

ZionSolutions, LLC.
Technical Support Document



TSD 17-007

**Evaluation of Static Measurements Performed for
Unconditional Release Surveys of Building Materials Used
for Backfill at the Zion Decommissioning Project**

Revision 0

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1 Executive Summary

Between April 2014 and August 2016, unconditional release (a.k.a. “free-release”) surveys were conducted on multiple buildings to support building demolition and a) the beneficial re-use of concrete as backfill material where no licensed materials were identified and b) the unconditional release of non-concrete materials from the site. The criteria that were applied, as delineated in ZS-LT-400-001-001, Unconditional Release of Material, Equipment and Secondary Structures [1], were based on scan measurements of 87 survey units. During the execution of the surveys, an average of approximately 9 ambient background measurements were collected for each survey unit with a minimum of one (1) and up to 19, depending on the survey unit. Also, a total of 4,734 static (fixed-point) measurements using a one-minute count time were collected across all survey units with an average of 54 static measurements per survey unit.

Following demolition and backfill, the NRC staff requested additional information [2] as part of the review of Zion’s License Termination Plan regarding the unconditional release survey data and its comparison to the criteria specified in NUREG-1575, Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) [3]). In order to provide this additional information, this evaluation was prepared and will be submitted to NRC for review.

This evaluation provides two determinations for the null hypothesis (Scenario A), a defined discrimination level and Type I and II decision errors as follows:

- Whether the static measurements collected for each survey unit would have passed the Sign test described in MARSSIM, and,
- Whether a sufficient number of static measurements would have been made if MARSSIM had been used as a survey design method.

In order to perform this analysis, the ambient background data was used to determine a unique critical level (Lc) for each survey unit. This critical level was calculated for a type 1 error rate of 5%. In other words, this analysis uses the presumption that there is a 5% chance that an incorrect conclusion will result (i.e., that a survey unit would be released when it should have failed). We recognize that in our draft RAI response to NRC staff to provide additional information [2], we indicated that our previous response that referred to the use of a “critical level” was erroneously used in [1] and that in-fact, the critical level was not used as part of the unconditional release acceptance criteria. We also noted that our implementing procedures do not apply the critical level to our evaluations which remains to be the case. However, we have applied the critical level in this evaluation to conservatively demonstrate whether compliance with MARSSIM survey design would have been met. Lastly, our RAI response indicates that we will provide the NRC staff with additional information regarding the scan survey results and evaluation which will be provided as a separate technical support document.

The analysis shows that all 87 survey units pass the Sign test when using the critical level (Lc) as a surrogate DCGL. In this analysis, two (2) of the survey units contained only one (1) ambient background measurement which prevents the calculation of a standard deviation for these units. Therefore, for these units, the average coefficient of variation for all 758 ambient background measurements was scaled against the measured ambient background value as an estimate of the standard deviation.

The design and implementation of the unconditional release surveys was similar to MARSSIM surveys regarding the use of data quality objectives and data quality assessment processes. Three principal differences between a MARSSIM survey design and our design for the unconditional release surveys were:

- Our survey design generally selected more fixed-measurement locations for each survey unit than what a MARSSIM design would dictate.
- The selection of the fixed-point measurement locations was biased to locations that may have contained licensed materials rather than using a random process whereas a MARSSIM design would be predicated on a random selection process (depending on classification).
- The acceptance criteria was based on the scan results rather than the fixed point measurement results using a discrete acceptance criteria of scan-MDCR plus the background count rate for each survey unit during scanning. In a MARSSIM-designed survey, the scan-MDCR is compared against the $DCGL_{EMC}$ which was not used for unconditional release surveys.

The data clearly shows that the scan measurement data and the static measurement data both meet the unconditional release acceptance criteria that was applied. In other words, all individual measurements (scan and static) were less than the scan-MDCR plus background and that all measurements were less than $5000 \text{ dpm}/100\text{cm}^2$. This analysis also shows that all static measurements for each survey unit separately would pass the sign test criteria when we conservatively use a DCGL that corresponds to the critical level for each survey unit. Furthermore, this analysis identifies six survey units where the number of static measurements were less than what would have been prescribed by MARSSIM while still passing the Sign test criteria as described above. However, as noted in [2], some of these units would have been combined with other larger adjacent units thereby eliminating this condition had the survey been designed and implemented as MARSSIM surveys.

Lastly, we will apply a very conservative dose for the materials used for backfill where we assume that all surfaces contain residual radioactivity at either $5000 \text{ dpm}/100\text{cm}^2$ or at the maximum observed value corresponding to the MDCR plus background count rate. The corresponding dose associated with $5000 \text{ dpm}/100\text{cm}^2$ is 0.7 mrem.

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2 Introduction

During April 2014 through August 2016, *ZionSolutions* personnel conducted unconditional release surveys (URS) on dozens of structures. This evaluation addresses the following seven (7) major structures:

- Cribhouse
- East and West Service Buildings
- Interim Radwaste Storage Facility (IRSF)
- Turbine Building
- Unit 1 and 2 Containments Exterior Surfaces

These surveys were designed and implemented in accordance with ZS-LT-400-001-001 where the principal acceptance criterion for unconditional release was applied to scan measurements. A total of 87 survey units were designated as part of the survey campaign and the survey design included ambient background measurements, surface scans, static measurements (taken at the location of the highest scan reading), and loose surface contamination measurements (smears). The survey results showed that all scan measurements passed the acceptance criteria, but the background and fixed point measurements were not specifically evaluated. The ambient background measurements were used to calculate a minimum detectable count rate (MDCR) which was used to develop the scanning acceptance criterion. In the implementation of these surveys, this acceptance criterion was used to establish an alarm setpoint on the measurement instrument representing the background count rate plus the calculated MDCR for each survey unit. In addition to this acceptance criterion, the surveyors were trained to identify and re-evaluate areas where there was an increase in the instrument's audible signal (click-rate).

Within the 87 survey units, a total of 4,734 static measurements and 758 individual ambient background measurements were made and recorded. Since all of the scan data met the acceptance criteria, the buildings were unconditionally released. To date, the material was primarily used to backfill the Cribhouse. The Turbine Building was backfilled with clean soil from offsite and partially with concrete (approximately 8 feet).

In parallel with the execution of the URS of the subject buildings, the license termination plan (LTP) had been prepared and submitted for review to the Nuclear Regulatory Commission (NRC) staff. During the review process, the NRC issued to *ZionSolutions* three rounds of Requests for Additional Information, or RAIs. One of the RAIs specifically requested additional information and analysis of the surveys using a MARSSIM-based statistical analysis. This evaluation provides the analysis of the static measurements and ambient background results using MARSSIM-based analysis techniques as well as a retrospective analysis of the survey designs.

3 Methods

3.1 Available Data

Table 1 shows a summary of the survey data collected for the URS of each of the major buildings. As shown in the table information, each building was divided into survey units and classified using guidance from MARSSIM. This was based on information contained in Zion's Historical Site Assessment (HSA). For each building listed in Table 1, the scan percentage and number of static measurements are provided. In addition, the mean number of static measurements per survey unit and the smallest (minimum) number of static measurements collected in a survey unit for each building are shown.

For all static measurements, a Ludlum model 43-68 detector connected to a Ludlum model 2350-1 data logger/scaler was used. This detector is a 100 cm² gas flow proportional detector that can be used for measurement of alpha and/or beta radiation. For these surveys, only beta measurements were conducted. For some areas, a 600 cm² floor monitor was used but this data is not assessed in this evaluation.

Table 1: Summary of Survey Data

	No. Survey Areas	No. of Survey Units				Scan Percentage			No. of Statics	Mean No. of Statics per Area	Minimum No. of Statics in an Area
		Class 1	Class 2	Class 3	Total	Class 1	Class 2	Class 3			
Turbine Building	57	1	115	64	180	100	25	5	3172	56	10 ¹
East & West Service Buildings	20	2	13	35	50	100	25	5-10	1047	52	4 ²
IRSF	4	NA	5	4	9	NA	25	5	254	64	35
U1 and U2 Containment	2	NA	4	2	6	NA	25-100	5	65	33	30
Cribhouse	4	NA	4	6	10	NA	5-25	5-10	196	49	42

¹ This minimum is from a single survey unit (06902C - Turbine Building South Exterior (873 m²))

² This minimum is from a single survey unit (07200C - West Service Building Stair S3 (53 m²))

For each survey unit, ambient background measurements were taken and recorded. As required by ZS-LT-400-001-001, these measurements were taken in the ambient environment with a distance of at least 6 inches from surfaces. The purpose of these background measurements was to establish a MDCR for scanning since it was recognized that ambient background radiation levels varied across the site due to the movement or temporary storage of radioactive wastes destined for ultimate disposal and no credit was taken for material-specific backgrounds. The number of ambient background measurements varied across each of the survey units, but the average number, minimum

number, and maximum number of ambient background values was 8.7, 1, and 19, respectively. The average, minimum, and maximum background count rates from this data set (all 758 ambient background values combined) were 273, 169, and 556 cpm, respectively, across all 87 survey units.

A listing of the survey units represented by the summary data in Table 1 is provided in Table 2, which shows a secondary survey unit number used for convenience in this analysis, the Survey Unit name, and its associated building.

Table 2: Listing of 87 Survey Units

Survey Unit #	SU Name	Building Name
1	09501A IRSF Cask Storage Area	Interim Radwaste Storage Facility
2	09501B IRSF	Interim Radwaste Storage Facility
3	09501C IRSF	Interim Radwaste Storage Facility
4	09504 IRSF Roof	Interim Radwaste Storage Facility
5	06311-1A TB 592 Central	Turbine Building
6	06311A TB 592 Central	Turbine Building
7	06311B TB 592 Central	Turbine Building
8	06311C TB 592 Central	Turbine Building
9	06311D TB 592 Central	Turbine Building
10	06311E TB 592 Central	Turbine Building
11	06311F TB 592 Central	Turbine Building
12	06311G TB 592 Central	Turbine Building
13	06311H TB 592 Central	Turbine Building
14	06310A TB 592 South	Turbine Building
15	06310B TB 592 South	Turbine Building
16	06310C TB 592 South	Turbine Building
17	06310D TB 592 South	Turbine Building
18	06310E TB 592 South	Turbine Building
19	06310F TB 592 South	Turbine Building
20	06312A TB 592 North	Turbine Building
21	06312B TB 592 North	Turbine Building
22	06312C TB 592 North	Turbine Building
23	06312D TB 592 North	Turbine Building
24	06312E TB 592 North	Turbine Building
25	06401A TB 609 North	Turbine Building
26	06401B TB 609 South	Turbine Building
27	06505A TB 617 South	Turbine Building
28	06505B TB 617 South	Turbine Building
29	06505C TB 617 South	Turbine Building
30	06506A TB 617 Central	Turbine Building
31	06506B TB 617 Central	Turbine Building
32	06506C TB 617 Central	Turbine Building
33	06506D TB 617 Central	Turbine Building
34	06506E TB 617 Central	Turbine Building
35	06506F TB 617 Central	Turbine Building

Survey Unit #	SU Name	Building Name
36	06507A TB 617 North	Turbine Building
37	06507B TB 617 North	Turbine Building
38	06507C TB 617 North	Turbine Building
39	06601A TB 630 North	Turbine Building
40	06601B TB 630 South	Turbine Building
41	06708A TB 642 South	Turbine Building
42	06708B TB 642 South	Turbine Building
43	06708C TB 642 South	Turbine Building
44	06708D TB 642 South	Turbine Building
45	06709A TB 642 Central	Turbine Building
46	06709B TB 642 Central	Turbine Building
47	06709C TB 642 Central	Turbine Building
48	06709D TB 642 Central	Turbine Building
49	06709E TB 642 Central	Turbine Building
50	06709F TB 642 Central	Turbine Building
51	06710A TB 642 North	Turbine Building
52	06710B TB 642 North	Turbine Building
53	06710C TB 642 North	Turbine Building
54	06710D TB 642 North	Turbine Building
55	06801A TB 656 MSSVG	Turbine Building
56	06801B TB 656 MSSVG	Turbine Building
57	06902A TB W Ext	Turbine Building
58	06902B TB N Ext	Turbine Building
59	06902C TB S Ext	Turbine Building
60	06902D TB E Ext	Turbine Building
61	06902E TB Heater Bay Ext	Turbine Building
62	07001C ESB S Stairwell	East Service Building
63	07001D ESB N Stairwell	East Service Building
64	07002A WSB Stair S1	West Service Building
65	07002B WSB Stair S2	West Service Building
66	07002C WSB Stair S3	West Service Building
67	07102A WSB 592	West Service Building
68	07102B WSB 592	West Service Building
69	07102C WSB 592	West Service Building
70	07102D WSB 592	West Service Building

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Survey Unit #	SU Name	Building Name
71	07102E WSB 592	West Service Building
72	07201 ESB 608	East Service Building
73	07202 WSB 608	West Service Building
74	07301 ESB 624	East Service Building
75	07302 WSB 624	West Service Building
76	07401 ESB 636	East Service Building
77	07402 WSB 645	West Service Building
78	07101 ESB 592	East Service Building
79	07701 ESB Roof	East Service Building

Survey Unit #	SU Name	Building Name
80	07702 WSB Roof	West Service Building
81	07703 EWSB Ext	East and West Service Buildings
82	08200A Cribhouse	Cribhouse
83	08200B Cribhouse	Cribhouse
84	08200C Cribhouse	Cribhouse
85	08301 Cribhouse Ext	Cribhouse
86	01402A U1 Exterior	Unit 1 Containment Building
87	02402A U2 Exterior	Unit 2 Containment Building

3.2 Application of the Sign Test

For most MARSSIM surveys, a derived concentration guideline level (DCGL) is derived and represents a quantity of radioactivity distributed in a volume or surface area of material and is related to a dose quantity. This DCGL is applied in the non-parametric Sign test to determine whether a survey unit passes the criteria by first listing the difference between each measurement and its associated DCGL. The DCGL terminology used in this analysis is not related to any of the DCGL concepts contained in the Zion LTP or its supporting documents.

In the case of the surveys represented in this analysis, any identified licensed radioactive material would have failed the ultimate survey criteria for unconditional release; therefore, a detectability criterion is required to represent a DCGL rather than an activity concentration. This DCGL can represent an instrument count rate rather than an activity level provided that the following conditions are met, otherwise, detector backgrounds across different instruments would not be correlated or comparable:

- Beta counting efficiencies for various instruments used in the surveys are identical or at least similar, and
- All instruments passed pre and post use daily QC checks or a survey was repeated.

In the case of the unconditional release surveys, these criteria were met through programmatic and procedural controls.

Therefore, using the premise that all background measurements can be compared, a background ($R_{b,i}$) and standard deviation ($\sigma_{R_{b,i}}$) for the background measurements of each survey unit was calculated. For the two survey units where only 1 background measurement was taken, a standard deviation was calculated by applying a coefficient of variation (CV) to the background value for the unit for all 87 survey units (758 ambient background measurements). Once these quantities were calculated, a DCGL was calculated as shown in Equation 1.

$$DCGL_i(cpm) = R_{b,i}(cpm) + 2.33\sigma_{R_{b,i}}(cpm) \quad \text{Equation 1}$$

This DCGL represents the critical level above background for K_a of 5% and is consistent with applying a non-detection criteria for unconditional release of materials using the Sign test. The average, minimum, and maximum DCGL are 441 cpm, 236 cpm, and 1097 cpm, respectively, for all 87 survey units. This range of values indicates that ambient background levels were variable across the site during the survey periods.

We recognize that applying the Sign test as described above, against the ambient background levels, is not discussed in MARSSIM [3] but this approach is consistent with a similar approach taken for the Connecticut Yankee decommissioning.

**Table 3: Background Values and DCGLs for Each Survey
Unit**

Survey Unit #	No. of Bkg Values	Mean Bkg Value, cpm	Bkg Standard Deviation, cpm	DCGL, cpm
1	8	202	20	249
2	6	205	34	284
3	6	198	43	298
4	10	274	81	464
5	8	219	54	344
6	11	228	83	421
7	12	201	47	310
8	9	192	54	318
9	8	234	55	362
10	8	169	29	236
11	9	214	42	312
12	12	226	50	342
13	15	242	59	380
14	8	247	90	456
15	7	248	34	327
16	11	208	46	314
17	9	226	55	353
18	9	229	63	377
19	9	214	42	312
20	12	242	57	375
21	9	200	61	341
22	12	210	52	330
23	9	195	73	366
24	13	217	65	370
25	11	209	75	383

Survey Unit #	No. of Bkg Values	Mean Bkg Value, cpm	Bkg Standard Deviation, cpm	DCGL, cpm
26	13	208	66	361
27	7	243	58	378
28	7	305	113	569
29	8	281	54	408
30	12	299	123	585
31	8	277	86	478
32	6	253	49	366
33	7	282	70	444
34	11	227	42	324
35	11	222	48	333
36	15	268	45	373
37	13	248	84	445
38	19	247	67	404
39	2	214	54	341
40	4	251	56	382
41	12	241	87	443
42	15	301	65	452
43	8	245	74	418
44	15	264	60	404
45	16	250	79	434
46	12	281	66	435
47	6	303	70	466
48	10	294	85	491
49	10	261	59	398
50	9	233	51	351
51	12	340	178	755
52	14	258	103	499

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Survey Unit #	No. of Bkg Values	Mean Bkg Value, cpm	Bkg Standard Deviation, cpm	DCGL, cpm
53	13	269	99	500
54	9	277	93	495
55	2	313	79	497
56	5	285	58	420
57	10	275	67	432
58	6	241	62	386
59	1	223	58	358
60	4	231	32	305
61	5	235	63	382
62	2	307	78	489
63	2	278	71	443
64	2	344	87	548
65	3	304	54	430
66	1	286	73	455
67	7	280	54	405
68	5	269	76	445
69	4	283	53	405
70	12	288	66	441
71	7	336	63	483
72	17	343	115	611
73	10	333	82	524
74	12	452	94	670
75	8	376	93	592
76	15	501	108	753
77	3	358	119	636
78	9	338	113	601
79	7	325	85	522

Survey Unit #	No. of Bkg Values	Mean Bkg Value, cpm	Bkg Standard Deviation, cpm	DCGL, cpm
80	5	547	186	980
81	7	261	84	457
82	5	324	24	381
83	5	235	46	342
84	4	309	40	402
85	10	556	232	1097
86	9	356	135	669
87	9	286	84	481

4 Results

4.1 Sign Test

Appendix 0 contains all 4,734 measurement results subdivided into each of the survey units and shows the gross count rate for each static measurement, the difference between the gross count rate and the survey-unit-specific DCGL from Table 3, and an indicator showing whether the difference is positive or negative. There are no differences that equal zero, so no adjustments to the number of samples are required for analysis using the Sign test.

