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As a follow-up, here is the report for 12.

Thanks,

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FINAL
SURVEY UNIT 12 PROJECT REPORT

October 16, 2007

PARCEL B SANITARY SEWER
AND STORM DRAIN REMOVAL PROJECT
HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA

Base Realignment and Closure
Program Management Office West
1455 Frazee Road, Suite 900
San Diego, California 92108-4310

CONTRACT NO. N62473-06-D-2201
CTO NO. 0006

FINAL

SURVEY UNIT 12 PROJECT REPORT
October 16, 2007

PARCEL B SANITARY SEWER AND STORM DRAIN REMOVAL PROJECT HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA

DCN: ECSD-2201-0006-0015

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Contract No. N62473-06-D-2201 (RAC IV)

Document Control No. ECSD-2201-0006-0015

File Code: 5.0

TO: Contracting Officer
Naval Facilities Engineering Command SW
Ms. Beatrice Appling, AQE.BA
Building 127, Room 108
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DATE: 10/31/07
CTO: 0006
LOCATION: Hunters Point, CA

FROM: A. N. Bolt

A. N. Bolt, Program Manager

DESCRIPTION: Final Survey Unit 12 Project Report, October 16, 2007

TYPE: ☐ Contract/Deliverable ☒ CTO Deliverable ☐ Notification ☐ Other

VERSION: Final (e.g. Draft, Draft Final, Final, etc.)

REVISION #: N/A

ADMIN RECORD: (PM to Identify) Yes ☒ No ☐ Category ☐ Confidential ☐

SCHEDULED DELIVERY DATE: 10/16/07

ACTUAL DELIVERY DATE: 10/31/07

NUMBER OF COPIES SUBMITTED: O/9C/7E

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Attachment 10	Results of the Statistical Tests – Overburden Unit 69
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Attachment 12	Trench Unit RESRAD Report

ABBREVIATIONS AND ACRONYMS

^{214}Bi	bismuth-214
^{137}Cs	cesium-137
^{152}Eu	europium-152
HPS	Hunters Point Shipyard
m^2	square meter
MDA	minimum detectable activity
mrem/y	millirem per year
pCi/g	picocurie per gram
^{226}Ra	radium-226
ROC	radionuclide of concern
^{90}Sr	strontium-90
SUPR	Survey Unit Project Report
TtEC	Tetra Tech EC, Inc.
VSP	Visual Sampling Plan
WRS	Wilcoxon Rank-Sum

1.0 INTRODUCTION

1.1 PURPOSE

This Survey Unit Project Report (SUPR) documents the work performed in Survey Unit 12 (inclusive of the trench and the associated overburden material used as fill). The work was conducted under the *Final, Base-wide Storm Drain and Sanitary Sewer Removal Work Plan* (Tetra Tech EC, Inc. [TtEC], 2006a) (Work Plan). This SUPR summarizes the scope, approach and radiological surveys resulting from the removal of the sanitary sewer and storm drains located within Area 9 in Parcel B at Hunters Point Shipyard (HPS), San Francisco, California.

Information that was provided in the *Survey Unit Project Reports Abstract* (TtEC, 2006b) will only be repeated if there are exceptions to the information already provided.

1.2 BACKGROUND

Survey Unit 12 includes Trench Unit 12 and excavated soil from Overburden Units 50, 53, 60, and 69, which was used for backfill. Survey Unit 12 is located in Parcel B within Area 9 as identified in Figure 1-1. Trench Unit 12 is located northeast of radiologically-impacted Building 103, along English Street. The footprint of Trench Unit 12 was 180 feet by 233 feet (54.86 meters by 71.02 meters). The total surface area was 9,743.42 square feet (905.19 square meters [m^2]) of actual excavated trench, in varying depths up to 9 feet below ground surface.

