.416	1860
1009376.223	882213.393	1860
1009376.202	882213.383	1800
1009376.208	882213.377	1620
1009376.223	882213.38	1500
1009376.222	882213.403	1680
1009376.164	882213.382	1680
1009376.203	882213.382	1740
1009376.139	882213.552	1320
1009376.548	882213.634	1260
1009376.943	882213.538	1440
1009376.886	882213.485	1740
1009376.856	882213.463	2100
1009376.869	882213.438	1860

# Survey Unit: CE-FSS-23-05

## Gamma Walkover Survey

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

Easting	Northing	CPM
1009441.136	882456.759	3360
1009441.516	882458.517	2700
1009442.171	882460.156	2400
1009442.329	882462.028	2580
1009442.939	882463.252	2640
1009443.222	882464.787	2640
1009444.077	882466.375	2280
1009444.662	882468.089	2880
1009445.669	882469.672	2820
1009446.414	882471.388	2640
1009447.416	882473.155	3240
1009448.224	882475.282	3000
1009449.43	882476.801	3240
1009450.067	882478.45	2640
1009450.921	882479.705	2820
1009451.699	882481.316	2820
1009452.758	882482.893	2880
1009453.056	882484.488	3120
1009453.098	882486.194	2940
1009452.874	882487.544	2400
1009452.196	882489.227	2400
1009451.667	882490.5	2040
1009451.774	882490.366	2160
1009451.761	882490.16	2700
1009451.684	882490.235	2880
1009451.788	882490.134	2880
1009451.832	882490.131	2760
1009451.753	882490.203	2760
1009451.778	882490.245	2580

Easting	Northing	CPM
1009376.922	882213.477	1560
1009377	882213.54	1200
1009377.011	882213.534	2340
1009376.947	882213.509	1800
1009376.99	882213.432	1620
1009377.063	882213.383	1860
1009377.054	882213.491	1620
1009377.013	882213.548	1440
1009377.123	882213.505	1920
1009376.725	882213.885	1980
1009375.532	882215.746	2460
1009374.366	882216.351	2640
1009373.626	882216.647	2520
1009373.531	882216.837	2100
1009373.711	882216.686	2280
1009373.765	882216.724	2220
1009373.852	882216.514	2220
1009373.094	882216.176	2460
1009371.07	882215.975	2700
1009368.953	882216.231	2820
1009367.015	882217.183	2520
1009366.013	882217.791	2460
1009365.865	882218.013	2820
1009365.983	882218.031	2460
1009365.884	882217.966	2940
1009365.76	882217.968	3000
1009365.664	882217.98	3000
1009365.742	882217.985	2700
1009365.947	882218.016	2640

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 <sup>1</sup>	Media	Volume	Description if necessary	Analysis			
FSS-23-05- 001 - 01	09-07-11	0705	Rad	Soil	1 pint					
FSS-23-05- 002 - 01		0710	Rad	Soil	1 pint					
FSS-23-05- 003 - 01		0715	Rad	Soil	1 pint					
FSS-23-05- 004 - 01		0720	Rad	Soil	1 pint					
FSS-23-05- 005 - 01		0725	Rad	Soil	1 pint					
FSS-23-05- 005 - 1S		0725	Rad	Soil	1 pint					
FSS-23-05- 006 - 01		0730	Rad	Soil	1 pint					
FSS-23-05- 007 - 01		0735	Rad	Soil	1 pint					
FSS-23-05- 008 - 01		0740	Rad	Soil	1 pint					
FSS-23-05- 009 - 01		0745	Rad	Soil	1 pint					
FSS-23-05- 010 - 01		0750	Rad	Soil	1 pint					
FSS-23-05- 011 - 01		0755	Rad	Soil	1 pint					
FSS-23-05- 012 - 01		0800	Rad	Soil	1 pint					
FSS-23-05- 013 - 01		0805	Rad	Soil	1 pint					
FSS-23-05- 014 - 01	09-07-11	0810	Rad	Soil	1 pint					