The execution of the Sign test involves the comparison of the number of positive differences, S+, to the Critical Value, C_v, where:

$$C_v = \frac{N}{2} + \frac{z}{2}\sqrt{N} \quad \text{Equation 2}$$

If, in this comparison, the value of S+ is greater than C_v, then the survey unit passes the Sign test.

Table 4 shows the results of the Sign test calculation for all 87 survey units, which all pass the Sign test criteria for K_d of 5%.

Table 4: Sign Test Results for All Survey Units

Survey Unit #	No. of SU Static Values, N	S+	Critical Value	Sign Test Pass or Fail?
1	97	79	56.6	PASS
2	60	45	36.4	PASS
3	35	27	22.4	PASS
4	62	60	37.5	PASS
5	31	26	20.1	PASS
6	53	53	32.5	PASS
7	35	34	22.4	PASS
8	61	61	36.9	PASS
9	65	63	39.1	PASS
10	75	70	44.6	PASS
11	80	79	47.4	PASS
12	59	57	35.8	PASS

Survey Unit #	No. of SU Static Values, N	S+	Critical Value	Sign Test Pass or Fail?
13	37	37	23.5	PASS
14	50	48	30.8	PASS
15	45	43	28.0	PASS
16	80	80	47.4	PASS
17	80	80	47.4	PASS
18	68	68	40.8	PASS
19	80	79	47.4	PASS
20	60	57	36.4	PASS
21	54	54	33.0	PASS
22	60	59	36.4	PASS
23	55	55	33.6	PASS
24	85	85	50.1	PASS

Survey Unit #	No. of SU Static Values, N	S+	Critical Value	Sign Test Pass or Fail?
25	110	104	63.6	PASS
26	104	97	60.4	PASS
27	84	83	49.5	PASS
28	55	55	33.6	PASS
29	71	70	42.4	PASS
30	65	62	39.1	PASS
31	35	35	22.4	PASS
32	66	66	39.7	PASS
33	68	67	40.8	PASS
34	84	83	49.5	PASS
35	81	81	47.9	PASS
36	61	60	36.9	PASS
37	57	57	34.7	PASS
38	56	55	34.2	PASS
39	28	28	18.4	PASS
40	28	28	18.4	PASS
41	75	75	44.6	PASS
42	39	39	24.6	PASS
43	49	49	30.3	PASS
44	70	68	41.9	PASS
45	82	81	48.4	PASS
46	45	45	28.0	PASS
47	38	35	24.1	PASS
48	36	34	22.9	PASS
49	82	82	48.4	PASS
50	65	65	39.1	PASS
51	54	52	33.0	PASS
52	52	52	31.9	PASS
53	49	48	30.3	PASS
54	43	43	26.9	PASS
55	20	20	13.7	PASS
56	20	20	13.7	PASS

Survey Unit #	No. of SU Static Values, N	S+	Critical Value	Sign Test Pass or Fail?
57	28	27	18.4	PASS
58	15	15	10.7	PASS
59	10	8	7.6	PASS
60	14	11	10.1	PASS
61	20	20	13.7	PASS
62	30	30	19.5	PASS
63	30	30	19.5	PASS
64	14	14	10.1	PASS
65	25	25	16.6	PASS
66	4	4	3.6	PASS
67	83	73	49.0	PASS
68	45	44	28.0	PASS
69	37	37	23.5	PASS
70	157	157	88.8	PASS
71	38	37	24.1	PASS
72	106	106	61.5	PASS
73	86	86	50.6	PASS
74	86	86	50.6	PASS
75	70	70	41.9	PASS
76	76	76	45.2	PASS
77	14	14	10.1	PASS
78	69	69	41.3	PASS
79	56	47	34.2	PASS
80	5	5	4.3	PASS
81	16	15	11.3	PASS
82	48	48	29.7	PASS
83	42	41	26.3	PASS
84	42	40	26.3	PASS
85	64	64	38.6	PASS
86	30	30	19.5	PASS
87	35	31	22.4	PASS

4.2 Retrospective Evaluation

Although the unconditional release surveys were not designed in compliance with MARSSIM, Section 4.1 shows that all of the survey units would have passed the sign test based on the static measurements only. If the surveys had been designed using MARSSIM and based on static measurements, a retrospective analysis that evaluates whether an adequate number of samples was collected in each survey unit could be done. This retrospective analysis provides that evaluation.

The number of fixed static samples that would be required for analysis using the sign test is a function of delta (Δ) and sigma (σ) where:

$$\Delta = DCGL - LBGR, \text{ and}$$

Sigma is the standard deviation of the static measurements within a survey unit.

Using MARSSIM, the larger the value of delta, the lower the number of required samples. Therefore, to maintain conservatism, a value corresponding to the mean of each measurement unit will be selected for the lower bound of the gray region (LBGR) will be used in this analysis. As discussed above, the DCGL for this analysis is set to the critical level, L_c , for each survey unit specifically for the unconditional release criteria. As discussed previously in this analysis, note that this specific DCGL is not related to the various DCGLs provided in the Zion draft LTP and supporting documents and have no relationship to any dose criterion.

From the above, the relative shift (Δ/σ) is calculated for each survey unit and the corresponding value of "Sign p" is determined from MARSSIM Table 5.4. The number of samples, N , is then calculated using Equation 3.

$$N = \frac{(Z_{1-\alpha} + Z_{1-\beta})^2}{4(\text{Sign } p - .5)^2} \quad \text{Equation 3}$$

For this analysis, the values of alpha and beta are set to .05 (5%), therefore the corresponding values of Z are both 1.645. Table 5 provides a summary of the required number of samples for each of the 87 survey units.

The data in Table 5 show that six (6) out of the 87 survey units would not have met the required number of samples to meet the sign test criteria established in this analysis. This deficit represents a total of 42 additional static measurements distributed in the 6 survey units that would have been required if the survey design used the methods described in this analysis. This is a small number of additional samples out of the total of 4734 static measurements (<1%) given that material-specific backgrounds were not considered here and some of the survey units would have been combined for a MARSSIM-designed survey.

Table 5: Retrospective Analysis for the Number of Samples

Survey Unit #	LBGR Avg. Static Survey Unit Value, cpm	SU Sigma, cpm	Delta/Sigma	Sign p	Req'd No.	No. of SU Static Values, N	# of Samples Meet Sign Test ?	Survey Unit #	LBGR Avg. Static Survey Unit Value, cpm	SU Sigma, cpm	Delta/Sigma	Sign p	Req'd No.	No. of SU Static Values, N	# of Samples Meet Sign Test ?
1	224.5	26.7	0.9	0.8	27	97	Yes	45	219.3	68.3	3.0	1.0	11	82	Yes
2	251.0	49.2	0.6	0.7	53	60	Yes	46	287.9	85.0	1.7	1.0	13	45	Yes
3	248.7	58.2	0.8	0.8	33	35	Yes	47	300.2	230.3	0.7	0.8	41	38	No
4	309.0	53.6	2.5	1.0	11	62	Yes	48	265.3	96.9	2.0	1.0	12	36	Yes
5	253.0	105.6	0.8	0.8	33	31	No	49	205.0	48.0	3.0	1.0	11	82	Yes
6	186.4	41.5	3.0	1.0	11	53	Yes	50	194.0	44.0	3.0	1.0	11	65	Yes
7	211.1	58.7	1.6	0.9	14	35	Yes	51	322.1	141.2	3.0	1.0	11	54	Yes
8	201.4	53.4	2.0	1.0	12	61	Yes	52	245.4	76.2	3.0	1.0	11	52	Yes
9	210.7	57.7	2.5	1.0	11	65	Yes	53	232.9	85.9	3.0	1.0	11	49	Yes
10	164.9	38.0	1.8	1.0	13	75	Yes	54	252.1	70.8	3.0	1.0	11	43	Yes
11	166.2	49.9	2.5	1.0	11	80	Yes	55	312.3	57.6	3.0	1.0	11	20	Yes
12	224.6	57.6	2.0	1.0	12	59	Yes	56	288.7	57.2	2.0	1.0	12	20	Yes
13	254.7	62.0	2.0	1.0	12	37	Yes	57	260.8	82.7	2.0	1.0	12	28	Yes
14	206.2	73.8	3.0	1.0	11	50	Yes	58	226.3	56.4	2.5	1.0	11	15	Yes
15	252.0	44.0	1.6	0.9	14	45	Yes	59	278.4	71.6	1.1	0.9	20	10	No
16	193.7	58.7	2.0	1.0	12	80	Yes	60	245.9	65.5	0.9	0.8	27	14	No
17	216.8	54.1	2.5	1.0	11	80	Yes	61	218.3	49.4	3.0	1.0	11	20	Yes
18	202.1	49.2	3.0	1.0	11	68	Yes	62	290.4	79.6	2.0	1.0	12	30	Yes
19	166.1	49.9	2.5	1.0	11	80	Yes	63	261.2	60.3	3.0	1.0	11	30	Yes
20	224.6	65.2	2.0	1.0	12	60	Yes	64	324.9	42.0	3.0	1.0	11	14	Yes
21	191.5	50.3	2.5	1.0	11	54	Yes	65	290.5	51.4	2.5	1.0	11	25	Yes
22	231.7	49.5	1.9	1.0	12	60	Yes	66	278.0	61.0	2.5	1.0	11	4	No
23	193.7	51.8	3.0	1.0	11	55	Yes	67	331.1	59.7	1.2	0.9	18	83	Yes
24	181.7	56.9	3.0	1.0	11	85	Yes	68	264.2	76.9	2.0	1.0	12	45	Yes
25	227.2	74.3	2.0	1.0	12	110	Yes	69	274.5	38.5	3.0	1.0	11	37	Yes
26	221.6	71.6	1.9	1.0	12	104	Yes	70	245.3	48.0	3.0	1.0	11	157	Yes
27	200.6	53.1	3.0	1.0	11	84	Yes	71	329.6	67.6	2.0	1.0	12	38	Yes
28	234.9	61.8	3.0	1.0	11	55	Yes	72	281.8	82.4	3.0	1.0	11	106	Yes
29	240.8	78.1	2.0	1.0	12	71	Yes	73	274.5	47.4	3.0	1.0	11	86	Yes
30	235.1	121.1	2.5	1.0	11	65	Yes	74	293.6	90.6	3.0	1.0	11	86	Yes
31	227.6	60.6	3.0	1.0	11	35	Yes	75	334.9	75.7	3.0	1.0	11	70	Yes
32	222.1	48.7	2.5	1.0	11	66	Yes	76	368.5	144.0	2.5	1.0	11	76	Yes
33	231.2	62.5	3.0	1.0	11	68	Yes	77	306.1	42.1	3.0	1.0	11	14	Yes
34	191.5	54.0	2.0	1.0	12	84	Yes	78	284.1	83.9	3.0	1.0	11	69	Yes
35	189.2	51.6	2.5	1.0	11	81	Yes	79	349.1	168.9	1.0	0.8	23	56	Yes
36	242.1	62.4	2.0	1.0	12	61	Yes	80	655.2	135.9	2.0	1.0	12	5	No
37	216.1	74.5	3.0	1.0	11	57	Yes	81	305.6	72.3	2.0	1.0	12	16	Yes
38	229.2	61.3	2.5	1.0	11	56	Yes	82	293.6	47.5	1.8	1.0	13	48	Yes
39	231.1	63.3	1.7	1.0	13	28	Yes	83	256.0	37.3	2.0	1.0	12	42	Yes
40	208.5	65.3	2.5	1.0	11	28	Yes	84	291.6	61.7	1.7	1.0	13	42	Yes
41	241.7	85.7	2.0	1.0	12	75	Yes	85	494.8	211.7	2.5	1.0	11	64	Yes
42	306.6	59.3	2.0	1.0	12	39	Yes	86	324.8	38.4	3.0	1.0	11	30	Yes
43	209.3	73.4	2.5	1.0	11	49	Yes	87	294.2	57.8	3.0	1.0	11	35	Yes
44	301.2	94.2	1.0	0.8	23	70	Yes								

5 Conclusions

This analysis shows that using a DCGL corresponding to the critical level of background measurements for each survey unit, then all survey units would have passed the the Sign test criteria. As discussed above, all measurements in each survey unit were less than the unconditional release criteria of 5000 dpm/100cm² using an acceptance criteria of MDCR plus background count rate. In fact, no individual scan measurements exceeded the scan-MDCR plus background criteria. In retrospect, if these surveys had been designed using MARSSIM criteria, it is possible that some of the survey units would have been combined to address a small fraction of the survey units in regards to the number of samples. Also, if the surveys were specifically designed using all of the MARSSIM criteria, a small fraction of the survey units (six) may have required an investigation of material-specific backgrounds or of fluctuating ambient backgrounds due to movements of radioactive materials during the surveys. Such investigations may have been performed during the survey process, but, since the acceptance criteria was met for scan surveys, investigations were not required or performed. Given that this analysis criteria (using the critical level as a DCGL) is more conservative than the criteria applied from the scan surveys, we believe this provides additional evidence that the materials met the unconditional release criteria for the materials that were surveyed. Furthermore, we are applying a very conservative dose for the materials used for backfill where we assume that all surfaces contain residual radioactivity at either 5000 dpm/100cm² or at the maximum observed value corresponding to the MDCR plus background count rate. The corresponding dose associated with 5000 dpm/100cm² is 0.7 mrem.

6 References

- [1] "ZS-LT-400-001-001, Unconditional Release of Material, Equipment and Secondary Structures".
- [2] James C. Ashley, *Email to john.hickman@nrc.gov; Marlayna.Vaaler@nrc.gov; Bill.Lin@nrc.gov. "Zion LTP/ RAI Information: RAI Set 3, Zion Response to NRC Question HP 2"*, Zion, Ill.: Energy Solutions, 2017.
- [3] "NUREG-1575, Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)".

7 Appendices

Listing of Sign Test Calculations for each Static Measurement and all Survey Units.

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
1	225	23.82	1
1	227	21.82	1
1	212	36.82	1
1	197	51.82	1
1	213	35.82	1
1	211	37.82	1
1	232	16.82	1
1	232	16.82	1
1	215	33.82	1
1	232	16.82	1
1	253	-4.18	-1
1	243	5.82	1
1	243	5.82	1
1	223	25.82	1
1	219	29.82	1
1	228	20.82	1
1	217	31.82	1
1	219	29.82	1
1	228	20.82	1
1	252	-3.18	-1
1	241	7.82	1
1	218	30.82	1
1	232	16.82	1
1	218	30.82	1
1	194	54.82	1
1	222	26.82	1
1	191	57.82	1
1	214	34.82	1
1	222	26.82	1
1	244	4.82	1
1	216	32.82	1
1	241	7.82	1
1	228	20.82	1
1	208	40.82	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
1	221	27.82	1
1	196	52.92	1
1	231	17.82	1
1	220	28.82	1
1	212	36.82	1
1	212	36.82	1
1	217	31.82	1
1	219	29.82	1
1	193	55.82	1
1	198	50.82	1
1	180	68.82	1
1	172	76.82	1
1	210	38.82	1
1	232	16.82	1
1	231	17.82	1
1	259	-10.18	-1
1	283	-34.18	-1
1	251	-2.18	-1
1	208	40.82	1
1	264	-15.18	-1
1	248	0.82	1
1	242	6.82	1
1	223	25.82	1
1	263	-14.18	-1
1	276	-27.18	-1
1	261	-12.18	-1
1	213	35.82	1
1	233	15.82	1
1	216	32.82	1
1	240	8.82	1
1	208	40.82	1
1	256	-7.18	-1
1	262	-13.18	-1
1	303	-54.18	-1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
1	244	4.82	1
1	229	19.82	1
1	264	-15.18	-1
1	258	-9.18	-1
1	266	-17.18	-1
1	246	2.82	1
1	233	15.82	1
1	283	-34.18	-1
1	251	-2.18	-1
1	219	29.82	1
1	231	17.82	1
1	170	78.82	1
1	222	26.82	1
1	205	43.82	1
1	201	47.82	1
1	203	45.82	1
1	214	34.82	1
1	176	72.82	1
1	217	31.82	1
1	150	98.82	1
1	189	59.82	1
1	251	-2.18	-1
1	210	38.82	1
1	203	45.82	1
1	223	25.82	1
1	194	54.82	1
1	182	66.82	1
1	180	68.82	1
1	197	51.82	1
2	232	52.27	1
2	228	56.27	1
2	212	72.27	1
2	235	49.27	1
2	205	79.27	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
2	237	47.27	1
2	225	59.27	1
2	213	71.27	1
2	228	56.27	1
2	254	30.27	1
2	233	51.27	1
2	198	86.27	1
2	197	87.27	1
2	199	85.27	1
2	170	114.27	1
2	252	32.27	1
2	252	32.27	1
2	225	59.27	1
2	190	94.27	1
2	156	128.27	1
2	185	99.27	1
2	186	98.27	1
2	178	106.27	1
2	200	84.27	1
2	220	64.27	1
2	236	48.27	1
2	241	43.27	1
2	247	37.27	1
2	287	-2.73	-1
2	326	-41.73	-1
2	264	20.27	1
2	249	35.27	1
2	266	18.27	1
2	263	21.27	1
2	304	-19.73	-1
2	307	-22.73	-1
2	297	-12.73	-1
2	331	-46.73	-1
2	281	3.27	1
2	293	-8.73	-1
2	287	-2.73	-1
2	349	-64.73	-1
2	326	-41.73	-1
2	294	-9.73	-1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
2	316	-31.73	-1
2	376	-91.73	-1
2	266	18.27	1
2	258	26.27	1
2	340	-55.73	-1
2	162	122.27	1
2	319	-34.73	-1
2	277	7.27	1
2	277	7.27	1
2	275	9.27	1
2	264	20.27	1
2	233	51.27	1
2	210	74.27	1
2	225	59.27	1
2	257	27.27	1
2	245	39.27	1
3	285	12.66	1
3	318	-20.34	-1
3	359	-61.34	-1
3	218	79.66	1
3	341	-43.34	-1
3	331	-33.34	-1
3	332	-34.34	-1
3	351	-53.34	-1
3	315	-17.34	-1
3	282	15.66	1
3	336	-38.34	-1
3	235	62.66	1
3	236	61.66	1
3	219	78.66	1
3	240	57.66	1
3	132	165.66	1
3	234	63.66	1
3	150	147.66	1
3	222	75.66	1
3	193	104.66	1
3	223	74.66	1
3	239	58.66	1
3	250	47.66	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
3	233	64.66	1
3	181	116.66	1
3	163	134.66	1
3	220	77.66	1
3	205	92.66	1
3	254	43.66	1
3	261	36.66	1
3	237	60.66	1
3	247	50.66	1
3	231	66.66	1
3	252	45.66	1
3	178	119.66	1
4	255	208.76	1
4	263	200.76	1
4	260	203.76	1
4	264	199.76	1
4	201	262.76	1
4	295	168.76	1
4	252	211.76	1
4	299	164.76	1
4	266	197.76	1
4	282	181.76	1
4	329	134.76	1
4	305	158.76	1
4	305	158.76	1
4	326	137.76	1
4	255	208.76	1
4	349	114.76	1
4	323	140.76	1
4	262	201.76	1
4	402	61.76	1
4	272	191.76	1
4	375	88.76	1
4	279	184.76	1
4	277	186.76	1
4	267	196.76	1
4	234	229.76	1
4	301	162.76	1
4	322	141.76	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
4	285	178.76	1
4	291	172.76	1
4	290	173.76	1
4	411	52.76	1
4	468	-4.24	-1
4	260	203.76	1
4	278	185.76	1
4	271	192.76	1
4	296	167.76	1
4	289	174.76	1
4	273	190.76	1
4	289	174.76	1
4	293	170.76	1
4	308	155.76	1
4	284	179.76	1
4	314	149.76	1
4	278	185.76	1
4	291	172.76	1
4	273	190.76	1
4	274	189.76	1
4	478	-14.24	-1
4	367	96.76	1
4	366	97.76	1
4	340	123.76	1
4	340	123.76	1
4	405	58.76	1
4	398	65.76	1
4	378	85.76	1
4	377	86.76	1
4	336	127.76	1
4	354	109.76	1
4	301	162.76	1
4	305	158.76	1
4	281	182.76	1
4	293	170.76	1
5	555	- 211.05	-1
5	370	-26.05	-1
5	293	50.95	1
5	500	-	-1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
		156.05	
5	428	-84.05	-1
5	199	144.95	1
5	262	81.95	1
5	354	-10.05	-1
5	208	135.95	1
5	238	105.95	1
5	287	56.95	1
5	259	84.95	1
5	230	113.95	1
5	283	60.95	1
5	255	88.95	1
5	271	72.95	1
5	285	58.95	1
5	265	78.95	1
5	252	91.95	1
5	277	66.95	1
5	286	57.95	1
5	175	168.95	1
5	149	194.95	1
5	157	186.95	1
5	115	228.95	1
5	127	216.95	1
5	138	205.95	1
5	160	183.95	1
5	128	215.95	1
5	201	142.95	1
5	135	208.95	1
6	261	159.62	1
6	264	156.62	1
6	245	175.62	1
6	249	171.62	1
6	231	189.62	1
6	245	175.62	1
6	215	205.62	1
6	234	186.62	1
6	229	191.62	1
6	222	198.62	1
6	252	168.62	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
6	228	192.62	1
6	250	170.62	1
6	137	283.62	1
6	138	282.62	1
6	141	279.62	1
6	162	258.62	1
6	149	271.62	1
6	175	245.62	1
6	143	277.62	1
6	193	227.62	1
6	138	282.62	1
6	159	261.62	1
6	140	280.62	1
6	197	223.62	1
6	157	263.62	1
6	157	263.62	1
6	147	273.62	1
6	204	216.62	1
6	188	232.62	1
6	139	281.62	1
6	142	278.62	1
6	174	246.62	1
6	156	264.62	1
6	174	246.62	1
6	172	248.62	1
6	170	250.62	1
6	197	223.62	1
6	142	278.62	1
6	176	244.62	1
6	200	220.62	1
6	147	273.62	1
6	170	250.62	1
6	167	253.62	1
6	110	310.62	1
6	194	226.62	1
6	155	265.62	1
6	156	264.62	1
6	159	261.62	1
6	204	216.62	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
6	262	158.62	1
6	231	189.62	1
6	232	188.62	1
7	203	106.52	1
7	270	39.52	1
7	257	52.52	1
7	260	49.52	1
7	213	96.52	1
7	259	50.52	1
7	319	-9.48	-1
7	222	87.52	1
7	267	42.52	1
7	281	28.52	1
7	227	82.52	1
7	257	52.52	1
7	196	113.52	1
7	236	73.52	1
7	263	46.52	1
7	267	42.52	1
7	222	87.52	1
7	295	14.52	1
7	262	47.52	1
7	205	104.52	1
7	268	41.52	1
7	243	66.52	1
7	127	182.52	1
7	150	159.52	1
7	119	190.52	1
7	133	176.52	1
7	138	171.52	1
7	124	185.52	1
7	103	206.52	1
7	152	157.52	1
7	156	153.52	1
7	160	149.52	1
7	195	114.52	1
7	146	163.52	1
7	195	114.52	1
8	104	213.75	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
8	270	47.75	1
8	219	98.75	1
8	226	91.75	1
8	170	147.75	1
8	262	55.75	1
8	298	19.75	1
8	310	7.75	1
8	257	60.75	1
8	229	88.75	1
8	276	41.75	1
8	307	10.75	1
8	237	80.75	1
8	112	205.75	1
8	205	112.75	1
8	212	105.75	1
8	241	76.75	1
8	271	46.75	1
8	269	48.75	1
8	248	69.75	1
8	190	127.75	1
8	123	194.75	1
8	134	183.75	1
8	120	197.75	1
8	116	201.75	1
8	161	156.75	1
8	179	138.75	1
8	217	100.75	1
8	225	92.75	1
8	158	159.75	1
8	172	145.75	1
8	159	158.75	1
8	150	167.75	1
8	163	154.75	1
8	135	182.75	1
8	166	151.75	1
8	215	102.75	1
8	138	179.75	1
8	180	137.75	1
8	162	155.75	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
8	216	101.75	1
8	217	100.75	1
8	187	130.75	1
8	199	118.75	1
8	165	152.75	1
8	169	148.75	1
8	172	145.75	1
8	174	143.75	1
8	150	167.75	1
8	175	142.75	1
8	176	141.75	1
8	191	126.75	1
8	184	133.75	1
8	201	116.75	1
8	155	162.75	1
8	193	124.75	1
8	258	59.75	1
8	272	45.75	1
8	278	39.75	1
8	288	29.75	1
8	278	39.75	1
9	297	64.80	1
9	217	144.80	1
9	199	162.80	1
9	219	142.80	1
9	281	80.80	1
9	308	53.80	1
9	278	83.80	1
9	275	86.80	1
9	266	95.80	1
9	261	100.80	1
9	247	114.80	1
9	366	-4.20	-1
9	265	96.80	1
9	259	102.80	1
9	217	144.80	1
9	204	157.80	1
9	309	52.80	1
9	293	68.80	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
9	280	81.80	1
9	286	75.80	1
9	137	224.80	1
9	171	190.80	1
9	122	239.80	1
9	113	248.80	1
9	137	224.80	1
9	116	245.80	1
9	132	229.80	1
9	175	186.80	1
9	180	181.80	1
9	186	175.80	1
9	187	174.80	1
9	195	166.80	1
9	195	166.80	1
9	208	153.80	1
9	177	184.80	1
9	190	171.80	1
9	198	163.80	1
9	188	173.80	1
9	214	147.80	1
9	175	186.80	1
9	159	202.80	1
9	151	210.80	1
9	182	179.80	1
9	176	185.80	1
9	172	189.80	1
9	193	168.80	1
9	226	135.80	1
9	201	160.80	1
9	194	167.80	1
9	210	151.80	1
9	207	154.80	1
9	192	169.80	1
9	385	-23.20	-1
9	196	165.80	1
9	163	198.80	1
9	173	188.80	1
9	157	204.80	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
9	182	179.80	1
9	146	215.80	1
9	171	190.80	1
9	229	132.80	1
9	170	191.80	1
9	231	130.80	1
9	197	164.80	1
9	307	54.80	1
10	131	104.71	1
10	142	93.71	1
10	127	108.71	1
10	265	-29.29	-1
10	262	-26.29	-1
10	250	-14.29	-1
10	221	14.71	1
10	230	5.71	1
10	220	15.71	1
10	267	-31.29	-1
10	177	58.71	1
10	153	82.71	1
10	225	10.71	1
10	275	-39.29	-1
10	135	100.71	1
10	142	93.71	1
10	136	99.71	1
10	135	100.71	1
10	157	78.71	1
10	128	107.71	1
10	151	84.71	1
10	119	116.71	1
10	119	116.71	1
10	109	126.71	1
10	143	92.71	1
10	163	72.71	1
10	131	104.71	1
10	138	97.71	1
10	118	117.71	1
10	187	48.71	1
10	166	69.71	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
10	143	92.71	1
10	194	41.71	1
10	166	69.71	1
10	194	41.71	1
10	158	77.71	1
10	158	77.71	1
10	159	76.71	1
10	200	35.71	1
10	177	58.71	1
10	174	61.71	1
10	170	65.71	1
10	144	91.71	1
10	125	110.71	1
10	176	59.71	1
10	165	70.71	1
10	139	96.71	1
10	158	77.71	1
10	128	107.71	1
10	174	61.71	1
10	124	111.71	1
10	154	81.71	1
10	138	97.71	1
10	138	97.71	1
10	140	95.71	1
10	146	89.71	1
10	186	49.71	1
10	147	88.71	1
10	138	97.71	1
10	122	113.71	1
10	151	84.71	1
10	135	100.71	1
10	169	66.71	1
10	153	82.71	1
10	157	78.71	1
10	167	68.71	1
10	169	66.71	1
10	194	41.71	1
10	135	100.71	1
10	207	28.71	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
10	181	54.71	1
10	213	22.71	1
10	157	78.71	1
10	157	78.71	1
10	162	73.71	1
11	161	150.60	1
11	149	162.60	1
11	169	142.60	1
11	262	49.60	1
11	238	73.60	1
11	232	79.60	1
11	269	42.60	1
11	272	39.60	1
11	288	23.60	1
11	294	17.60	1
11	166	145.60	1
11	135	176.60	1
11	261	50.60	1
11	261	50.60	1
11	116	195.60	1
11	114	197.60	1
11	108	203.60	1
11	133	178.60	1
11	134	177.60	1
11	123	188.60	1
11	135	176.60	1
11	127	184.60	1
11	154	157.60	1
11	126	185.60	1
11	137	174.60	1
11	140	171.60	1
11	145	166.60	1
11	139	172.60	1
11	294	17.60	1
11	174	137.60	1
11	124	187.60	1
11	157	154.60	1
11	133	178.60	1
11	174	137.60	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
11	157	154.60	1
11	170	141.60	1
11	150	161.60	1
11	164	147.60	1
11	132	179.60	1
11	142	169.60	1
11	135	176.60	1
11	148	163.60	1
11	155	156.60	1
11	146	165.60	1
11	167	144.60	1
11	154	157.60	1
11	172	139.60	1
11	146	165.60	1
11	170	141.60	1
11	135	176.60	1
11	134	177.60	1
11	143	168.60	1
11	188	123.60	1
11	161	150.60	1
11	184	127.60	1
11	159	152.60	1
11	155	156.60	1
11	151	160.60	1
11	137	174.60	1
11	131	180.60	1
11	130	181.60	1
11	133	178.60	1
11	147	164.60	1
11	102	209.60	1
11	94	217.60	1
11	96	215.60	1
11	155	156.60	1
11	145	166.60	1
11	125	186.60	1
11	154	157.60	1
11	129	182.60	1
11	326	-14.40	-1
11	241	70.60	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
11	171	140.60	1
11	210	101.60	1
11	207	104.60	1
11	195	116.60	1
11	160	151.60	1
11	170	141.60	1
11	172	139.60	1
12	295	47.35	1
12	295	47.35	1
12	212	130.35	1
12	209	133.35	1
12	249	93.35	1
12	335	7.35	1
12	224	118.35	1
12	245	97.35	1
12	227	115.35	1
12	341	1.35	1
12	256	86.35	1
12	215	127.35	1
12	196	146.35	1
12	213	129.35	1
12	212	130.35	1
12	180	162.35	1
12	179	163.35	1
12	268	74.35	1
12	300	42.35	1
12	121	221.35	1
12	303	39.35	1
12	296	46.35	1
12	239	103.35	1
12	239	103.35	1
12	303	39.35	1
12	195	147.35	1
12	296	46.35	1
12	278	64.35	1
12	272	70.35	1
12	336	6.35	1
12	185	157.35	1
12	208	134.35	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
12	181	161.35	1
12	361	-18.65	-1
12	158	184.35	1
12	196	146.35	1
12	152	190.35	1
12	189	153.35	1
12	166	176.35	1
12	171	171.35	1
12	193	149.35	1
12	205	137.35	1
12	176	166.35	1
12	355	-12.65	-1
12	162	180.35	1
12	219	123.35	1
12	176	166.35	1
12	198	144.35	1
12	211	131.35	1
12	203	139.35	1
12	208	134.35	1
12	204	138.35	1
12	132	210.35	1
12	160	182.35	1
12	201	141.35	1
12	157	185.35	1
12	205	137.35	1
12	198	144.35	1
12	193	149.35	1
13	305	75.16	1
13	271	109.16	1
13	280	100.16	1
13	246	134.16	1
13	278	102.16	1
13	256	124.16	1
13	156	224.16	1
13	163	217.16	1
13	181	199.16	1
13	280	100.16	1
13	334	46.16	1
13	188	192.16	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
13	338	42.16	1
13	281	99.16	1
13	315	65.16	1
13	200	180.16	1
13	222	158.16	1
13	220	160.16	1
13	183	197.16	1
13	273	107.16	1
13	312	68.16	1
13	325	55.16	1
13	335	45.16	1
13	305	75.16	1
13	331	49.16	1
13	288	92.16	1
13	261	119.16	1
13	322	58.16	1
13	225	155.16	1
13	313	67.16	1
13	309	71.16	1
13	284	96.16	1
13	216	164.16	1
13	141	239.16	1
13	174	206.16	1
13	144	236.16	1
13	169	211.16	1
14	506	-49.81	-1
14	475	-18.81	-1
14	304	152.19	1
14	206	250.19	1
14	219	237.19	1
14	252	204.19	1
14	239	217.19	1
14	209	247.19	1
14	283	173.19	1
14	214	242.19	1
14	110	346.19	1
14	285	171.19	1
14	282	174.19	1
14	113	343.19	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
14	283	173.19	1
14	233	223.19	1
14	275	181.19	1
14	256	200.19	1
14	180	276.19	1
14	215	241.19	1
14	161	295.19	1
14	187	269.19	1
14	185	271.19	1
14	145	311.19	1
14	163	293.19	1
14	180	276.19	1
14	182	274.19	1
14	174	282.19	1
14	166	290.19	1
14	183	273.19	1
14	147	309.19	1
14	166	290.19	1
14	152	304.19	1
14	172	284.19	1
14	155	301.19	1
14	201	255.19	1
14	168	288.19	1
14	178	278.19	1
14	199	257.19	1
14	169	287.19	1
14	196	260.19	1
14	178	278.19	1
14	183	273.19	1
14	167	289.19	1
14	185	271.19	1
14	163	293.19	1
14	177	279.19	1
14	188	268.19	1
14	142	314.19	1
14	157	299.19	1
15	298	28.52	1
15	307	19.52	1
15	234	92.52	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
15	291	35.52	1
15	296	30.52	1
15	296	30.52	1
15	322	4.52	1
15	292	34.52	1
15	237	89.52	1
15	276	50.52	1
15	269	57.52	1
15	294	32.52	1
15	235	91.52	1
15	318	8.52	1
15	239	87.52	1
15	244	82.52	1
15	293	33.52	1
15	356	-29.48	-1
15	254	72.52	1
15	246	80.52	1