Relinquished By:	<i>Ronald R. Cano</i>	Received By:		<sup>1</sup> Type
Signed/Date/Time	<i>Ran Cano 9-7-11 @ 1015</i>	Signed/Date/Time		RS-Radioactive
Received By:	Brianna Sullivan	Relinquished By:		Chem-Chemical
Signed/Date/Time	<i>[Signature] 9-7-11 @ 1015</i>	Signed/Date/Time		Mix-Rad+Chemica
Relinquished By:		Received By:		
Signed/Date/Time		Signed/Date/Time		

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-001  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-001  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.064E+003 g  
 Sample Taken On: 9/7/2011 7:05:00 AM  
 Acquisition Started: 9/7/2011 7:02:48 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		1.34E+001	1.88E+000	8.99E-001
CO-60	U	-3.75E-002	6.96E-002	8.67E-002
SB-125	UI	1.12E-001	1.28E-001	2.22E-001
CS-137	U	1.79E-002	5.90E-002	9.10E-002
Ra-226		5.29E-001	8.12E-002	1.37E-001
TH-230	U	5.35E+000	1.86E+001	2.46E+001
PA-231	UI	1.32E+000	1.26E+000	2.05E+000
Th-231		1.29E+000	7.21E-001	1.14E+000
Th-232		4.84E-001	6.02E-002	1.10E-001
PA-234M	U	-1.65E+000	7.40E+000	1.29E+001
U-234	U	8.98E+001	8.31E+001	1.20E+002
U-235	UI	6.51E-002	5.87E-002	9.62E-002
U-238		1.24E+000	1.54E+000	1.43E+000
AM-241	U	6.22E-002	2.35E-001	3.13E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-002  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-002  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.015E+003 g  
 Sample Taken On: 9/7/2011 7:10:00 AM  
 Acquisition Started: 9/7/2011 7:22:00 PM  
 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		1.61E+001	2.09E+000	7.04E-001
CO-60	U	4.35E-002	4.30E-002	1.01E-001
SB-125	U	6.81E-002	1.73E-001	2.68E-001
CS-137	U	5.40E-002	6.76E-002	1.14E-001
Ra-226		6.03E-001	1.21E-001	1.63E-001
TH-230	U	-1.84E+001	2.13E+001	2.45E+001
PA-231	U	-2.19E+000	2.37E+000	2.86E+000
Th-231		9.13E-001	9.89E-001	8.59E-001
Th-232		6.89E-001	9.74E-002	1.73E-001
PA-234M	U	-3.26E+000	8.85E+000	1.23E+001
U-234	U	-2.56E+001	8.87E+001	1.10E+002
U-235	UI	7.59E-002	6.58E-002	1.08E-001
U-238	U	1.40E+000	1.03E+000	1.66E+000
AM-241	U	2.31E-001	2.44E-001	3.46E-001