15	219	107.52	1
15	186	140.52	1
15	248	78.52	1
15	238	88.52	1
15	213	113.52	1
15	236	90.52	1
15	212	114.52	1
15	232	94.52	1
15	213	113.52	1
15	151	175.52	1
15	208	118.52	1
15	234	92.52	1
15	280	46.52	1
15	223	103.52	1
15	202	124.52	1
15	224	102.52	1
15	200	126.52	1
15	187	139.52	1
15	244	82.52	1
15	223	103.52	1
15	225	101.52	1
15	347	-20.48	-1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
15	279	47.52	1
15	278	48.52	1
15	239	87.52	1
16	251	62.89	1
16	85	228.89	1
16	200	113.89	1
16	188	125.89	1
16	112	201.89	1
16	252	61.89	1
16	250	63.89	1
16	262	51.89	1
16	277	36.89	1
16	248	65.89	1
16	249	64.89	1
16	112	201.89	1
16	237	76.89	1
16	231	82.89	1
16	91	222.89	1
16	218	95.89	1
16	212	101.89	1
16	239	74.89	1
16	303	10.89	1
16	281	32.89	1
16	285	28.89	1
16	168	145.89	1
16	255	58.89	1
16	262	51.89	1
16	287	26.89	1
16	275	38.89	1
16	232	81.89	1
16	253	60.89	1
16	260	53.89	1
16	269	44.89	1
16	293	20.89	1
16	295	18.89	1
16	276	37.89	1
16	150	163.89	1
16	155	158.89	1
16	128	185.89	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
16	153	160.89	1
16	168	145.89	1
16	157	156.89	1
16	136	177.89	1
16	144	169.89	1
16	167	146.89	1
16	146	167.89	1
16	129	184.89	1
16	156	157.89	1
16	152	161.89	1
16	144	169.89	1
16	159	154.89	1
16	132	181.89	1
16	150	163.89	1
16	139	174.89	1
16	151	162.89	1
16	113	200.89	1
16	139	174.89	1
16	130	183.89	1
16	173	140.89	1
16	196	117.89	1
16	170	143.89	1
16	288	25.89	1
16	193	120.89	1
16	161	152.89	1
16	149	164.89	1
16	142	171.89	1
16	151	162.89	1
16	175	138.89	1
16	159	154.89	1
16	194	119.89	1
16	187	126.89	1
16	184	129.89	1
16	203	110.89	1
16	172	141.89	1
16	238	75.89	1
16	259	54.89	1
16	259	54.89	1
16	228	85.89	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
16	138	175.89	1
16	114	199.89	1
16	123	190.89	1
16	112	201.89	1
16	225	88.89	1
17	276	77.12	1
17	281	72.12	1
17	229	124.12	1
17	266	87.12	1
17	306	47.12	1
17	222	131.12	1
17	331	22.12	1
17	131	222.12	1
17	297	56.12	1
17	216	137.12	1
17	302	51.12	1
17	315	38.12	1
17	299	54.12	1
17	287	66.12	1
17	180	173.12	1
17	222	131.12	1
17	202	151.12	1
17	246	107.12	1
17	234	119.12	1
17	194	159.12	1
17	232	121.12	1
17	250	103.12	1
17	240	113.12	1
17	248	105.12	1
17	274	79.12	1
17	245	108.12	1
17	230	123.12	1
17	271	82.12	1
17	194	159.12	1
17	162	191.12	1
17	199	154.12	1
17	184	169.12	1
17	159	194.12	1
17	155	198.12	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
17	242	111.12	1
17	194	159.12	1
17	170	183.12	1
17	233	120.12	1
17	251	102.12	1
17	207	146.12	1
17	219	134.12	1
17	184	169.12	1
17	233	120.12	1
17	241	112.12	1
17	192	161.12	1
17	177	176.12	1
17	224	129.12	1
17	228	125.12	1
17	199	154.12	1
17	224	129.12	1
17	178	175.12	1
17	210	143.12	1
17	177	176.12	1
17	200	153.12	1
17	187	166.12	1
17	229	124.12	1
17	160	193.12	1
17	149	204.12	1
17	142	211.12	1
17	127	226.12	1
17	151	202.12	1
17	157	196.12	1
17	160	193.12	1
17	139	214.12	1
17	143	210.12	1
17	150	203.12	1
17	181	172.12	1
17	293	60.12	1
17	145	208.12	1
17	166	187.12	1
17	182	171.12	1
17	172	181.12	1
17	142	211.12	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
17	176	177.12	1
17	283	70.12	1
17	289	64.12	1
17	205	148.12	1
17	352	1.12	1
17	267	86.12	1
17	334	19.12	1
18	237	139.52	1
18	225	151.52	1
18	236	140.52	1
18	195	181.52	1
18	280	96.52	1
18	273	103.52	1
18	242	134.52	1
18	255	121.52	1
18	163	213.52	1
18	141	235.52	1
18	155	221.52	1
18	133	243.52	1
18	155	221.52	1
18	270	106.52	1
18	163	213.52	1
18	280	96.52	1
18	228	148.52	1
18	168	208.52	1
18	260	116.52	1
18	275	101.52	1
18	179	197.52	1
18	172	204.52	1
18	184	192.52	1
18	170	206.52	1
18	171	205.52	1
18	186	190.52	1
18	196	180.52	1
18	209	167.52	1
18	202	174.52	1
18	170	206.52	1
18	179	197.52	1
18	163	213.52	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
18	159	217.52	1
18	160	216.52	1
18	187	189.52	1
18	167	209.52	1
18	167	209.52	1
18	177	199.52	1
18	170	206.52	1
18	200	176.52	1
18	180	196.52	1
18	167	209.52	1
18	162	214.52	1
18	193	183.52	1
18	321	55.52	1
18	166	210.52	1
18	164	212.52	1
18	205	171.52	1
18	192	184.52	1
18	208	168.52	1
18	211	165.52	1
18	375	1.52	1
18	249	127.52	1
18	200	176.52	1
18	251	125.52	1
18	170	206.52	1
18	211	165.52	1
18	156	220.52	1
18	144	232.52	1
18	131	245.52	1
18	163	213.52	1
18	187	189.52	1
18	283	93.52	1
18	232	144.52	1
18	260	116.52	1
18	305	71.52	1
18	190	186.52	1
18	165	211.52	1
19	161	150.60	1
19	149	162.60	1
19	168	143.60	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
19	262	49.60	1
19	238	73.60	1
19	232	79.60	1
19	269	42.60	1
19	272	39.60	1
19	288	23.60	1
19	294	17.60	1
19	166	145.60	1
19	135	176.60	1
19	261	50.60	1
19	261	50.60	1
19	116	195.60	1
19	114	197.60	1
19	108	203.60	1
19	133	178.60	1
19	134	177.60	1
19	123	188.60	1
19	135	176.60	1
19	127	184.60	1
19	154	157.60	1
19	126	185.60	1
19	137	174.60	1
19	140	171.60	1
19	145	166.60	1
19	139	172.60	1
19	294	17.60	1
19	174	137.60	1
19	124	187.60	1
19	157	154.60	1
19	133	178.60	1
19	174	137.60	1
19	157	154.60	1
19	170	141.60	1
19	150	161.60	1
19	164	147.60	1
19	132	179.60	1
19	142	169.60	1
19	135	176.60	1
19	148	163.60	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
19	155	156.60	1
19	146	165.60	1
19	167	144.60	1
19	154	157.60	1
19	172	139.60	1
19	146	165.60	1
19	170	141.60	1
19	135	176.60	1
19	134	177.60	1
19	143	168.60	1
19	188	123.60	1
19	161	150.60	1
19	184	127.60	1
19	159	152.60	1
19	155	156.60	1
19	151	160.60	1
19	137	174.60	1
19	131	180.60	1
19	130	181.60	1
19	133	178.60	1
19	147	164.60	1
19	102	209.60	1
19	94	217.60	1
19	96	215.60	1
19	155	156.60	1
19	145	166.60	1
19	125	186.60	1
19	154	157.60	1
19	129	182.60	1
19	326	-14.40	-1
19	241	70.60	1
19	171	140.60	1
19	210	101.60	1
19	207	104.60	1
19	195	116.60	1
19	160	151.60	1
19	170	141.60	1
19	172	139.60	1
20	261	114.24	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
20	267	108.24	1
20	270	105.24	1
20	183	192.24	1
20	237	138.24	1
20	213	162.24	1
20	239	136.24	1
20	393	-17.76	-1
20	378	-2.76	-1
20	333	42.24	1
20	205	170.24	1
20	278	97.24	1
20	230	145.24	1
20	262	113.24	1
20	322	53.24	1
20	293	82.24	1
20	312	63.24	1
20	317	58.24	1
20	264	111.24	1
20	273	102.24	1
20	232	143.24	1
20	395	-19.76	-1
20	229	146.24	1
20	237	138.24	1
20	273	102.24	1
20	270	105.24	1
20	165	210.24	1
20	152	223.24	1
20	250	125.24	1
20	257	118.24	1
20	339	36.24	1
20	197	178.24	1
20	170	205.24	1
20	154	221.24	1
20	216	159.24	1
20	145	230.24	1
20	183	192.24	1
20	154	221.24	1
20	195	180.24	1
20	172	203.24	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
20	178	197.24	1
20	165	210.24	1
20	213	162.24	1
20	161	214.24	1
20	181	194.24	1
20	173	202.24	1
20	138	237.24	1
20	140	235.24	1
20	131	244.24	1
20	171	204.24	1
20	145	230.24	1
20	212	163.24	1
20	200	175.24	1
20	217	158.24	1
20	186	189.24	1
20	231	144.24	1
20	178	197.24	1
20	169	206.24	1
20	179	196.24	1
20	192	183.24	1
21	194	146.88	1
21	213	127.88	1
21	254	86.88	1
21	213	127.88	1
21	208	132.88	1
21	107	233.88	1
21	207	133.88	1
21	186	154.88	1
21	116	224.88	1
21	213	127.88	1
21	314	26.88	1
21	279	61.88	1
21	289	51.88	1
21	256	84.88	1
21	294	46.88	1
21	232	108.88	1
21	221	119.88	1
21	217	123.88	1
21	111	229.88	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
21	260	80.88	1
21	263	77.88	1
21	229	111.88	1
21	271	69.88	1
21	210	130.88	1
21	202	138.88	1
21	168	172.88	1
21	145	195.88	1
21	107	233.88	1
21	152	188.88	1
21	123	217.88	1
21	127	213.88	1
21	177	163.88	1
21	166	174.88	1
21	159	181.88	1
21	220	120.88	1
21	183	157.88	1
21	176	164.88	1
21	133	207.88	1
21	138	202.88	1
21	172	168.88	1
21	148	192.88	1
21	198	142.88	1
21	202	138.88	1
21	185	155.88	1
21	195	145.88	1
21	189	151.88	1
21	162	178.88	1
21	182	158.88	1
21	185	155.88	1
21	175	165.88	1
21	193	147.88	1
21	132	208.88	1
21	151	189.88	1
21	141	199.88	1
22	163	167.25	1
22	218	112.25	1
22	183	147.25	1
22	205	125.25	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
22	278	52.25	1
22	284	46.25	1
22	274	56.25	1
22	318	12.25	1
22	235	95.25	1
22	203	127.25	1
22	218	112.25	1
22	190	140.25	1
22	253	77.25	1
22	299	31.25	1
22	284	46.25	1
22	323	7.25	1
22	270	60.25	1
22	210	120.25	1
22	315	15.25	1
22	323	7.25	1
22	173	157.25	1
22	147	183.25	1
22	263	67.25	1
22	347	-16.75	-1
22	329	1.25	1
22	258	72.25	1
22	253	77.25	1
22	192	138.25	1
22	267	63.25	1
22	260	70.25	1
22	142	188.25	1
22	116	214.25	1
22	206	124.25	1
22	171	159.25	1
22	230	100.25	1
22	231	99.25	1
22	178	152.25	1
22	213	117.25	1
22	204	126.25	1
22	162	168.25	1
22	204	126.25	1
22	220	110.25	1
22	169	161.25	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
22	249	81.25	1
22	192	138.25	1
22	228	102.25	1
22	241	89.25	1
22	225	105.25	1
22	231	99.25	1
22	239	91.25	1
22	226	104.25	1
22	211	119.25	1
22	272	58.25	1
22	231	99.25	1
22	265	65.25	1
22	219	111.25	1
22	200	130.25	1
22	257	73.25	1
22	206	124.25	1
22	231	99.25	1
23	195	170.74	1
23	191	174.74	1
23	189	176.74	1
23	194	171.74	1
23	203	162.74	1
23	225	140.74	1
23	270	95.74	1
23	259	106.74	1
23	278	87.74	1
23	313	52.74	1
23	252	113.74	1
23	252	113.74	1
23	276	89.74	1
23	98	267.74	1
23	202	163.74	1
23	257	108.74	1
23	164	201.74	1
23	186	179.74	1
23	200	165.74	1
23	257	108.74	1
23	274	91.74	1
23	118	247.74	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
23	157	208.74	1
23	157	208.74	1
23	113	252.74	1
23	125	240.74	1
23	135	230.74	1
23	181	184.74	1
23	159	206.74	1
23	188	177.74	1
23	163	202.74	1
23	162	203.74	1
23	180	185.74	1
23	146	219.74	1
23	155	210.74	1
23	129	236.74	1
23	171	194.74	1
23	156	209.74	1
23	197	168.74	1
23	178	187.74	1
23	178	187.74	1
23	113	252.74	1
23	125	240.74	1
23	151	214.74	1
23	189	176.74	1
23	200	165.74	1
23	160	205.74	1
23	200	165.74	1
23	189	176.74	1
23	199	166.74	1
23	175	190.74	1
23	284	81.74	1
23	274	91.74	1
23	247	118.74	1
23	264	101.74	1
24	322	47.79	1
24	209	160.79	1
24	314	55.79	1
24	185	184.79	1
24	171	198.79	1
24	169	200.79	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
24	297	72.79	1
24	353	16.79	1
24	329	40.79	1
24	217	152.79	1
24	176	193.79	1
24	272	97.79	1
24	147	222.79	1
24	153	216.79	1
24	261	108.79	1
24	274	95.79	1
24	254	115.79	1
24	270	99.79	1
24	258	111.79	1
24	163	206.79	1
24	193	176.79	1
24	189	180.79	1
24	178	191.79	1
24	336	33.79	1
24	126	243.79	1
24	133	236.79	1
24	181	188.79	1
24	175	194.79	1
24	137	232.79	1
24	114	255.79	1
24	152	217.79	1
24	147	222.79	1
24	127	242.79	1
24	121	248.79	1
24	148	221.79	1
24	134	235.79	1
24	127	242.79	1
24	114	255.79	1
24	131	238.79	1
24	134	235.79	1
24	119	250.79	1
24	152	217.79	1
24	109	260.79	1
24	137	232.79	1
24	128	241.79	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
24	139	230.79	1
24	142	227.79	1
24	144	225.79	1
24	106	263.79	1
24	123	246.79	1
24	164	205.79	1
24	143	226.79	1
24	162	207.79	1
24	170	199.79	1
24	173	196.79	1
24	176	193.79	1
24	171	198.79	1
24	178	191.79	1
24	179	190.79	1
24	202	167.79	1
24	214	155.79	1
24	184	185.79	1
24	153	216.79	1
24	162	207.79	1
24	155	214.79	1
24	185	184.79	1
24	156	213.79	1
24	123	246.79	1
24	158	211.79	1
24	219	150.79	1
24	166	203.79	1
24	136	233.79	1
24	131	238.79	1
24	166	203.79	1
24	152	217.79	1
24	160	209.79	1
24	254	115.79	1
24	248	121.79	1
24	192	177.79	1
24	206	163.79	1
24	161	208.79	1
24	232	137.79	1
24	223	146.79	1
24	202	167.79	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
24	202	167.79	1
25	263	120.22	1
25	235	148.22	1
25	268	115.22	1
25	221	162.22	1
25	232	151.22	1
25	232	151.22	1
25	242	141.22	1
25	308	75.22	1
25	265	118.22	1
25	320	63.22	1
25	315	68.22	1
25	295	88.22	1
25	233	150.22	1
25	264	119.22	1
25	237	146.22	1
25	152	231.22	1
25	179	204.22	1
25	152	231.22	1
25	203	180.22	1
25	392	-8.78	-1
25	363	20.22	1
25	403	-19.78	-1
25	420	-36.78	-1
25	331	52.22	1
25	394	-10.78	-1
25	372	11.22	1
25	374	9.22	1
25	399	-15.78	-1
25	347	36.22	1
25	392	-8.78	-1
25	149	234.22	1
25	144	239.22	1
25	173	210.22	1
25	163	220.22	1
25	162	221.22	1
25	128	255.22	1
25	111	272.22	1
25	121	262.22	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
25	176	207.22	1
25	161	222.22	1
25	148	235.22	1
25	141	242.22	1
25	127	256.22	1
25	166	217.22	1
25	152	231.22	1
25	158	225.22	1
25	189	194.22	1
25	117	266.22	1
25	148	235.22	1
25	128	255.22	1
25	128	255.22	1
25	159	224.22	1
25	107	276.22	1
25	80	303.22	1
25	68	315.22	1
25	191	192.22	1
25	281	102.22	1
25	236	147.22	1
25	254	129.22	1
25	231	152.22	1
25	273	110.22	1
25	241	142.22	1
25	245	138.22	1
25	306	77.22	1
25	269	114.22	1
25	244	139.22	1
25	219	164.22	1
25	223	160.22	1
25	262	121.22	1
25	243	140.22	1
25	238	145.22	1
25	258	125.22	1
25	267	116.22	1
25	247	136.22	1
25	259	124.22	1
25	267	116.22	1
25	263	120.22	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
25	297	86.22	1
25	239	144.22	1
25	213	170.22	1
25	186	197.22	1
25	195	188.22	1
25	199	184.22	1
25	211	172.22	1
25	180	203.22	1
25	235	148.22	1
25	154	229.22	1
25	195	188.22	1
25	172	211.22	1
25	166	217.22	1
25	232	151.22	1
25	267	116.22	1
25	207	176.22	1
25	193	190.22	1
25	182	201.22	1
25	266	117.22	1
25	289	94.22	1
25	173	210.22	1
25	192	191.22	1
25	191	192.22	1
25	231	152.22	1
25	292	91.22	1
25	231	152.22	1
25	237	146.22	1
25	239	144.22	1
25	249	134.22	1
25	270	113.22	1
25	241	142.22	1
25	160	223.22	1
25	180	203.22	1
26	248	112.90	1
26	229	131.90	1
26	277	83.90	1
26	258	102.90	1
26	227	133.90	1
26	259	101.90	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
26	240	120.90	1
26	280	80.90	1
26	262	98.90	1
26	309	51.90	1
26	255	105.90	1
26	289	71.90	1
26	268	92.90	1
26	295	65.90	1
26	176	184.90	1
26	191	169.90	1
26	156	204.90	1
26	410	-49.10	-1
26	353	7.90	1
26	375	-14.10	-1
26	364	-3.10	-1
26	359	1.90	1
26	366	-5.10	-1
26	377	-16.10	-1
26	392	-31.10	-1
26	321	39.90	1
26	410	-49.10	-1
26	337	23.90	1
26	184	176.90	1
26	170	190.90	1