Uncertainty reported at 1.9600 sigma



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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-003  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-003  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.068E+003 g  
 Sample Taken On: 9/7/2011 7:15:00 AM  
 Acquisition Started: 9/7/2011 7:43:31 PM  
 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		1.54E+001	2.01E+000	7.88E-001
CO-60	U	3.52E-002	7.27E-002	1.26E-001
SB-125	U	7.06E-003	1.67E-001	2.43E-001
CS-137	U	-5.20E-002	8.47E-002	1.11E-001
Ra-226		5.67E-001	9.07E-002	1.61E-001
TH-230	U	6.42E+000	1.93E+001	2.57E+001
PA-231	U	-1.77E+000	2.42E+000	3.08E+000
Th-231	U	1.33E+000	7.76E-001	1.25E+000
Th-232		6.84E-001	9.52E-002	1.94E-001
PA-234M	U	3.47E+000	7.04E+000	1.23E+001
U-234	U	3.76E+001	8.86E+001	1.20E+002
U-235		8.78E-002	7.41E-002	1.17E-001
U-238	U	1.05E+000	1.04E+000	1.63E+000
AM-241	U	-9.81E-003	2.67E-001	3.39E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-004  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-004  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 9.758E+002 g  
 Sample Taken On: 9/7/2011 7:20:00 AM  
 Acquisition Started: 9/7/2011 8:01:48 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		1.63E+001	2.16E+000	9.05E-001
CO-60	U	1.89E-002	7.01E-002	1.19E-001
SB-125	U	1.58E-002	1.63E-001	2.42E-001
CS-137		3.52E-002	3.84E-002	6.20E-002
Ra-226		5.91E-001	9.59E-002	1.77E-001
TH-230	U	7.59E-001	2.11E+001	2.72E+001
PA-231	UI	1.13E+000	1.36E+000	2.26E+000
Th-231	U	5.62E-001	7.93E-001	1.23E+000
Th-232		7.36E-001	1.14E-001	1.36E-001
PA-234M	U	-3.54E-001	9.23E+000	1.34E+001
U-234	U	2.44E+001	9.68E+001	1.28E+002
U-235	U	6.24E-002	7.98E-002	1.22E-001
U-238	U	4.44E-001	1.02E+000	1.56E+000
AM-241	U	1.56E-001	2.41E-001	3.37E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-005  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-005  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 9.955E+002 g  
 Sample Taken On: 9/7/2011 7:25:00 AM  
 Acquisition Started: 9/7/2011 8:19:53 PM  
 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		1.71E+001	2.19E+000	7.93E-001
CO-60	U	4.44E-003	7.71E-002	1.15E-001
SB-125	U	-1.95E-002	1.83E-001	2.58E-001
CS-137	U	-2.25E-002	8.09E-002	1.13E-001
Ra-226		6.66E-001	1.03E-001	1.94E-001
TH-230	U	-3.41E-001	2.26E+001	2.89E+001
PA-231	U	-2.04E+000	2.51E+000	3.18E+000
Th-231		1.43E+000	1.27E+000	8.83E-001
Th-232		7.30E-001	1.01E-001	1.77E-001
PA-234M	U	5.93E+000	7.57E+000	1.38E+001
U-234	U	2.75E+001	9.75E+001	1.30E+002
U-235	U	2.50E-002	8.14E-002	1.18E-001
U-238		1.32E+000	1.08E+000	1.73E+000
AM-241	U	3.15E-002	2.68E-001	3.48E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-005S  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-005S  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 9.408E+002 g  
 Sample Taken On: 9/7/2011 7:25:00 AM  
 Acquisition Started: 9/7/2011 8:38:20 PM  
 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		1.80E+001	2.30E+000	7.62E-001
CO-60	U	-9.80E-003	8.34E-002	1.23E-001
SB-125	U	1.46E-002	1.65E-001	2.45E-001
CS-137	U	-1.42E-002	7.37E-002	1.05E-001
Ra-226		5.78E-001	1.01E-001	1.71E-001
TH-230	U	-4.84E+000	1.92E+001	2.83E+001
PA-231	U	-2.89E+000	2.78E+000	3.30E+000
Th-231		5.95E-001	6.58E-001	1.09E+000
Th-232		7.03E-001	1.02E-001	2.10E-001
PA-234M	U	3.98E+000	9.49E+000	1.57E+001
U-234	U	-1.48E+001	1.06E+002	1.34E+002
U-235	UI	8.82E-002	6.74E-002	1.09E-001
U-238		6.68E-001	4.95E-001	1.68E+000
AM-241	U	-6.86E-002	2.88E-001	3.54E-001

Uncertainty reported at 1.9600 sigma

# QC Analysis Comparison

Table D-1

FSS Quality Control Accuracy and Precision Comparison										
Isotope	Sample ID CE-FSS- FSS-23-05-005				Sample ID CE-FSS- FSS-23-05-005S					
	Activity Value (pCi/g)	Uncert.	Resolution	Agreement Range	Activity Value (pCi/g)	Uncert.	Agreement Ratio (Accuracy)	% Deviation (Precision)	Acceptable	Comments
Ra-226	6.66E-01	5.23E-02	13	0.6 - 1.66	5.78E-01	5.16E-02	0.87	7.1	Yes	N/A
K-40	1.71E+01	1.12E+00	15	0.6 - 1.66	1.80E+01	1.17E+00	1.05	-2.6	Yes	N/A
Th-232	7.30E-01	5.14E-02	14	0.6 - 1.66	7.03E-01	5.19E-02	0.96	1.8	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