26	180	180.90	1
26	174	186.90	1
26	175	185.90	1
26	176	184.90	1
26	102	258.90	1
26	148	212.90	1
26	111	249.90	1
26	117	243.90	1
26	110	250.90	1
26	122	238.90	1
26	108	252.90	1
26	149	211.90	1
26	151	209.90	1
26	119	241.90	1
26	160	200.90	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
26	195	165.90	1
26	131	229.90	1
26	157	203.90	1
26	117	243.90	1
26	145	215.90	1
26	101	259.90	1
26	89	271.90	1
26	106	254.90	1
26	169	191.90	1
26	198	162.90	1
26	161	199.90	1
26	177	183.90	1
26	181	179.90	1
26	207	153.90	1
26	222	138.90	1
26	236	124.90	1
26	213	147.90	1
26	186	174.90	1
26	245	115.90	1
26	229	131.90	1
26	222	138.90	1
26	212	148.90	1
26	205	155.90	1
26	231	129.90	1
26	239	121.90	1
26	232	128.90	1
26	231	129.90	1
26	228	132.90	1
26	221	139.90	1
26	199	161.90	1
26	235	125.90	1
26	196	164.90	1
26	198	162.90	1
26	169	191.90	1
26	203	157.90	1
26	169	191.90	1
26	204	156.90	1
26	172	188.90	1
26	240	120.90	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
26	180	180.90	1
26	252	108.90	1
26	200	160.90	1
26	219	141.90	1
26	282	78.90	1
26	253	107.90	1
26	302	58.90	1
26	271	89.90	1
26	265	95.90	1
26	260	100.90	1
26	240	120.90	1
26	208	152.90	1
26	240	120.90	1
26	228	132.90	1
26	238	122.90	1
26	238	122.90	1
26	225	135.90	1
26	230	130.90	1
26	273	87.90	1
26	234	126.90	1
27	238	139.76	1
27	228	149.76	1
27	228	149.76	1
27	241	136.76	1
27	277	100.76	1
27	267	110.76	1
27	243	134.76	1
27	307	70.76	1
27	264	113.76	1
27	272	105.76	1
27	256	121.76	1
27	252	125.76	1
27	253	124.76	1
27	283	94.76	1
27	223	154.76	1
27	257	120.76	1
27	213	164.76	1
27	254	123.76	1
27	270	107.76	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
27	221	156.76	1
27	233	144.76	1
27	247	130.76	1
27	236	141.76	1
27	194	183.76	1
27	268	109.76	1
27	221	156.76	1
27	210	167.76	1
27	238	139.76	1
27	204	173.76	1
27	275	102.76	1
27	252	125.76	1
27	181	196.76	1
27	203	174.76	1
27	129	248.76	1
27	163	214.76	1
27	108	269.76	1
27	141	236.76	1
27	123	254.76	1
27	132	245.76	1
27	161	216.76	1
27	130	247.76	1
27	159	218.76	1
27	109	268.76	1
27	138	239.76	1
27	147	230.76	1
27	122	255.76	1
27	156	221.76	1
27	177	200.76	1
27	157	220.76	1
27	195	182.76	1
27	150	227.76	1
27	173	204.76	1
27	192	185.76	1
27	202	175.76	1
27	162	215.76	1
27	161	216.76	1
27	173	204.76	1
27	143	234.76	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
27	158	219.76	1
27	175	202.76	1
27	175	202.76	1
27	148	229.76	1
27	141	236.76	1
27	173	204.76	1
27	210	167.76	1
27	194	183.76	1
27	181	196.76	1
27	142	235.76	1
27	158	219.76	1
27	149	228.76	1
27	221	156.76	1
27	203	174.76	1
27	204	173.76	1
27	139	238.76	1
27	159	218.76	1
27	183	194.76	1
27	169	208.76	1
27	274	103.76	1
27	188	189.76	1
27	215	162.76	1
27	222	155.76	1
27	405	-27.24	-1
27	247	130.76	1
27	203	174.76	1
28	280	289.22	1
28	222	347.22	1
28	265	304.22	1
28	248	321.22	1
28	292	277.22	1
28	270	299.22	1
28	304	265.22	1
28	275	294.22	1
28	383	186.22	1
28	212	357.22	1
28	359	210.22	1
28	310	259.22	1
28	269	300.22	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
28	330	239.22	1
28	276	293.22	1
28	250	319.22	1
28	348	221.22	1
28	221	348.22	1
28	267	302.22	1
28	295	274.22	1
28	318	251.22	1
28	227	342.22	1
28	213	356.22	1
28	175	394.22	1
28	154	415.22	1
28	141	428.22	1
28	151	418.22	1
28	174	395.22	1
28	188	381.22	1
28	218	351.22	1
28	204	365.22	1
28	202	367.22	1
28	241	328.22	1
28	188	381.22	1
28	168	401.22	1
28	104	465.22	1
28	139	430.22	1
28	154	415.22	1
28	193	376.22	1
28	205	364.22	1
28	232	337.22	1
28	238	331.22	1
28	191	378.22	1
28	151	418.22	1
28	222	347.22	1
28	254	315.22	1
28	193	376.22	1
28	329	240.22	1
28	229	340.22	1
28	296	273.22	1
28	274	295.22	1
28	265	304.22	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
28	214	355.22	1
28	146	423.22	1
28	252	317.22	1
29	251	157.09	1
29	242	166.09	1
29	262	146.09	1
29	245	163.09	1
29	275	133.09	1
29	283	125.09	1
29	326	82.09	1
29	334	74.09	1
29	292	116.09	1
29	270	138.09	1
29	247	161.09	1
29	262	146.09	1
29	315	93.09	1
29	323	85.09	1
29	270	138.09	1
29	310	98.09	1
29	312	96.09	1
29	337	71.09	1
29	298	110.09	1
29	285	123.09	1
29	303	105.09	1
29	144	264.09	1
29	313	95.09	1
29	241	167.09	1
29	225	183.09	1
29	330	78.09	1
29	268	140.09	1
29	284	124.09	1
29	254	154.09	1
29	349	59.09	1
29	312	96.09	1
29	274	134.09	1
29	266	142.09	1
29	261	147.09	1
29	384	24.09	1
29	506	-97.91	-1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
29	355	53.09	1
29	123	285.09	1
29	132	276.09	1
29	137	271.09	1
29	144	264.09	1
29	153	255.09	1
29	157	251.09	1
29	158	250.09	1
29	151	257.09	1
29	170	238.09	1
29	174	234.09	1
29	179	229.09	1
29	195	213.09	1
29	163	245.09	1
29	162	246.09	1
29	143	265.09	1
29	168	240.09	1
29	128	280.09	1
29	140	268.09	1
29	142	266.09	1
29	167	241.09	1
29	133	275.09	1
29	139	269.09	1
29	175	233.09	1
29	162	246.09	1
29	308	100.09	1
29	293	115.09	1
29	267	141.09	1
29	272	136.09	1
29	306	102.09	1
29	303	105.09	1
29	223	185.09	1
29	259	149.09	1
29	179	229.09	1
29	184	224.09	1
30	313	271.81	1
30	281	303.81	1
30	278	306.81	1
30	316	268.81	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
30	251	333.81	1
30	291	293.81	1
30	240	344.81	1
30	276	308.81	1
30	251	333.81	1
30	253	331.81	1
30	270	314.81	1
30	529	55.81	1
30	671	-86.19	-1
30	644	-59.19	-1
30	587	-2.19	-1
30	519	65.81	1
30	292	292.81	1
30	252	332.81	1
30	274	310.81	1
30	290	294.81	1
30	246	338.81	1
30	268	316.81	1
30	270	314.81	1
30	386	198.81	1
30	296	288.81	1
30	266	318.81	1
30	236	348.81	1
30	161	423.81	1
30	174	410.81	1
30	133	451.81	1
30	202	382.81	1
30	229	355.81	1
30	224	360.81	1
30	150	434.81	1
30	188	396.81	1
30	139	445.81	1
30	172	412.81	1
30	171	413.81	1
30	171	413.81	1
30	192	392.81	1
30	139	445.81	1
30	147	437.81	1
30	180	404.81	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
30	176	408.81	1
30	202	382.81	1
30	153	431.81	1
30	165	419.81	1
30	123	461.81	1
30	131	453.81	1
30	159	425.81	1
30	142	442.81	1
30	151	433.81	1
30	107	477.81	1
30	147	437.81	1
30	185	399.81	1
30	156	428.81	1
30	143	441.81	1
30	133	451.81	1
30	152	432.81	1
30	125	459.81	1
30	127	457.81	1
30	147	437.81	1
30	173	411.81	1
30	248	336.81	1
30	220	364.81	1
31	235	243.04	1
31	286	192.04	1
31	239	239.04	1
31	288	190.04	1
31	241	237.04	1
31	254	224.04	1
31	273	205.04	1
31	291	187.04	1
31	276	202.04	1
31	294	184.04	1
31	232	246.04	1
31	153	325.04	1
31	193	285.04	1
31	228	250.04	1
31	316	162.04	1
31	279	199.04	1
31	169	309.04	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
31	260	218.04	1
31	268	210.04	1
31	219	259.04	1
31	180	298.04	1
31	343	135.04	1
31	189	289.04	1
31	296	182.04	1
31	261	217.04	1
31	163	315.04	1
31	289	189.04	1
31	212	266.04	1
31	207	271.04	1
31	156	322.04	1
31	146	332.04	1
31	159	319.04	1
31	126	352.04	1
31	130	348.04	1
31	115	363.04	1
32	234	132.11	1
32	252	114.11	1
32	280	86.11	1
32	278	88.11	1
32	281	85.11	1
32	265	101.11	1
32	262	104.11	1
32	260	106.11	1
32	283	83.11	1
32	283	83.11	1
32	258	108.11	1
32	261	105.11	1
32	264	102.11	1
32	234	132.11	1
32	255	111.11	1
32	283	83.11	1
32	299	67.11	1
32	319	47.11	1
32	317	49.11	1
32	285	81.11	1
32	244	122.11	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
32	137	229.11	1
32	156	210.11	1
32	145	221.11	1
32	126	240.11	1
32	115	251.11	1
32	181	185.11	1
32	146	220.11	1
32	124	242.11	1
32	230	136.11	1
32	229	137.11	1
32	217	149.11	1
32	202	164.11	1
32	234	132.11	1
32	206	160.11	1
32	242	124.11	1
32	188	178.11	1
32	187	179.11	1
32	236	130.11	1
32	216	150.11	1
32	168	198.11	1
32	200	166.11	1
32	187	179.11	1
32	173	193.11	1
32	194	172.11	1
32	171	195.11	1
32	204	162.11	1
32	181	185.11	1
32	202	164.11	1
32	182	184.11	1
32	255	111.11	1
32	174	192.11	1
32	203	163.11	1
32	156	210.11	1
32	204	162.11	1
32	184	182.11	1
32	192	174.11	1
32	231	135.11	1
32	276	90.11	1
32	267	99.11	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
32	266	100.11	1
32	229	137.11	1
32	237	129.11	1
32	245	121.11	1
32	217	149.11	1
32	246	120.11	1
33	277	167.30	1
33	260	184.30	1
33	280	164.30	1
33	279	165.30	1
33	275	169.30	1
33	254	190.30	1
33	332	112.30	1
33	271	173.30	1
33	254	190.30	1
33	252	192.30	1
33	299	145.30	1
33	288	156.30	1
33	295	149.30	1
33	295	149.30	1
33	280	164.30	1
33	296	148.30	1
33	307	137.30	1
33	304	140.30	1
33	283	161.30	1
33	305	139.30	1
33	130	314.30	1
33	137	307.30	1
33	169	275.30	1
33	174	270.30	1
33	179	265.30	1
33	181	263.30	1
33	158	286.30	1
33	136	308.30	1
33	176	268.30	1
33	223	221.30	1
33	191	253.30	1
33	195	249.30	1
33	166	278.30	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
33	286	158.30	1
33	165	279.30	1
33	219	225.30	1
33	222	222.30	1
33	217	227.30	1
33	219	225.30	1
33	191	253.30	1
33	197	247.30	1
33	224	220.30	1
33	206	238.30	1
33	230	214.30	1
33	189	255.30	1
33	210	234.30	1
33	189	255.30	1
33	207	237.30	1
33	207	237.30	1
33	218	226.30	1
33	207	237.30	1
33	187	257.30	1
33	198	246.30	1
33	189	255.30	1
33	215	229.30	1
33	198	246.30	1
33	193	251.30	1
33	192	252.30	1
33	163	281.30	1
33	300	144.30	1
33	215	229.30	1
33	221	223.30	1
33	240	204.30	1
33	227	217.30	1
33	227	217.30	1
33	552	- 107.70	-1
33	226	218.30	1
33	276	168.30	1
34	264	59.65	1
34	320	3.65	1
34	279	44.65	1
34	265	58.65	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
34	233	90.65	1
34	259	64.65	1
34	260	63.65	1
34	258	65.65	1
34	258	65.65	1
34	144	179.65	1
34	165	158.65	1
34	242	81.65	1
34	271	52.65	1
34	285	38.65	1
34	261	62.65	1
34	286	37.65	1
34	341	-17.35	-1
34	158	165.65	1
34	245	78.65	1
34	160	163.65	1
34	123	200.65	1
34	177	146.65	1
34	157	166.65	1
34	128	195.65	1
34	120	203.65	1
34	124	199.65	1
34	102	221.65	1
34	143	180.65	1
34	118	205.65	1
34	115	208.65	1
34	145	178.65	1
34	123	200.65	1
34	135	188.65	1
34	108	215.65	1
34	201	122.65	1
34	185	138.65	1
34	164	159.65	1
34	151	172.65	1
34	170	153.65	1
34	215	108.65	1
34	195	128.65	1
34	220	103.65	1
34	200	123.65	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
34	215	108.65	1
34	184	139.65	1
34	194	129.65	1
34	186	137.65	1
34	171	152.65	1
34	192	131.65	1
34	177	146.65	1
34	241	82.65	1
34	223	100.65	1
34	222	101.65	1
34	211	112.65	1
34	215	108.65	1
34	189	134.65	1
34	175	148.65	1
34	176	147.65	1
34	159	164.65	1
34	170	153.65	1
34	164	159.65	1
34	176	147.65	1
34	170	153.65	1
34	190	133.65	1
34	240	83.65	1
34	227	96.65	1
34	226	97.65	1
34	211	112.65	1
34	216	107.65	1
34	235	88.65	1
34	139	184.65	1
34	106	217.65	1
34	114	209.65	1
34	103	220.65	1
34	121	202.65	1
34	193	130.65	1
34	208	115.65	1
34	142	181.65	1
34	290	33.65	1
34	184	139.65	1
34	157	166.65	1
34	148	175.65	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
34	183	140.65	1
34	172	151.65	1
35	302	31.45	1
35	282	51.45	1
35	249	84.45	1
35	274	59.45	1
35	235	98.45	1
35	265	68.45	1
35	274	59.45	1
35	249	84.45	1
35	244	89.45	1
35	141	192.45	1
35	170	163.45	1
35	295	38.45	1
35	242	91.45	1
35	294	39.45	1
35	305	28.45	1
35	279	54.45	1
35	298	35.45	1
35	178	155.45	1
35	145	188.45	1
35	155	178.45	1
35	127	206.45	1
35	145	188.45	1
35	176	157.45	1
35	120	213.45	1
35	145	188.45	1
35	124	209.45	1
35	136	197.45	1
35	144	189.45	1
35	110	223.45	1
35	137	196.45	1
35	139	194.45	1
35	119	214.45	1
35	131	202.45	1
35	112	221.45	1
35	196	137.45	1
35	194	139.45	1
35	187	146.45	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
35	194	139.45	1
35	166	167.45	1
35	203	130.45	1
35	206	127.45	1
35	178	155.45	1
35	176	157.45	1
35	179	154.45	1
35	206	127.45	1
35	196	137.45	1
35	191	142.45	1
35	189	144.45	1
35	184	149.45	1
35	216	117.45	1
35	228	105.45	1
35	197	136.45	1
35	201	132.45	1
35	198	135.45	1
35	191	142.45	1
35	198	135.45	1
35	181	152.45	1
35	187	146.45	1
35	183	150.45	1
35	159	174.45	1
35	167	166.45	1
35	222	111.45	1
35	186	147.45	1
35	182	151.45	1
35	110	223.45	1
35	132	201.45	1
35	136	197.45	1
35	118	215.45	1
35	102	231.45	1
35	213	120.45	1
35	197	136.45	1
35	199	134.45	1
35	155	178.45	1
35	154	179.45	1
35	172	161.45	1
35	179	154.45	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
35	166	167.45	1
35	187	146.45	1
35	183	150.45	1
35	153	180.45	1
35	287	46.45	1
36	118	255.12	1
36	184	189.12	1
36	287	86.12	1
36	297	76.12	1
36	372	1.12	1
36	277	96.12	1
36	288	85.12	1
36	248	125.12	1
36	267	106.12	1
36	304	69.12	1
36	325	48.12	1
36	163	210.12	1
36	252	121.12	1
36	306	67.12	1
36	267	106.12	1
36	193	180.12	1
36	188	185.12	1
36	199	174.12	1
36	248	125.12	1
36	294	79.12	1
36	290	83.12	1
36	349	24.12	1
36	227	146.12	1
36	266	107.12	1
36	215	158.12	1
36	272	101.12	1
36	250	123.12	1
36	154	219.12	1
36	106	267.12	1
36	176	197.12	1
36	167	206.12	1
36	262	111.12	1
36	252	121.12	1
36	282	91.12	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
36	136	237.12	1
36	166	207.12	1
36	152	221.12	1
36	189	184.12	1
36	308	65.12	1
36	293	80.12	1
36	168	205.12	1
36	368	5.12	1
36	387	-13.88	-1
36	178	195.12	1
36	197	176.12	1
36	172	201.12	1
36	218	155.12	1
36	245	128.12	1
36	286	87.12	1
36	230	143.12	1
36	231	142.12	1
36	232	141.12	1
36	230	143.12	1
36	239	134.12	1
36	287	86.12	1
36	280	93.12	1
36	251	122.12	1
36	191	182.12	1
36	238	135.12	1
36	315	58.12	1
36	238	135.12	1
37	221	224.09	1
37	218	227.09	1
37	191	254.09	1
37	243	202.09	1
37	273	172.09	1
37	282	163.09	1
37	268	177.09	1
37	290	155.09	1
37	396	49.09	1
37	294	151.09	1
37	430	15.09	1
37	369	76.09	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
37	302	143.09	1
37	312	133.09	1
37	142	303.09	1
37	274	171.09	1
37	275	170.09	1
37	299	146.09	1
37	294	151.09	1
37	249	196.09	1
37	297	148.09	1
37	327	118.09	1
37	289	156.09	1
37	251	194.09	1
37	266	179.09	1
37	208	237.09	1
37	172	273.09	1
37	144	301.09	1
37	150	295.09	1
37	219	226.09	1
37	217	228.09	1
37	168	277.09	1
37	146	299.09	1
37	146	299.09	1
37	149	296.09	1
37	171	274.09	1
37	160	285.09	1
37	158	287.09	1
37	173	272.09	1
37	160	285.09	1
37	142	303.09	1
37	135	310.09	1
37	152	293.09	1
37	210	235.09	1
37	229	216.09	1
37	192	253.09	1
37	125	320.09	1
37	169	276.09	1
37	165	280.09	1
37	158	287.09	1
37	128	317.09	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
37	177	268.09	1
37	121	324.09	1
37	109	336.09	1
37	143	302.09	1
37	145	300.09	1
37	226	219.09	1
38	266	137.82	1
38	284	119.82	1
38	263	140.82	1
38	278	125.82	1
38	269	134.82	1
38	266	137.82	1
38	280	123.82	1
38	268	135.82	1
38	260	143.82	1
38	244	159.82	1
38	271	132.82	1
38	224	179.82	1
38	322	81.82	1
38	267	136.82	1
38	208	195.82	1
38	211	192.82	1
38	176	227.82	1
38	216	187.82	1
38	323	80.82	1
38	339	64.82	1
38	189	214.82	1
38	167	236.82	1
38	172	231.82	1
38	180	223.82	1
38	210	193.82	1
38	191	212.82	1
38	452	-48.18	-1
38	313	90.82	1
38	310	93.82	1
38	240	163.82	1
38	259	144.82	1
38	159	244.82	1
38	179	224.82	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
38	272	131.82	1
38	290	113.82	1
38	208	195.82	1
38	216	187.82	1
38	217	186.82	1
38	134	269.82	1
38	168	235.82	1
38	213	190.82	1
38	141	262.82	1
38	132	271.82	1
38	142	261.82	1
38	182	221.82	1
38	220	183.82	1
38	275	128.82	1
38	231	172.82	1
38	236	167.82	1
38	227	176.82	1
38	226	177.82	1
38	143	260.82	1
38	162	241.82	1
38	214	189.82	1
38	155	248.82	1
38	175	228.82	1
39	305	35.65	1
39	309	31.65	1
39	179	161.65	1
39	308	32.65	1
39	285	55.65	1
39	268	72.65	1
39	313	27.65	1
39	309	31.65	1
39	299	41.65	1
39	298	42.65	1
39	301	39.65	1
39	262	78.65	1
39	178	162.65	1
39	164	176.65	1
39	180	160.65	1
39	228	112.65	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
39	210	130.65	1
39	181	159.65	1
39	175	165.65	1
39	131	209.65	1
39	186	154.65	1
39	181	159.65	1
39	193	147.65	1
39	215	125.65	1
39	171	169.65	1
39	150	190.65	1
39	165	175.65	1
39	327	13.65	1
40	267	115.43	1
40	287	95.43	1
40	300	82.43	1
40	297	85.43	1
40	272	110.43	1
40	294	88.43	1
40	261	121.43	1
40	277	105.43	1
40	265	117.43	1
40	265	117.43	1
40	304	78.43	1
40	277	105.43	1
40	122	260.43	1
40	139	243.43	1
40	144	238.43	1
40	150	232.43	1
40	139	243.43	1
40	147	235.43	1
40	171	211.43	1
40	158	224.43	1
40	170	212.43	1
40	161	221.43	1
40	177	205.43	1
40	147	235.43	1
40	136	246.43	1
40	170	212.43	1
40	171	211.43	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
40	171	211.43	1
41	380	62.77	1
41	315	127.77	1
41	272	170.77	1
41	309	133.77	1
41	306	136.77	1
41	326	116.77	1
41	308	134.77	1
41	243	199.77	1
41	255	187.77	1
41	419	23.77	1
41	407	35.77	1
41	387	55.77	1
41	415	27.77	1
41	309	133.77	1
41	280	162.77	1
41	199	243.77	1
41	176	266.77	1
41	170	272.77	1
41	139	303.77	1
41	147	295.77	1
41	198	244.77	1
41	123	319.77	1
41	118	324.77	1
41	180	262.77	1
41	135	307.77	1
41	136	306.77	1
41	129	313.77	1
41	169	273.77	1
41	143	299.77	1
41	181	261.77	1
41	124	318.77	1
41	190	252.77	1
41	155	287.77	1
41	125	317.77	1
41	216	226.77	1
41	206	236.77	1
41	199	243.77	1
41	305	137.77	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
41	333	109.77	1
41	306	136.77	1
41	262	180.77	1
41	208	234.77	1
41	256	186.77	1
41	306	136.77	1
41	161	281.77	1
41	159	283.77	1
41	237	205.77	1
41	203	239.77	1
41	243	199.77	1
41	167	275.77	1
41	265	177.77	1
41	349	93.77	1
41	354	88.77	1
41	319	123.77	1
41	313	129.77	1
41	324	118.77	1
41	325	117.77	1
41	298	144.77	1
41	323	119.77	1
41	311	131.77	1
41	338	104.77	1
41	301	141.77	1
41	326	116.77	1
41	294	148.77	1
41	301	141.77	1
41	299	143.77	1
41	299	143.77	1
41	104	338.77	1
41	137	305.77	1
41	122	320.77	1
41	155	287.77	1
41	138	304.77	1
41	134	308.77	1
41	172	270.77	1
41	192	250.77	1
42	337	115.27	1
42	360	92.27	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
42	334	118.27	1
42	317	135.27	1
42	343	109.27	1
42	366	86.27	1
42	280	172.27	1
42	319	133.27	1
42	271	181.27	1
42	299	153.27	1
42	267	185.27	1
42	249	203.27	1
42	297	155.27	1
42	224	228.27	1
42	260	192.27	1
42	217	235.27	1
42	234	218.27	1
42	257	195.27	1
42	217	235.27	1
42	244	208.27	1
42	422	30.27	1
42	224	228.27	1
42	282	170.27	1
42	427	25.27	1
42	240	212.27	1
42	343	109.27	1
42	354	98.27	1
42	366	86.27	1
42	313	139.27	1
42	210	242.27	1
42	370	82.27	1
42	365	87.27	1
42	356	96.27	1
42	341	111.27	1
42	286	166.27	1
42	283	169.27	1
42	335	117.27	1
42	405	47.27	1
42	345	107.27	1
43	280	138.01	1
43	322	96.01	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
43	296	122.01	1
43	304	114.01	1
43	290	128.01	1
43	151	267.01	1
43	213	205.01	1
43	287	131.01	1
43	229	189.01	1
43	386	32.01	1
43	337	81.01	1
43	332	86.01	1
43	334	84.01	1
43	207	211.01	1
43	178	240.01	1
43	158	260.01	1
43	171	247.01	1
43	121	297.01	1
43	153	265.01	1
43	155	263.01	1
43	179	239.01	1
43	117	301.01	1
43	148	270.01	1
43	129	289.01	1
43	145	273.01	1
43	154	264.01	1
43	138	280.01	1
43	277	141.01	1
43	301	117.01	1
43	288	130.01	1
43	321	97.01	1
43	252	166.01	1
43	222	196.01	1
43	177	241.01	1
43	154	264.01	1
43	145	273.01	1
43	135	283.01	1
43	145	273.01	1
43	173	245.01	1
43	154	264.01	1
43	141	277.01	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
43	148	270.01	1
43	192	226.01	1
43	154	264.01	1
43	143	275.01	1
43	220	198.01	1
43	160	258.01	1
43	263	155.01	1
43	175	243.01	1
44	353	51.50	1
44	324	80.50	1
44	347	57.50	1
44	287	117.50	1
44	336	68.50	1
44	340	64.50	1
44	358	46.50	1
44	382	22.50	1
44	333	71.50	1
44	214	190.50	1
44	167	237.50	1
44	192	212.50	1
44	194	210.50	1
44	322	82.50	1
44	354	50.50	1
44	329	75.50	1
44	305	99.50	1
44	180	224.50	1
44	291	113.50	1
44	360	44.50	1
44	295	109.50	1
44	366	38.50	1
44	203	201.50	1
44	170	234.50	1
44	333	71.50	1
44	311	93.50	1
44	288	116.50	1
44	333	71.50	1
44	337	67.50	1
44	379	25.50	1
44	269	135.50	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
44	311	93.50	1
44	329	75.50	1
44	311	93.50	1
44	249	155.50	1
44	261	143.50	1
44	321	83.50	1
44	299	105.50	1
44	320	84.50	1
44	331	73.50	1
44	269	135.50	1
44	315	89.50	1
44	240	164.50	1
44	247	157.50	1
44	356	48.50	1
44	306	98.50	1
44	292	112.50	1
44	318	86.50	1
44	356	48.50	1
44	381	23.50	1
44	369	35.50	1
44	338	66.50	1
44	359	45.50	1
44	425	-20.50	-1
44	164	240.50	1
44	196	208.50	1
44	182	222.50	1
44	175	229.50	1
44	203	201.50	1
44	282	122.50	1
44	379	25.50	1
44	200	204.50	1
44	294	110.50	1
44	330	74.50	1
44	870	-	-1
		465.50	
44	207	197.50	1
44	267	137.50	1
44	290	114.50	1
44	251	153.50	1
44	236	168.50	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
45	315	119.24	1
45	319	115.24	1
45	260	174.24	1
45	312	122.24	1
45	298	136.24	1
45	254	180.24	1
45	221	213.24	1
45	246	188.24	1
45	215	219.24	1
45	349	85.24	1
45	432	2.24	1
45	169	265.24	1
45	133	301.24	1
45	134	300.24	1
45	132	302.24	1
45	147	287.24	1
45	184	250.24	1
45	173	261.24	1
45	174	260.24	1
45	162	272.24	1
45	172	262.24	1
45	182	252.24	1
45	169	265.24	1
45	166	268.24	1
45	181	253.24	1
45	160	274.24	1
45	185	249.24	1
45	182	252.24	1
45	172	262.24	1
45	281	153.24	1
45	162	272.24	1
45	184	250.24	1
45	192	242.24	1
45	191	243.24	1
45	232	202.24	1
45	182	252.24	1
45	173	261.24	1
45	188	246.24	1
45	174	260.24	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
45	189	245.24	1
45	161	273.24	1
45	196	238.24	1
45	269	165.24	1
45	156	278.24	1
45	145	289.24	1
45	158	276.24	1
45	281	153.24	1
45	297	137.24	1
45	306	128.24	1
45	293	141.24	1
45	165	269.24	1
45	150	284.24	1
45	198	236.24	1
45	206	228.24	1
45	175	259.24	1
45	174	260.24	1
45	206	228.24	1
45	223	211.24	1
45	170	264.24	1
45	173	261.24	1
45	285	149.24	1
45	232	202.24	1
45	142	292.24	1
45	161	273.24	1
45	232	202.24	1
45	420	14.24	1
45	445	-10.76	-1
45	137	297.24	1
45	142	292.24	1
45	298	136.24	1
45	291	143.24	1
45	255	179.24	1
45	248	186.24	1
45	219	215.24	1
45	254	180.24	1
45	278	156.24	1
45	241	193.24	1
45	245	189.24	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
45	240	194.24	1
45	285	149.24	1
45	235	199.24	1
45	250	184.24	1
46	334	101.45	1
46	364	71.45	1
46	325	110.45	1
46	330	105.45	1
46	348	87.45	1
46	350	85.45	1
46	325	110.45	1
46	331	104.45	1
46	374	61.45	1
46	343	92.45	1
46	342	93.45	1
46	318	117.45	1
46	323	112.45	1
46	288	147.45	1
46	285	150.45	1
46	277	158.45	1
46	275	160.45	1
46	220	215.45	1
46	190	245.45	1
46	199	236.45	1
46	306	129.45	1
46	287	148.45	1
46	202	233.45	1
46	333	102.45	1
46	426	9.45	1
46	419	16.45	1
46	397	38.45	1
46	361	74.45	1
46	391	44.45	1
46	352	83.45	1
46	355	80.45	1
46	343	92.45	1
46	138	297.45	1
46	155	280.45	1
46	192	243.45	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
46	104	331.45	1
46	137	298.45	1
46	172	263.45	1
46	122	313.45	1
46	134	301.45	1
46	324	111.45	1
46	284	151.45	1
46	310	125.45	1
46	293	142.45	1
46	278	157.45	1
47	989	- 522.61	-1
47	1035	- 568.61	-1
47	1023	- 556.61	-1
47	377	89.39	1
47	365	101.39	1
47	371	95.39	1
47	422	44.39	1
47	411	55.39	1
47	362	104.39	1
47	162	304.39	1
47	201	265.39	1
47	195	271.39	1
47	179	287.39	1
47	203	263.39	1
47	235	231.39	1
47	239	227.39	1
47	134	332.39	1
47	237	229.39	1
47	140	326.39	1
47	108	358.39	1
47	131	335.39	1
47	220	246.39	1
47	206	260.39	1
47	133	333.39	1
47	222	244.39	1
47	194	272.39	1
47	125	341.39	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
47	184	282.39	1
47	160	306.39	1
47	156	310.39	1
47	185	281.39	1
47	163	303.39	1
47	296	170.39	1
47	361	105.39	1
47	329	137.39	1
47	342	124.39	1
47	329	137.39	1
47	282	184.39	1
48	307	183.93	1
48	280	210.93	1
48	327	163.93	1
48	360	130.93	1
48	433	57.93	1
48	510	-19.07	-1
48	429	61.93	1
48	518	-27.07	-1
48	388	102.93	1
48	174	316.93	1
48	193	297.93	1
48	266	224.93	1
48	328	162.93	1
48	317	173.93	1
48	139	351.93	1
48	239	251.93	1
48	175	315.93	1
48	192	298.93	1
48	192	298.93	1
48	201	289.93	1
48	127	363.93	1
48	217	273.93	1
48	195	295.93	1
48	190	300.93	1
48	195	295.93	1
48	245	245.93	1
48	207	283.93	1
48	164	326.93	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
48	246	244.93	1
48	238	252.93	1
48	215	275.93	1
48	227	263.93	1
48	303	187.93	1
48	310	180.93	1
48	248	242.93	1
48	255	235.93	1
49	344	54.43	1
49	184	214.43	1
49	199	199.43	1
49	191	207.43	1
49	181	217.43	1
49	251	147.43	1
49	285	113.43	1
49	326	72.43	1
49	192	206.43	1
49	129	269.43	1
49	160	238.43	1
49	178	220.43	1
49	217	181.43	1
49	231	167.43	1
49	267	131.43	1
49	253	145.43	1
49	322	76.43	1
49	305	93.43	1
49	177	221.43	1
49	306	92.43	1
49	180	218.43	1
49	156	242.43	1
49	166	232.43	1
49	327	71.43	1
49	191	207.43	1
49	163	235.43	1
49	148	250.43	1
49	157	241.43	1
49	146	252.43	1
49	210	188.43	1
49	206	192.43	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
49	169	229.43	1
49	132	266.43	1
49	177	221.43	1
49	147	251.43	1
49	137	261.43	1
49	261	137.43	1
49	266	132.43	1
49	229	169.43	1
49	248	150.43	1
49	237	161.43	1
49	241	157.43	1
49	207	191.43	1
49	159	239.43	1
49	202	196.43	1
49	154	244.43	1
49	153	245.43	1
49	212	186.43	1
49	129	269.43	1
49	148	250.43	1
49	147	251.43	1
49	212	186.43	1
49	246	152.43	1
49	228	170.43	1
49	207	191.43	1
49	189	209.43	1
49	219	179.43	1
49	205	193.43	1
49	203	195.43	1
49	241	157.43	1
49	217	181.43	1
49	234	164.43	1
49	232	166.43	1
49	220	178.43	1
49	189	209.43	1
49	177	221.43	1
49	159	239.43	1
49	192	206.43	1
49	202	196.43	1
49	161	237.43	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
49	205	193.43	1
49	214	184.43	1
49	208	190.43	1
49	200	198.43	1
49	192	206.43	1
49	193	205.43	1
49	233	165.43	1
49	180	218.43	1
49	194	204.43	1
49	191	207.43	1
49	195	203.43	1
49	168	230.43	1
50	180	170.71	1
50	169	181.71	1
50	175	175.71	1
50	164	186.71	1
50	173	177.71	1
50	170	180.71	1
50	153	197.71	1
50	179	171.71	1
50	179	171.71	1
50	157	193.71	1
50	172	178.71	1
50	185	165.71	1
50	306	44.71	1
50	286	64.71	1
50	292	58.71	1
50	293	57.71	1
50	139	211.71	1
50	167	183.71	1
50	193	157.71	1
50	172	178.71	1
50	179	171.71	1
50	336	14.71	1
50	330	20.71	1
50	155	195.71	1
50	166	184.71	1
50	158	192.71	1
50	206	144.71	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
50	192	158.71	1
50	129	221.71	1
50	120	230.71	1
50	166	184.71	1
50	168	182.71	1
50	163	187.71	1
50	141	209.71	1
50	144	206.71	1
50	226	124.71	1
50	205	145.71	1
50	201	149.71	1
50	217	133.71	1
50	225	125.71	1
50	194	156.71	1
50	222	128.71	1
50	174	176.71	1
50	179	171.71	1
50	162	188.71	1
50	178	172.71	1
50	193	157.71	1
50	180	170.71	1
50	192	158.71	1
50	182	168.71	1
50	178	172.71	1
50	203	147.71	1
50	213	137.71	1
50	182	168.71	1
50	217	133.71	1
50	223	127.71	1
50	182	168.71	1
50	220	130.71	1
50	226	124.71	1
50	211	139.71	1
50	191	159.71	1
50	187	163.71	1
50	199	151.71	1
50	226	124.71	1
50	164	186.71	1
51	288	466.77	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
51	320	434.77	1
51	332	422.77	1
51	327	427.77	1
51	329	425.77	1
51	317	437.77	1
51	310	444.77	1
51	311	443.77	1
51	286	468.77	1
51	206	548.77	1
51	208	546.77	1
51	223	531.77	1
51	248	506.77	1
51	161	593.77	1
51	394	360.77	1
51	282	472.77	1
51	229	525.77	1
51	240	514.77	1
51	188	566.77	1
51	157	597.77	1
51	155	599.77	1
51	184	570.77	1
51	192	562.77	1
51	199	555.77	1
51	186	568.77	1
51	204	550.77	1
51	329	425.77	1
51	453	301.77	1
51	341	413.77	1
51	414	340.77	1
51	419	335.77	1
51	421	333.77	1
51	355	399.77	1
51	343	411.77	1
51	422	332.77	1
51	453	301.77	1
51	204	550.77	1
51	263	491.77	1
51	324	430.77	1
51	733	21.77	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
51	882	-127.23	-1
51	785	-30.23	-1
51	294	460.77	1
51	302	452.77	1
51	279	475.77	1
51	289	465.77	1
51	289	465.77	1
51	410	344.77	1
51	317	437.77	1
51	321	433.77	1
51	320	434.77	1
51	372	382.77	1
51	319	435.77	1
51	264	490.77	1
52	310	188.73	1
52	331	167.73	1
52	315	183.73	1
52	298	200.73	1
52	325	173.73	1
52	327	171.73	1
52	321	177.73	1
52	261	237.73	1
52	277	221.73	1
52	402	96.73	1
52	380	118.73	1
52	391	107.73	1
52	360	138.73	1
52	187	311.73	1
52	189	309.73	1
52	175	323.73	1
52	181	317.73	1
52	132	366.73	1