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-006  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-006  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.075E+003 g  
 Sample Taken On: 9/7/2011 7:30:00 AM  
 Acquisition Started: 9/7/2011 8:57:15 PM  
 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		1.44E+001	2.01E+000	1.28E+000
CO-60	U	-4.65E-002	9.41E-002	1.18E-001
SB-125	U	1.55E-001	1.48E-001	2.53E-001
CS-137	U	2.81E-002	6.32E-002	1.03E-001
Ra-226		6.21E-001	8.99E-002	1.43E-001
TH-230	U	-1.43E+000	2.01E+001	2.51E+001
PA-231	U	-2.54E+000	2.32E+000	2.78E+000
Th-231	U	8.86E-001	7.03E-001	1.13E+000
Th-232		7.72E-001	7.84E-002	1.24E-001
PA-234M	U	6.99E+000	7.67E+000	1.40E+001
U-234	U	1.83E+001	9.47E+001	1.25E+002
U-235	U	1.20E-001	7.36E-002	1.20E-001
U-238	U	1.27E+000	1.03E+000	1.63E+000
AM-241	U	-2.59E-001	2.52E-001	2.81E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-007  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-007  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.026E+003 g  
 Sample Taken On: 9/7/2011 7:35:00 AM  
 Acquisition Started: 9/7/2011 9:15:39 PM  
 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		1.54E+001	2.06E+000	9.91E-001
CO-60	U	-2.54E-002	7.95E-002	9.50E-002
SB-125	U	8.84E-002	1.69E-001	2.68E-001
CS-137	U	1.94E-002	5.96E-002	9.62E-002
Ra-226		5.48E-001	9.25E-002	1.79E-001
TH-230	U	1.17E+001	2.00E+001	2.68E+001
PA-231	U	-1.11E+000	2.15E+000	2.83E+000
Th-231		9.89E-001	3.52E-001	1.03E+000
Th-232		5.53E-001	6.10E-002	1.51E-001
PA-234M	U	-1.17E+000	9.36E+000	1.36E+001
U-234	U	-3.49E+000	9.49E+001	1.22E+002
U-235	U	6.94E-002	8.88E-002	1.32E-001
U-238	U	1.11E+000	1.06E+000	1.66E+000
AM-241	U	8.93E-003	2.55E-001	3.30E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-008  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-008  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.087E+003 g  
 Sample Taken On: 9/7/2011 7:40:00 AM  
 Acquisition Started: 9/7/2011 9:34:22 PM  
 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		1.47E+001	1.94E+000	7.06E-001
CO-60	U	-3.00E-002	8.85E-002	1.17E-001
SB-125	U	-5.62E-002	1.55E-001	2.12E-001
CS-137	U	8.54E-003	7.01E-002	1.06E-001
Ra-226		5.89E-001	9.50E-002	1.52E-001
TH-230	U	-7.71E+000	1.98E+001	2.41E+001
PA-231	U	-3.75E+000	2.53E+000	2.71E+000
Th-231	U	1.89E-001	7.53E-001	1.12E+000
Th-232		6.26E-001	5.77E-002	1.63E-001
PA-234M	U	-2.54E+000	7.93E+000	1.12E+001
U-234	U	4.75E+001	8.55E+001	1.18E+002
U-235	U	9.40E-002	7.15E-002	1.14E-001
U-238	U	1.24E+000	9.80E-001	1.57E+000
AM-241	U	-1.47E-001	2.43E-001	2.89E-001