52	131	367.73	1
52	143	355.73	1
52	191	307.73	1
52	159	339.73	1
52	153	345.73	1
52	188	310.73	1
52	151	347.73	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
52	192	306.73	1
52	142	356.73	1
52	159	339.73	1
52	189	309.73	1
52	228	270.73	1
52	164	334.73	1
52	246	252.73	1
52	140	358.73	1
52	299	199.73	1
52	221	277.73	1
52	335	163.73	1
52	193	305.73	1
52	348	150.73	1
52	326	172.73	1
52	356	142.73	1
52	302	196.73	1
52	303	195.73	1
52	216	282.73	1
52	211	287.73	1
52	229	269.73	1
52	269	229.73	1
52	241	257.73	1
52	257	241.73	1
52	244	254.73	1
52	225	273.73	1
52	239	259.73	1
52	210	288.73	1
53	246	253.65	1
53	252	247.65	1
53	334	165.65	1
53	329	170.65	1
53	341	158.65	1
53	284	215.65	1
53	168	331.65	1
53	157	342.65	1
53	173	326.65	1
53	177	322.65	1
53	192	307.65	1
53	161	338.65	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
53	154	345.65	1
53	163	336.65	1
53	157	342.65	1
53	167	332.65	1
53	311	188.65	1
53	347	152.65	1
53	352	147.65	1
53	362	137.65	1
53	378	121.65	1
53	208	291.65	1
53	180	319.65	1
53	223	276.65	1
53	161	338.65	1
53	198	301.65	1
53	180	319.65	1
53	310	189.65	1
53	177	322.65	1
53	169	330.65	1
53	211	288.65	1
53	149	350.65	1
53	145	354.65	1
53	158	341.65	1
53	167	332.65	1
53	158	341.65	1
53	186	313.65	1
53	176	323.65	1
53	220	279.65	1
53	184	315.65	1
53	253	246.65	1
53	196	303.65	1
53	193	306.65	1
53	185	314.65	1
53	231	268.65	1
53	447	52.65	1
53	503	-3.35	-1
53	320	179.65	1
53	320	179.65	1
54	321	173.62	1
54	321	173.62	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
54	324	170.62	1
54	338	156.62	1
54	316	178.62	1
54	355	139.62	1
54	296	198.62	1
54	267	227.62	1
54	279	215.62	1
54	360	134.62	1
54	361	133.62	1
54	381	113.62	1
54	342	152.62	1
54	210	284.62	1
54	175	319.62	1
54	157	337.62	1
54	178	316.62	1
54	178	316.62	1
54	157	337.62	1
54	177	317.62	1
54	232	262.62	1
54	199	295.62	1
54	165	329.62	1
54	240	254.62	1
54	168	326.62	1
54	210	284.62	1
54	179	315.62	1
54	225	269.62	1
54	225	269.62	1
54	218	276.62	1
54	210	284.62	1
54	162	332.62	1
54	210	284.62	1
54	172	322.62	1
54	199	295.62	1
54	183	311.62	1
54	243	251.62	1
54	327	167.62	1
54	319	175.62	1
54	326	168.62	1
54	292	202.62	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
54	316	178.62	1
54	328	166.62	1
55	266	231.44	1
55	268	229.44	1
55	281	216.44	1
55	273	224.44	1
55	349	148.44	1
55	351	146.44	1
55	303	194.44	1
55	258	239.44	1
55	363	134.44	1
55	338	159.44	1
55	313	184.44	1
55	357	140.44	1
55	272	225.44	1
55	313	184.44	1
55	231	266.44	1
55	419	78.44	1
55	315	182.44	1
55	450	47.44	1
55	292	205.44	1
55	233	264.44	1
56	281	138.68	1
56	266	153.68	1
56	275	144.68	1
56	289	130.68	1
56	372	47.68	1
56	396	23.68	1
56	308	111.68	1
56	276	143.68	1
56	257	162.68	1
56	282	137.68	1
56	257	162.68	1
56	307	112.68	1
56	202	217.68	1
56	201	218.68	1
56	201	218.68	1
56	357	62.68	1
56	354	65.68	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
56	337	82.68	1
56	331	88.68	1
56	225	194.68	1
57	392	39.51	1
57	350	81.51	1
57	183	248.51	1
57	193	238.51	1
57	181	250.51	1
57	170	261.51	1
57	252	179.51	1
57	287	144.51	1
57	306	125.51	1
57	272	159.51	1
57	483	-51.49	-1
57	330	101.51	1
57	392	39.51	1
57	299	132.51	1
57	201	230.51	1
57	219	212.51	1
57	215	216.51	1
57	252	179.51	1
57	282	149.51	1
57	220	211.51	1
57	167	264.51	1
57	215	216.51	1
57	406	25.51	1
57	188	243.51	1
57	197	234.51	1
57	243	188.51	1
57	218	213.51	1
57	189	242.51	1
58	265	120.88	1
58	275	110.88	1
58	205	180.88	1
58	214	171.88	1
58	367	18.88	1
58	202	183.88	1
58	219	166.88	1
58	155	230.88	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
58	183	202.88	1
58	189	196.88	1
58	150	235.88	1
58	186	199.88	1
58	268	117.88	1
58	262	123.88	1
58	254	131.88	1
59	245	113.09	1
59	201	157.09	1
59	224	134.09	1
59	259	99.09	1
59	195	163.09	1
59	294	64.09	1
59	411	-52.91	-1
59	318	40.09	1
59	263	95.09	1
59	374	-15.91	-1
60	217	88.29	1
60	197	108.29	1
60	316	-10.71	-1
60	329	-23.71	-1
60	414	- 108.71	-1
60	199	106.29	1
60	221	84.29	1
60	200	105.29	1
60	270	35.29	1
60	226	79.29	1
60	240	65.29	1
60	209	96.29	1
60	176	129.29	1
60	228	77.29	1
61	260	122.11	1
61	177	205.11	1
61	191	191.11	1
61	201	181.11	1
61	225	157.11	1
61	182	200.11	1
61	194	188.11	1
61	220	162.11	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
61	184	198.11	1
61	133	249.11	1
61	255	127.11	1
61	200	182.11	1
61	259	123.11	1
61	241	141.11	1
61	207	175.11	1
61	174	208.11	1
61	199	183.11	1
61	209	173.11	1
61	302	80.11	1
61	353	29.11	1
62	194	294.69	1
62	167	321.69	1
62	197	291.69	1
62	205	283.69	1
62	298	190.69	1
62	211	277.69	1
62	247	241.69	1
62	267	221.69	1
62	252	236.69	1
62	251	237.69	1
62	253	235.69	1
62	375	113.69	1
62	350	138.69	1
62	365	123.69	1
62	307	181.69	1
62	189	299.69	1
62	275	213.69	1
62	268	220.69	1
62	472	16.69	1
62	267	221.69	1
62	274	214.69	1
62	223	265.69	1
62	470	18.69	1
62	371	117.69	1
62	389	99.69	1
62	350	138.69	1
62	341	147.69	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
62	329	159.69	1
62	340	148.69	1
62	215	273.69	1
63	294	148.53	1
63	343	99.53	1
63	181	261.53	1
63	219	223.53	1
63	165	277.53	1
63	204	238.53	1
63	172	270.53	1
63	249	193.53	1
63	261	181.53	1
63	262	180.53	1
63	288	154.53	1
63	285	157.53	1
63	339	103.53	1
63	305	137.53	1
63	303	139.53	1
63	320	122.53	1
63	316	126.53	1
63	327	115.53	1
63	290	152.53	1
63	261	181.53	1
63	203	239.53	1
63	343	99.53	1
63	202	240.53	1
63	180	262.53	1
63	177	265.53	1
63	351	91.53	1
63	193	249.53	1
63	330	112.53	1
63	224	218.53	1
63	249	193.53	1
64	268	279.59	1
64	315	232.59	1
64	281	266.59	1
64	355	192.59	1
64	342	205.59	1
64	334	213.59	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
64	324	223.59	1
64	331	216.59	1
64	325	222.59	1
64	310	237.59	1
64	286	261.59	1
64	319	228.59	1
64	313	234.59	1
64	445	102.59	1
65	326	104.20	1
65	277	153.20	1
65	225	205.20	1
65	269	161.20	1
65	291	139.20	1
65	285	145.20	1
65	319	111.20	1
65	185	245.20	1
65	332	98.20	1
65	316	114.20	1
65	344	86.20	1
65	355	75.20	1
65	302	128.20	1
65	369	61.20	1
65	302	128.20	1
65	321	109.20	1
65	332	98.20	1
65	328	102.20	1
65	288	142.20	1
65	340	90.20	1
65	234	196.20	1
65	208	222.20	1
65	272	158.20	1
65	259	171.20	1
65	183	247.20	1
66	337	118.26	1
66	321	134.26	1
66	245	210.26	1
66	209	246.26	1
67	317	88.27	1
67	349	56.27	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
67	378	27.27	1
67	339	66.27	1
67	334	71.27	1
67	346	59.27	1
67	343	62.27	1
67	406	-0.73	-1
67	434	-28.73	-1
67	399	6.27	1
67	419	-13.73	-1
67	403	2.27	1
67	454	-48.73	-1
67	372	33.27	1
67	382	23.27	1
67	344	61.27	1
67	366	39.27	1
67	345	60.27	1
67	326	79.27	1
67	305	100.27	1
67	500	-94.73	-1
67	495	-89.73	-1
67	410	-4.73	-1
67	378	27.27	1
67	458	-52.73	-1
67	416	-10.73	-1
67	306	99.27	1
67	303	102.27	1
67	353	52.27	1
67	372	33.27	1
67	324	81.27	1
67	307	98.27	1
67	312	93.27	1
67	330	75.27	1
67	401	4.27	1
67	274	131.27	1
67	387	18.27	1
67	332	73.27	1
67	287	118.27	1
67	330	75.27	1
67	310	95.27	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
67	333	72.27	1
67	324	81.27	1
67	318	87.27	1
67	349	56.27	1
67	344	61.27	1
67	220	185.27	1
67	308	97.27	1
67	297	108.27	1
67	177	228.27	1
67	333	72.27	1
67	274	131.27	1
67	322	83.27	1
67	299	106.27	1
67	334	71.27	1
67	320	85.27	1
67	338	67.27	1
67	309	96.27	1
67	303	102.27	1
67	342	63.27	1
67	268	137.27	1
67	316	89.27	1
67	338	67.27	1
67	334	71.27	1
67	329	76.27	1
67	300	105.27	1
67	337	68.27	1
67	292	113.27	1
67	304	101.27	1
67	324	81.27	1
67	293	112.27	1
67	286	119.27	1
67	209	196.27	1
67	278	127.27	1
67	236	169.27	1
67	220	185.27	1
67	250	155.27	1
67	277	128.27	1
67	254	151.27	1
67	273	132.27	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
67	424	-18.73	-1
67	287	118.27	1
67	263	142.27	1
68	274	170.75	1
68	272	172.75	1
68	271	173.75	1
68	252	192.75	1
68	286	158.75	1
68	277	167.75	1
68	290	154.75	1
68	311	133.75	1
68	291	153.75	1
68	286	158.75	1
68	297	147.75	1
68	304	140.75	1
68	258	186.75	1
68	258	186.75	1
68	312	132.75	1
68	291	153.75	1
68	263	181.75	1
68	275	169.75	1
68	258	186.75	1
68	258	186.75	1
68	293	151.75	1
68	313	131.75	1
68	289	155.75	1
68	294	150.75	1
68	206	238.75	1
68	202	242.75	1
68	196	248.75	1
68	181	263.75	1
68	196	248.75	1
68	204	240.75	1
68	194	250.75	1
68	187	257.75	1
68	245	199.75	1
68	191	253.75	1
68	230	214.75	1
68	182	262.75	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
68	169	275.75	1
68	195	249.75	1
68	662	- 217.25	-1
68	236	208.75	1
68	395	49.75	1
68	254	190.75	1
68	224	220.75	1
68	302	142.75	1
68	264	180.75	1
69	278	127.22	1
69	232	173.22	1
69	271	134.22	1
69	246	159.22	1
69	225	180.22	1
69	258	147.22	1
69	253	152.22	1
69	318	87.22	1
69	299	106.22	1
69	285	120.22	1
69	298	107.22	1
69	367	38.22	1
69	355	50.22	1
69	275	130.22	1
69	241	164.22	1
69	244	161.22	1
69	223	182.22	1
69	235	170.22	1
69	284	121.22	1
69	226	179.22	1
69	357	48.22	1
69	243	162.22	1
69	258	147.22	1
69	272	133.22	1
69	249	156.22	1
69	203	202.22	1
69	240	165.22	1
69	327	78.22	1
69	308	97.22	1
69	281	124.22	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
69	283	122.22	1
69	278	127.22	1
69	302	103.22	1
69	291	114.22	1
69	269	136.22	1
69	291	114.22	1
69	290	115.22	1
70	299	141.99	1
70	369	71.99	1
70	360	80.99	1
70	281	159.99	1
70	349	91.99	1
70	311	129.99	1
70	323	117.99	1
70	343	97.99	1
70	376	64.99	1
70	405	35.99	1
70	386	54.99	1
70	298	142.99	1
70	342	98.99	1
70	336	104.99	1
70	335	105.99	1
70	316	124.99	1
70	309	131.99	1
70	369	71.99	1
70	270	170.99	1
70	265	175.99	1
70	318	122.99	1
70	309	131.99	1
70	368	72.99	1
70	326	114.99	1
70	342	98.99	1
70	313	127.99	1
70	309	131.99	1
70	311	129.99	1
70	300	140.99	1
70	305	135.99	1
70	335	105.99	1
70	208	232.99	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
70	253	187.99	1
70	251	189.99	1
70	234	206.99	1
70	219	221.99	1
70	218	222.99	1
70	201	239.99	1
70	238	202.99	1
70	237	203.99	1
70	212	228.99	1
70	209	231.99	1
70	212	228.99	1
70	217	223.99	1
70	221	219.99	1
70	228	212.99	1
70	205	235.99	1
70	224	216.99	1
70	220	220.99	1
70	256	184.99	1
70	219	221.99	1
70	254	186.99	1
70	230	210.99	1
70	234	206.99	1
70	242	198.99	1
70	255	185.99	1
70	236	204.99	1
70	244	196.99	1
70	210	230.99	1
70	232	208.99	1
70	197	243.99	1
70	208	232.99	1
70	213	227.99	1
70	217	223.99	1
70	229	211.99	1
70	193	247.99	1
70	187	253.99	1
70	197	243.99	1
70	186	254.99	1
70	189	251.99	1
70	208	232.99	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
70	193	247.99	1
70	199	241.99	1
70	198	242.99	1
70	193	247.99	1
70	212	228.99	1
70	243	197.99	1
70	203	237.99	1
70	201	239.99	1
70	221	219.99	1
70	212	228.99	1
70	169	271.99	1
70	204	236.99	1
70	206	234.99	1
70	217	223.99	1
70	214	226.99	1
70	204	236.99	1
70	207	233.99	1
70	222	218.99	1
70	223	217.99	1
70	222	218.99	1
70	211	229.99	1
70	220	220.99	1
70	222	218.99	1
70	223	217.99	1
70	227	213.99	1
70	247	193.99	1
70	234	206.99	1
70	230	210.99	1
70	201	239.99	1
70	225	215.99	1
70	236	204.99	1
70	214	226.99	1
70	213	227.99	1
70	241	199.99	1
70	217	223.99	1
70	209	231.99	1
70	233	207.99	1
70	209	231.99	1
70	236	204.99	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
70	267	173.99	1
70	227	213.99	1
70	242	198.99	1
70	235	205.99	1
70	224	216.99	1
70	240	200.99	1
70	205	235.99	1
70	235	205.99	1
70	238	202.99	1
70	245	195.99	1
70	241	199.99	1
70	231	209.99	1
70	254	186.99	1
70	233	207.99	1
70	261	179.99	1
70	260	180.99	1
70	211	229.99	1
70	238	202.99	1
70	269	171.99	1
70	237	203.99	1
70	229	211.99	1
70	236	204.99	1
70	209	231.99	1
70	196	244.99	1
70	217	223.99	1
70	200	240.99	1
70	205	235.99	1
70	192	248.99	1
70	214	226.99	1
70	210	230.99	1
70	200	240.99	1
70	216	224.99	1
70	234	206.99	1
70	219	221.99	1
70	251	189.99	1
70	233	207.99	1
70	239	201.99	1
70	255	185.99	1
70	245	195.99	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
70	250	190.99	1
70	265	175.99	1
70	250	190.99	1
70	234	206.99	1
70	309	131.99	1
70	274	166.99	1
70	270	170.99	1
70	234	206.99	1
71	422	61.20	1
71	331	152.20	1
71	445	38.20	1
71	373	110.20	1
71	263	220.20	1
71	353	130.20	1
71	302	181.20	1
71	305	178.20	1
71	275	208.20	1
71	259	224.20	1
71	318	165.20	1
71	297	186.20	1
71	346	137.20	1
71	307	176.20	1
71	328	155.20	1
71	288	195.20	1
71	292	191.20	1
71	261	222.20	1
71	307	176.20	1
71	334	149.20	1
71	359	124.20	1
71	334	149.20	1
71	278	205.20	1
71	208	275.20	1
71	218	265.20	1
71	290	193.20	1
71	273	210.20	1
71	332	151.20	1
71	503	-19.80	-1
71	358	125.20	1
71	470	13.20	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
71	318	165.20	1
71	349	134.20	1
71	240	243.20	1
71	459	24.20	1
71	379	104.20	1
71	411	72.20	1
71	339	144.20	1
72	304	306.64	1
72	278	332.64	1
72	268	342.64	1
72	278	332.64	1
72	287	323.64	1
72	282	328.64	1
72	302	308.64	1
72	235	375.64	1
72	272	338.64	1
72	386	224.64	1
72	315	295.64	1
72	307	303.64	1
72	264	346.64	1
72	264	346.64	1
72	601	9.64	1
72	235	375.64	1
72	260	350.64	1
72	257	353.64	1
72	202	408.64	1
72	195	415.64	1
72	231	379.64	1
72	345	265.64	1
72	358	252.64	1
72	298	312.64	1
72	291	319.64	1
72	215	395.64	1
72	187	423.64	1
72	196	414.64	1
72	571	39.64	1
72	196	414.64	1
72	222	388.64	1
72	196	414.64	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
72	233	377.64	1
72	224	386.64	1
72	213	397.64	1
72	188	422.64	1
72	197	413.64	1
72	202	408.64	1
72	242	368.64	1
72	262	348.64	1
72	247	363.64	1
72	351	259.64	1
72	248	362.64	1
72	298	312.64	1
72	292	318.64	1
72	301	309.64	1
72	306	304.64	1
72	316	294.64	1
72	249	361.64	1
72	242	368.64	1
72	229	381.64	1
72	243	367.64	1
72	431	179.64	1
72	323	287.64	1
72	400	210.64	1
72	301	309.64	1
72	431	179.64	1
72	360	250.64	1
72	447	163.64	1
72	430	180.64	1
72	408	202.64	1
72	326	284.64	1
72	415	195.64	1
72	292	318.64	1
72	454	156.64	1
72	350	260.64	1
72	411	199.64	1