Uncertainty reported at 1.9600 sigma



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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-009  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-009  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.041E+003 g  
 Sample Taken On: 9/7/2011 7:45:00 AM  
 Acquisition Started: 9/7/2011 10:04:16 PM  
 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		1.59E+001	2.07E+000	8.16E-001
CO-60	U	5.69E-002	7.06E-002	1.32E-001
SB-125	U	3.09E-003	1.40E-001	2.09E-001
CS-137	U	1.63E-002	6.99E-002	1.08E-001
Ra-226		5.34E-001	9.88E-002	1.78E-001
TH-230	U	1.04E+000	2.18E+001	2.77E+001
PA-231	U	-1.05E+000	2.15E+000	3.00E+000
Th-231		1.26E+000	7.03E-001	1.11E+000
Th-232		6.66E-001	1.18E-001	2.66E-001
PA-234M	U	3.19E+000	8.40E+000	1.37E+001
U-234	U	3.75E+001	9.83E+001	1.32E+002
U-235	U	3.57E-002	7.73E-002	1.14E-001
U-238	U	6.11E-001	1.05E+000	1.61E+000
AM-241	U	3.29E-002	2.48E-001	3.21E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-010  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-010  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.103E+003 g  
 Sample Taken On: 9/7/2011 7:50:00 AM  
 Acquisition Started: 9/7/2011 10:26:48 PM  
 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		1.43E+001	1.92E+000	9.05E-001
CO-60	U	2.48E-002	7.20E-002	1.19E-001
SB-125	U	-1.62E-002	1.43E-001	2.06E-001
CS-137	U	-6.66E-003	7.17E-002	9.58E-002
Ra-226		6.70E-001	9.81E-002	1.52E-001
TH-230	U	1.36E+001	1.94E+001	2.66E+001
PA-231	U	-3.50E+000	2.35E+000	2.59E+000
Th-231	U	1.00E+000	7.43E-001	1.18E+000
Th-232		7.72E-001	1.15E-001	1.12E-001
PA-234M	U	3.84E+000	7.79E+000	1.32E+001
U-234	U	-3.12E+001	9.12E+001	1.09E+002
U-235		1.45E-001	7.38E-002	1.10E-001
U-238	U	7.39E-001	9.49E-001	1.48E+000
AM-241	U	1.13E-002	2.44E-001	3.14E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-010LR  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-010LR  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.103E+003 g  
 Sample Taken On: 9/7/2011 7:50:00 AM  
 Acquisition Started: 9/8/2011 1:41:44 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		1.66E+001	2.05E+000	6.96E-001
CO-60	U	1.11E-002	6.12E-002	1.01E-001
SB-125		2.27E-001	3.05E-001	2.58E-001
CS-137	U	-4.18E-003	6.27E-002	9.27E-002
Ra-226		5.81E-001	8.62E-002	1.57E-001
TH-230	U	-1.09E+001	2.10E+001	2.50E+001
PA-231	U	-1.23E+000	2.21E+000	2.81E+000
Th-231	U	-2.22E-001	3.06E-001	1.23E+000
Th-232		6.66E-001	1.22E-001	1.34E-001
PA-234M	U	6.89E-001	7.36E+000	1.16E+001
U-234	U	7.68E-001	8.74E+001	1.11E+002
U-235	U	6.43E-002	7.88E-002	1.18E-001
U-238	U	1.02E+000	1.01E+000	1.58E+000
AM-241	U	-1.07E-001	2.57E-001	3.13E-001

Uncertainty reported at 1.9600 sigma

## QC Analysis Comparison

Table D-2

FSS Quality Control Accuracy and Precision Comparison										
Isotope	Sample ID CE- FSS-23-05-010				Sample ID CE- FSS-23-05-010LR					
	Activity Value (pCi/g)	Uncert.	Resolution	Agreement Range	Activity Value (pCi/g)	Uncert.	Agreement Ratio (Accuracy)	% Deviation (Precision)	Acceptable	Comments
Ra-226	6.70E-01	5.00E-02	13	0.6 - 1.66	5.81E-01	4.40E-02	0.87	7.1	Yes	N/A
Th-232	7.72E-01	5.88E-02	13	0.6 - 1.66	6.66E-01	6.21E-02	0.86	7.4	Yes	N/A
K-40	1.43E+01	9.80E-01	15	0.6 - 1.66	1.66E+01	1.05E+00	1.16	-7.4	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

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-011  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-011  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.039E+003 g  
 Sample Taken On: 9/7/2011 7:55:00 AM  
 Acquisition Started: 9/7/2011 10:45:42 PM  
 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		1.64E+001	2.13E+000	9.78E-001
CO-60	U	-2.33E-002	8.31E-002	9.85E-002
SB-125	U	2.81E-002	1.48E-001	2.25E-001
CS-137	U	-2.77E-002	7.17E-002	9.84E-002
Ra-226		5.25E-001	1.01E-001	1.67E-001
TH-230	U	1.37E+000	1.98E+001	2.55E+001
PA-231	U	-2.64E+000	2.34E+000	2.77E+000
Th-231	U	5.45E-001	8.15E-001	1.25E+000
Th-232		7.81E-001	1.13E-001	1.69E-001
PA-234M	U	2.92E+000	9.38E+000	1.50E+001
U-234	U	6.62E+001	8.76E+001	1.22E+002
U-235	U	6.50E-002	7.45E-002	1.15E-001
U-238	U	8.03E-001	1.03E+000	1.60E+000
AM-241	U	-7.47E-002	2.70E-001	3.35E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-012  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-012  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.063E+003 g  
 Sample Taken On: 9/7/2011 8:00:00 AM  
 Acquisition Started: 9/7/2011 11:10:25 PM  
 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		1.44E+001	1.95E+000	8.20E-001
CO-60	U	-2.36E-002	7.41E-002	1.05E-001
SB-125	U	-2.42E-002	1.43E-001	2.02E-001
CS-137	U	8.47E-002	7.16E-002	1.27E-001
Ra-226		5.22E-001	8.99E-002	1.84E-001
TH-230	U	8.37E-001	2.05E+001	2.63E+001
PA-231	U	-8.50E-001	1.62E+000	2.64E+000
Th-231	U	1.15E+000	7.30E-001	1.18E+000
Th-232		6.55E-001	9.20E-002	1.50E-001
PA-234M	U	1.37E+000	8.19E+000	1.29E+001
U-234	U	9.85E+000	8.27E+001	1.09E+002
U-235	UI	5.35E-002	6.04E-002	1.01E-001
U-238	U	1.56E+000	1.01E+000	1.62E+000
AM-241	U	-7.65E-002	2.67E-001	3.32E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-013  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-013  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.022E+003 g  
 Sample Taken On: 9/7/2011 8:05:00 AM  
 Acquisition Started: 9/7/2011 11:46:01 PM  
 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		1.73E+001	2.22E+000	1.10E+000
CO-60	U	-2.57E-002	8.27E-002	1.09E-001
SB-125	U	1.84E-002	1.76E-001	2.61E-001
CS-137	U	-3.17E-002	7.55E-002	1.00E-001
Ra-226		6.17E-001	1.05E-001	1.80E-001
TH-230	U	-8.35E+000	2.16E+001	2.64E+001
PA-231	U	-3.50E-001	2.49E+000	3.31E+000
Th-231	U	1.06E+000	8.15E-001	1.29E+000
Th-232		8.77E-001	1.45E-001	1.40E-001
PA-234M	U	-2.94E+000	9.10E+000	1.25E+001
U-234	U	3.26E+000	9.63E+001	1.23E+002
U-235	UI	7.22E-002	5.57E-002	8.96E-002
U-238	U	3.06E-001	1.08E+000	1.62E+000
AM-241	U	-3.56E-001	2.91E-001	3.19E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-014  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-014  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 9.672E+002 g  
 Sample Taken On: 9/7/2011 8:10:00 AM  
 Acquisition Started: 9/8/2011 12:05:36 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		1.60E+001	2.17E+000	1.05E+000
CO-60	U	-2.86E-002	7.82E-002	1.06E-001
SB-125	U	-5.39E-002	1.70E-001	2.35E-001
CS-137	U	-1.93E-002	7.52E-002	1.04E-001
Ra-226		5.54E-001	1.05E-001	2.44E-001
TH-230	U	-5.88E+000	2.27E+001	2.83E+001
PA-231	U	-8.76E-001	2.31E+000	3.05E+000
Th-231	U	5.40E-001	7.96E-001	1.23E+000
Th-232		6.28E-001	9.76E-002	1.83E-001
PA-234M	U	6.73E+000	9.59E+000	1.66E+001
U-234	U	5.13E+001	9.39E+001	1.29E+002
U-235	U	1.04E-001	8.36E-002	1.32E-001
U-238	U	1.18E+000	1.12E+000	1.77E+000
AM-241	U	-1.91E-001	2.79E-001	3.27E-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 \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-015  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-015  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.084E+003 g  
 Sample Taken On: 9/7/2011 8:15:00 AM  
 Acquisition Started: 9/8/2011 12:33:32 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		1.49E+001	1.96E+000	7.83E-001
CO-60	U	2.58E-003	7.36E-002	1.03E-001
SB-125	U	7.57E-002	1.63E-001	2.56E-001
CS-137	U	7.19E-002	5.87E-002	1.09E-001
Ra-226		5.32E-001	9.75E-002	1.54E-001
TH-230	U	-5.01E+000	1.69E+001	2.38E+001
PA-231	UI	1.27E+000	1.17E+000	2.30E+000
Th-231	U	1.07E+000	7.24E-001	1.17E+000
Th-232		5.87E-001	1.02E-001	1.78E-001
PA-234M	U	-1.42E+000	8.98E+000	1.29E+001
U-234	U	3.87E+001	7.94E+001	1.09E+002
U-235	U	9.81E-002	7.38E-002	1.17E-001
U-238	U	1.26E+000	9.45E-001	1.52E+000
AM-241	U	-1.77E-001	2.53E-001	2.99E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-016  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-016  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.093E+003 g  
 Sample Taken On: 9/7/2011 8:20:00 AM  
 Acquisition Started: 9/8/2011 12:56:16 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		1.70E+001	2.10E+000	8.21E-001
CO-60	U	-2.41E-003	7.85E-002	1.13E-001
SB-125	UI	9.45E-002	1.47E-001	2.40E-001
CS-137	U	-3.61E-003	8.10E-002	1.15E-001
Ra-226		5.91E-001	9.20E-002	1.75E-001
TH-230	U	1.78E+000	2.04E+001	2.63E+001
PA-231	U	-7.59E-002	2.09E+000	2.93E+000
Th-231		1.11E+000	6.36E-001	1.00E+000
Th-232		7.67E-001	1.11E-001	1.98E-001
PA-234M	U	-3.50E+000	9.15E+000	1.23E+001
U-234	U	2.42E+001	9.39E+001	1.24E+002
U-235	U	1.16E-001	7.40E-002	1.19E-001
U-238	U	1.75E+000	9.99E-001	1.62E+000
AM-241	U	1.46E-003	2.71E-001	3.43E-001