72	354	256.64	1
72	435	175.64	1
72	361	249.64	1
72	466	144.64	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
72	359	251.64	1
72	218	392.64	1
72	210	400.64	1
72	225	385.64	1
72	248	362.64	1
72	214	396.64	1
72	217	393.64	1
72	221	389.64	1
72	210	400.64	1
72	228	382.64	1
72	220	390.64	1
72	210	400.64	1
72	211	399.64	1
72	199	411.64	1
72	221	389.64	1
72	246	364.64	1
72	191	419.64	1
72	215	395.64	1
72	212	398.64	1
72	224	386.64	1
72	228	382.64	1
72	224	386.64	1
72	231	379.64	1
72	229	381.64	1
72	208	402.64	1
72	198	412.64	1
72	271	339.64	1
72	263	347.64	1
72	239	371.64	1
72	302	308.64	1
72	315	295.64	1
72	311	299.64	1
72	288	322.64	1
72	249	361.64	1
72	240	370.64	1
73	257	266.67	1
73	263	260.67	1
73	302	221.67	1
73	306	217.67	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
73	249	274.67	1
73	384	139.67	1
73	508	15.67	1
73	282	241.67	1
73	255	268.67	1
73	319	204.67	1
73	297	226.67	1
73	329	194.67	1
73	280	243.67	1
73	249	274.67	1
73	259	264.67	1
73	309	214.67	1
73	309	214.67	1
73	314	209.67	1
73	272	251.67	1
73	299	224.67	1
73	309	214.67	1
73	282	241.67	1
73	333	190.67	1
73	343	180.67	1
73	352	171.67	1
73	285	238.67	1
73	382	141.67	1
73	388	135.67	1
73	320	203.67	1
73	342	181.67	1
73	254	269.67	1
73	309	214.67	1
73	241	282.67	1
73	232	291.67	1
73	301	222.67	1
73	273	250.67	1
73	243	280.67	1
73	250	273.67	1
73	247	276.67	1
73	236	287.67	1
73	244	279.67	1
73	254	269.67	1
73	245	278.67	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
73	273	250.67	1
73	232	291.67	1
73	245	278.67	1
73	237	286.67	1
73	260	263.67	1
73	258	265.67	1
73	283	240.67	1
73	257	266.67	1
73	291	232.67	1
73	260	263.67	1
73	269	254.67	1
73	266	257.67	1
73	303	220.67	1
73	238	285.67	1
73	247	276.67	1
73	268	255.67	1
73	327	196.67	1
73	277	246.67	1
73	236	287.67	1
73	257	266.67	1
73	228	295.67	1
73	185	338.67	1
73	272	251.67	1
73	270	253.67	1
73	257	266.67	1
73	305	218.67	1
73	264	259.67	1
73	245	278.67	1
73	264	259.67	1
73	212	311.67	1
73	231	292.67	1
73	218	305.67	1
73	218	305.67	1
73	219	304.67	1
73	243	280.67	1
73	254	269.67	1
73	235	288.67	1
73	292	231.67	1
73	261	262.67	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
73	245	278.67	1
73	271	252.67	1
73	212	311.67	1
73	218	305.67	1
74	439	231.41	1
74	380	290.41	1
74	420	250.41	1
74	371	299.41	1
74	400	270.41	1
74	381	289.41	1
74	418	252.41	1
74	245	425.41	1
74	589	81.41	1
74	479	191.41	1
74	432	238.41	1
74	400	270.41	1
74	372	298.41	1
74	423	247.41	1
74	391	279.41	1
74	362	308.41	1
74	419	251.41	1
74	395	275.41	1
74	549	121.41	1
74	584	86.41	1
74	226	444.41	1
74	201	469.41	1
74	217	453.41	1
74	247	423.41	1
74	391	279.41	1
74	278	392.41	1
74	279	391.41	1
74	262	408.41	1
74	282	388.41	1
74	234	436.41	1
74	227	443.41	1
74	239	431.41	1
74	246	424.41	1
74	240	430.41	1
74	296	374.41	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
74	281	389.41	1
74	290	380.41	1
74	282	388.41	1
74	387	283.41	1
74	218	452.41	1
74	241	429.41	1
74	203	467.41	1
74	269	401.41	1
74	342	328.41	1
74	283	387.41	1
74	321	349.41	1
74	299	371.41	1
74	368	302.41	1
74	313	357.41	1
74	295	375.41	1
74	227	443.41	1
74	218	452.41	1
74	222	448.41	1
74	243	427.41	1
74	216	454.41	1
74	247	423.41	1
74	250	420.41	1
74	240	430.41	1
74	319	351.41	1
74	301	369.41	1
74	379	291.41	1
74	245	425.41	1
74	211	459.41	1
74	246	424.41	1
74	233	437.41	1
74	206	464.41	1
74	197	473.41	1
74	260	410.41	1
74	233	437.41	1
74	225	445.41	1
74	225	445.41	1
74	234	436.41	1
74	170	500.41	1
74	217	453.41	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
74	235	435.41	1
74	231	439.41	1
74	204	466.41	1
74	246	424.41	1
74	222	448.41	1
74	218	452.41	1
74	228	442.41	1
74	233	437.41	1
74	224	446.41	1
74	205	465.41	1
74	290	380.41	1
74	245	425.41	1
75	275	317.17	1
75	386	206.17	1
75	419	173.17	1
75	384	208.17	1
75	404	188.17	1
75	463	129.17	1
75	389	203.17	1
75	392	200.17	1
75	212	380.17	1
75	390	202.17	1
75	331	261.17	1
75	252	340.17	1
75	230	362.17	1
75	548	44.17	1
75	348	244.17	1
75	321	271.17	1
75	317	275.17	1
75	258	334.17	1
75	266	326.17	1
75	319	273.17	1
75	419	173.17	1
75	383	209.17	1
75	452	140.17	1
75	498	94.17	1
75	433	159.17	1
75	459	133.17	1
75	303	289.17	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
75	239	353.17	1
75	360	232.17	1
75	285	307.17	1
75	289	303.17	1
75	286	306.17	1
75	301	291.17	1
75	289	303.17	1
75	400	192.17	1
75	447	145.17	1
75	400	192.17	1
75	324	268.17	1
75	395	197.17	1
75	442	150.17	1
75	361	231.17	1
75	461	131.17	1
75	410	182.17	1
75	360	232.17	1
75	282	310.17	1
75	337	255.17	1
75	296	296.17	1
75	306	286.17	1
75	350	242.17	1
75	240	352.17	1
75	210	382.17	1
75	305	287.17	1
75	209	383.17	1
75	316	276.17	1
75	315	277.17	1
75	185	407.17	1
75	284	308.17	1
75	413	179.17	1
75	270	322.17	1
75	301	291.17	1
75	297	295.17	1
75	275	317.17	1
75	280	312.17	1
75	303	289.17	1
75	306	286.17	1
75	279	313.17	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
75	270	322.17	1
75	304	288.17	1
75	290	302.17	1
75	318	274.17	1
76	641	111.79	1
76	704	48.79	1
76	675	77.79	1
76	375	377.79	1
76	392	360.79	1
76	236	516.79	1
76	572	180.79	1
76	392	360.79	1
76	622	130.79	1
76	553	199.79	1
76	580	172.79	1
76	587	165.79	1
76	487	265.79	1
76	590	162.79	1
76	539	213.79	1
76	542	210.79	1
76	599	153.79	1
76	335	417.79	1
76	376	376.79	1
76	292	460.79	1
76	246	506.79	1
76	237	515.79	1
76	167	585.79	1
76	183	569.79	1
76	468	284.79	1
76	518	234.79	1
76	537	215.79	1
76	256	496.79	1
76	269	483.79	1
76	276	476.79	1
76	291	461.79	1
76	360	392.79	1
76	257	495.79	1
76	317	435.79	1
76	298	454.79	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
76	275	477.79	1
76	503	249.79	1
76	435	317.79	1
76	275	477.79	1
76	167	585.79	1
76	223	529.79	1
76	297	455.79	1
76	237	515.79	1
76	319	433.79	1
76	364	388.79	1
76	241	511.79	1
76	208	544.79	1
76	222	530.79	1
76	238	514.79	1
76	222	530.79	1
76	238	514.79	1
76	291	461.79	1
76	266	486.79	1
76	259	493.79	1
76	461	291.79	1
76	474	278.79	1
76	449	303.79	1
76	464	288.79	1
76	468	284.79	1
76	456	296.79	1
76	487	265.79	1
76	465	287.79	1
76	483	269.79	1
76	463	289.79	1
76	525	227.79	1
76	492	260.79	1
76	274	478.79	1
76	240	512.79	1
76	211	541.79	1
76	230	522.79	1
76	216	536.79	1
76	219	533.79	1
76	204	548.79	1
76	246	506.79	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
76	240	512.79	1
76	193	559.79	1
77	287	348.76	1
77	315	320.76	1
77	303	332.76	1
77	301	334.76	1
77	287	348.76	1
77	270	365.76	1
77	320	315.76	1
77	269	366.76	1
77	211	424.76	1
77	370	265.76	1
77	334	301.76	1
77	364	271.76	1
77	303	332.76	1
77	352	283.76	1
78	223	378.07	1
78	259	342.07	1
78	262	339.07	1
78	317	284.07	1
78	288	313.07	1
78	251	350.07	1
78	259	342.07	1
78	254	347.07	1
78	248	353.07	1
78	229	372.07	1
78	549	52.07	1
78	217	384.07	1
78	335	266.07	1
78	255	346.07	1
78	302	299.07	1
78	270	331.07	1
78	357	244.07	1
78	322	279.07	1
78	257	344.07	1
78	259	342.07	1
78	345	256.07	1
78	211	390.07	1
78	203	398.07	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
78	173	428.07	1
78	197	404.07	1
78	261	340.07	1
78	201	400.07	1
78	215	386.07	1
78	516	85.07	1
78	277	324.07	1
78	192	409.07	1
78	222	379.07	1
78	235	366.07	1
78	206	395.07	1
78	201	400.07	1
78	192	409.07	1
78	401	200.07	1
78	311	290.07	1
78	413	188.07	1
78	275	326.07	1
78	395	206.07	1
78	257	344.07	1
78	428	173.07	1
78	333	268.07	1
78	373	228.07	1
78	255	346.07	1
78	401	200.07	1
78	334	267.07	1
78	402	199.07	1
78	376	225.07	1
78	433	168.07	1
78	294	307.07	1
78	417	184.07	1
78	349	252.07	1
78	219	382.07	1
78	208	393.07	1
78	220	381.07	1
78	199	402.07	1
78	221	380.07	1
78	199	402.07	1
78	213	388.07	1
78	202	399.07	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
78	444	157.07	1
78	218	383.07	1
78	208	393.07	1
78	272	329.07	1
78	244	357.07	1
78	269	332.07	1
78	262	339.07	1
79	207	315.44	1
79	163	359.44	1
79	222	300.44	1
79	155	367.44	1
79	286	236.44	1
79	235	287.44	1
79	232	290.44	1
79	264	258.44	1
79	347	175.44	1
79	299	223.44	1
79	242	280.44	1
79	336	186.44	1
79	229	293.44	1
79	303	219.44	1
79	341	181.44	1
79	261	261.44	1
79	295	227.44	1
79	258	264.44	1
79	293	229.44	1
79	216	306.44	1
79	224	298.44	1
79	310	212.44	1
79	283	239.44	1
79	251	271.44	1
79	227	295.44	1
79	265	257.44	1
79	271	251.44	1
79	259	263.44	1
79	311	211.44	1
79	278	244.44	1
79	204	318.44	1
79	231	291.44	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
79	210	312.44	1
79	209	313.44	1
79	234	288.44	1
79	387	135.44	1
79	275	247.44	1
79	249	273.44	1
79	325	197.44	1
79	566	-43.56	-1
79	542	-19.56	-1
79	615	-92.56	-1
79	400	122.44	1
79	613	-90.56	-1
79	503	19.44	1
79	394	128.44	1
79	448	74.44	1
79	299	223.44	1
79	859	-336.56	-1
79	706	-183.56	-1
79	229	293.44	1
79	733	-210.56	-1
79	751	-228.56	-1
79	752	-229.56	-1
79	443	79.44	1
79	512	10.44	1
80	531	449.07	1
80	805	175.07	1
80	776	204.07	1
80	655	325.07	1
80	509	471.07	1
81	460	-3.14	-1
81	353	103.86	1
81	308	148.86	1
81	251	205.86	1
81	263	193.86	1
81	217	239.86	1
81	305	151.86	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
81	353	103.86	1
81	446	10.86	1
81	355	101.86	1
81	288	168.86	1
81	280	176.86	1
81	296	160.86	1
81	230	226.86	1
81	255	201.86	1
81	229	227.86	1
82	371	9.98	1
82	306	74.98	1
82	337	43.98	1
82	334	46.98	1
82	318	62.98	1
82	301	79.98	1
82	307	73.98	1
82	295	85.98	1
82	317	63.98	1
82	372	8.98	1
82	321	59.98	1
82	197	183.98	1
82	230	150.98	1
82	249	131.98	1
82	281	99.98	1
82	235	145.98	1
82	281	99.98	1
82	277	103.98	1
82	289	91.98	1
82	284	96.98	1
82	331	49.98	1
82	326	54.98	1
82	325	55.98	1
82	164	216.98	1
82	354	26.98	1
82	326	54.98	1
82	297	83.98	1
82	317	63.98	1
82	348	32.98	1
82	265	115.98	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
82	327	53.98	1
82	311	69.98	1
82	202	178.98	1
82	313	67.98	1
82	282	98.98	1
82	360	20.98	1
82	336	44.98	1
82	346	34.98	1
82	316	64.98	1
82	252	128.98	1
82	230	150.98	1
82	245	135.98	1
82	262	118.98	1
82	331	49.98	1
82	249	131.98	1
82	231	149.98	1
82	239	141.98	1
82	305	75.98	1
83	314	28.01	1
83	254	88.01	1
83	289	53.01	1
83	252	90.01	1
83	286	56.01	1
83	234	108.01	1
83	272	70.01	1
83	270	72.01	1
83	278	64.01	1
83	313	29.01	1
83	213	129.01	1
83	252	90.01	1
83	232	110.01	1
83	252	90.01	1
83	235	107.01	1
83	247	95.01	1
83	227	115.01	1
83	199	143.01	1
83	226	116.01	1
83	363	-20.99	-1
83	271	71.01	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
83	251	91.01	1
83	301	41.01	1
83	303	39.01	1
83	313	29.01	1
83	295	47.01	1
83	263	79.01	1
83	233	109.01	1
83	221	121.01	1
83	262	80.01	1
83	266	76.01	1
83	235	107.01	1
83	215	127.01	1
83	236	106.01	1
83	236	106.01	1
83	249	93.01	1
83	287	55.01	1
83	176	166.01	1
83	275	67.01	1
83	187	155.01	1
83	226	116.01	1
83	245	97.01	1
84	252	149.90	1
84	233	168.90	1
84	269	132.90	1
84	226	175.90	1
84	207	194.90	1
84	221	180.90	1
84	328	73.90	1
84	331	70.90	1
84	293	108.90	1
84	294	107.90	1
84	301	100.90	1
84	317	84.90	1
84	286	115.90	1
84	351	50.90	1
84	294	107.90	1
84	342	59.90	1
84	321	80.90	1
84	374	27.90	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
84	294	107.90	1
84	303	98.90	1
84	295	106.90	1
84	323	78.90	1
84	310	91.90	1
84	307	94.90	1
84	316	85.90	1
84	294	107.90	1
84	313	88.90	1
84	333	68.90	1
84	398	3.90	1
84	436	-34.10	-1
84	421	-19.10	-1
84	394	7.90	1
84	248	153.90	1
84	228	173.90	1
84	242	159.90	1
84	229	172.90	1
84	265	136.90	1
84	157	244.90	1
84	269	132.90	1
84	185	216.90	1
84	209	192.90	1
84	237	164.90	1
85	375	721.94	1
85	265	831.94	1
85	292	804.94	1
85	343	753.94	1
85	350	746.94	1
85	527	569.94	1
85	302	794.94	1
85	585	511.94	1
85	270	826.94	1
85	394	702.94	1
85	321	775.94	1
85	313	783.94	1
85	394	702.94	1
85	313	783.94	1
85	361	735.94	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
85	330	766.94	1
85	324	772.94	1
85	825	271.94	1
85	934	162.94	1
85	632	464.94	1
85	730	366.94	1
85	870	226.94	1
85	743	353.94	1
85	482	614.94	1
85	434	662.94	1
85	478	618.94	1
85	163	933.94	1
85	290	806.94	1
85	539	557.94	1
85	670	426.94	1
85	508	588.94	1
85	460	636.94	1
85	331	765.94	1
85	568	528.94	1
85	443	653.94	1
85	780	316.94	1
85	872	224.94	1
85	899	197.94	1
85	498	598.94	1
85	968	128.94	1
85	925	171.94	1
85	718	378.94	1
85	649	447.94	1
85	721	375.94	1
85	726	370.94	1
85	714	382.94	1
85	714	382.94	1
85	713	383.94	1
85	330	766.94	1
85	342	754.94	1
85	335	761.94	1
85	350	746.94	1
85	249	847.94	1
85	286	810.94	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
85	379	717.94	1
85	335	761.94	1
85	285	811.94	1
85	280	816.94	1
85	264	832.94	1
85	294	802.94	1
85	529	567.94	1
85	509	587.94	1
85	538	558.94	1
85	305	791.94	1
86	334	335.40	1
86	312	357.40	1
86	230	439.40	1
86	316	353.40	1
86	270	399.40	1
86	264	405.40	1
86	285	384.40	1
86	309	360.40	1
86	327	342.40	1
86	290	379.40	1
86	325	344.40	1
86	313	356.40	1
86	353	316.40	1
86	331	338.40	1
86	327	342.40	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
86	326	343.40	1
86	338	331.40	1
86	348	321.40	1
86	405	264.40	1
86	420	249.40	1
86	345	324.40	1
86	371	298.40	1
86	380	289.40	1
86	330	339.40	1
86	316	353.40	1
86	318	351.40	1
86	330	339.40	1
86	311	358.40	1
86	302	367.40	1
86	319	350.40	1
87	598	- 117.02	-1
87	282	198.98	1
87	269	211.98	1
87	292	188.98	1
87	305	175.98	1
87	271	209.98	1
87	286	194.98	1
87	291	189.98	1
87	269	211.98	1
87	281	199.98	1

Survey Unit #	Gross Count Rate, Ri (cpm)	DCGL-Ri	Sign
87	293	187.98	1
87	257	223.98	1
87	285	195.98	1
87	250	230.98	1
87	292	188.98	1
87	314	166.98	1
87	236	244.98	1
87	254	226.98	1
87	228	252.98	1
87	296	184.98	1
87	282	198.98	1
87	324	156.98	1
87	325	155.98	1
87	330	150.98	1
87	309	171.98	1
87	259	221.98	1
87	301	179.98	1
87	296	184.98	1
87	295	185.98	1
87	282	198.98	1
87	276	204.98	1
87	292	188.98	1
87	306	174.98	1
87	297	183.98	1
87	275	205.98	1