Uncertainty reported at 1.9600 sigma

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 \*\*\*\*\* C E R T I F I C A T E O F A N A L Y S I S \*\*\*\*\*  
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Site Location: CE Windsor  
 Sample ID: FSS-23-05-017  
 Sample Title: CE-FSS-23-05  
 Sample Description: FSS-23-05-017  
 Detector Name: 25%HPGE  
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FUSRAP\_R4.NLB  
 Sample Size: 1.025E+003 g  
 Sample Taken On: 9/7/2011 8:25:00 AM  
 Acquisition Started: 9/8/2011 1:22:14 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		1.43E+001	1.97E+000	8.93E-001
CO-60	U	9.63E-003	7.41E-002	1.09E-001
SB-125	UI	5.09E-002	1.55E-001	2.39E-001
CS-137	U	2.51E-003	6.85E-002	1.03E-001
Ra-226		5.90E-001	1.14E-001	2.00E-001
TH-230	U	-6.12E+000	2.17E+001	2.66E+001
PA-231	U	-9.82E-001	2.22E+000	2.94E+000
Th-231		4.05E-001	4.40E-001	7.37E-001
Th-232		7.59E-001	9.38E-002	1.44E-001
PA-234M	U	-2.13E+000	7.16E+000	1.01E+001
U-234	U	4.36E+001	8.48E+001	1.17E+002
U-235	U	8.66E-002	8.13E-002	1.26E-001
U-238	U	7.38E-001	1.03E+000	1.59E+000
AM-241	U	7.03E-002	2.67E-001	3.52E-001

Uncertainty reported at 1.9600 sigma