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FIGURE 1-1 - PARCEL B, SURVEY UNIT KEY PLAN

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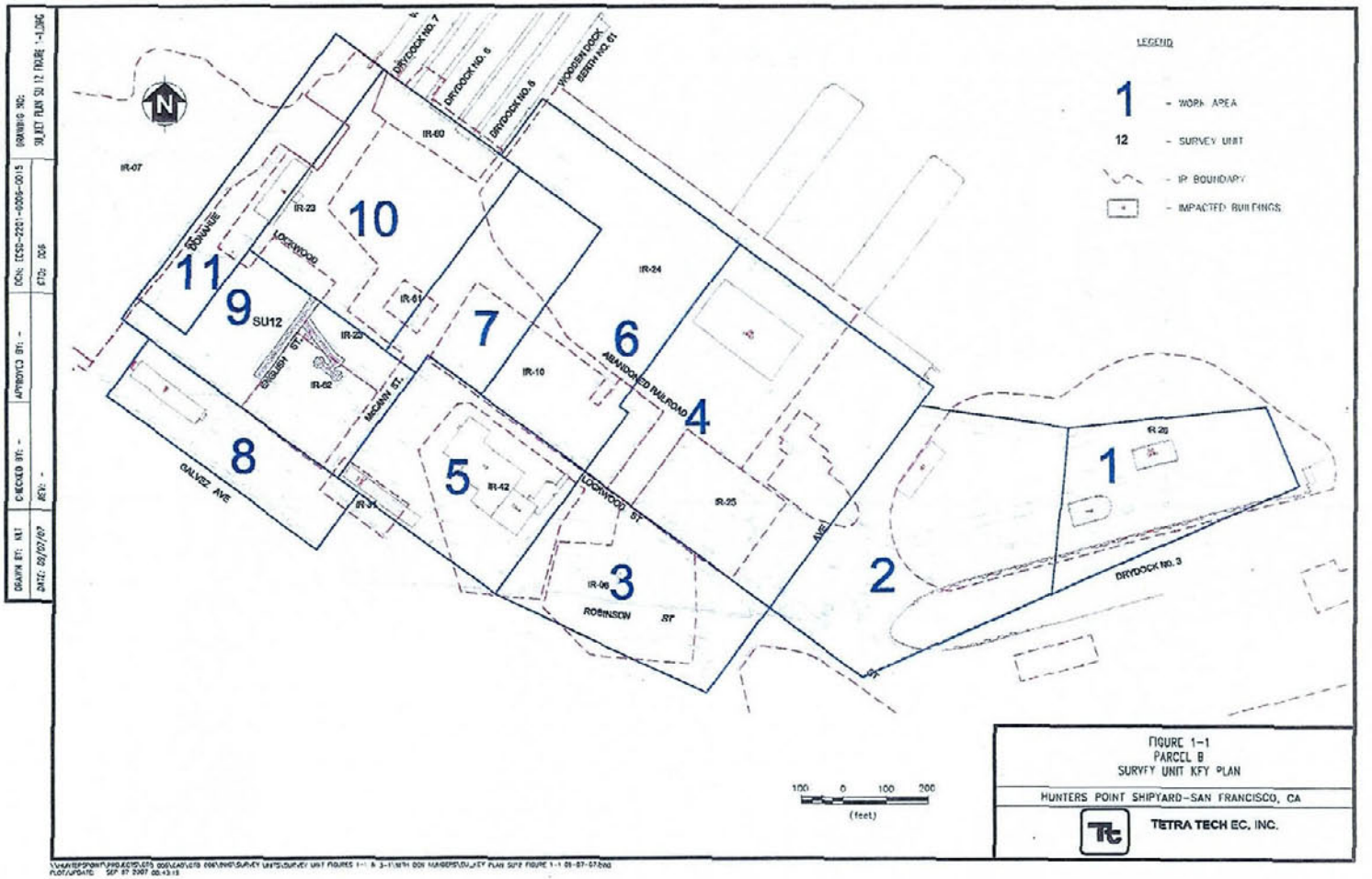
FIGURE 1-1

PARCEL B, SURVEY UNIT KEY PLAN

SENSITIVE



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2.0 RELEASE CRITERIA

Release criteria information for Survey Unit 12 is presented in Section 2.0 of the *Survey Unit Project Reports Abstract* (TtEC, 2006b). No additional radionuclides of concern (ROC) were identified.

3.0 FINAL STATUS SURVEYS

3.1 Objective of the Final Status Survey

The objective of the Final Status Survey was to demonstrate that identified residual radioactivity levels inside the excavated trench and within the overburden soils used as backfill met the release criteria.

3.2 SURVEY UNITS

Survey Unit 12 is located within Area 9 and consists of two different types of survey units; trench and overburden. Survey Unit 12 is the sum of Trench Unit 12 and excavated soil from Overburden Units 50, 53, 60, and 69, which were used for backfill. Each Trench and Overburden Unit was systematically sampled independently.

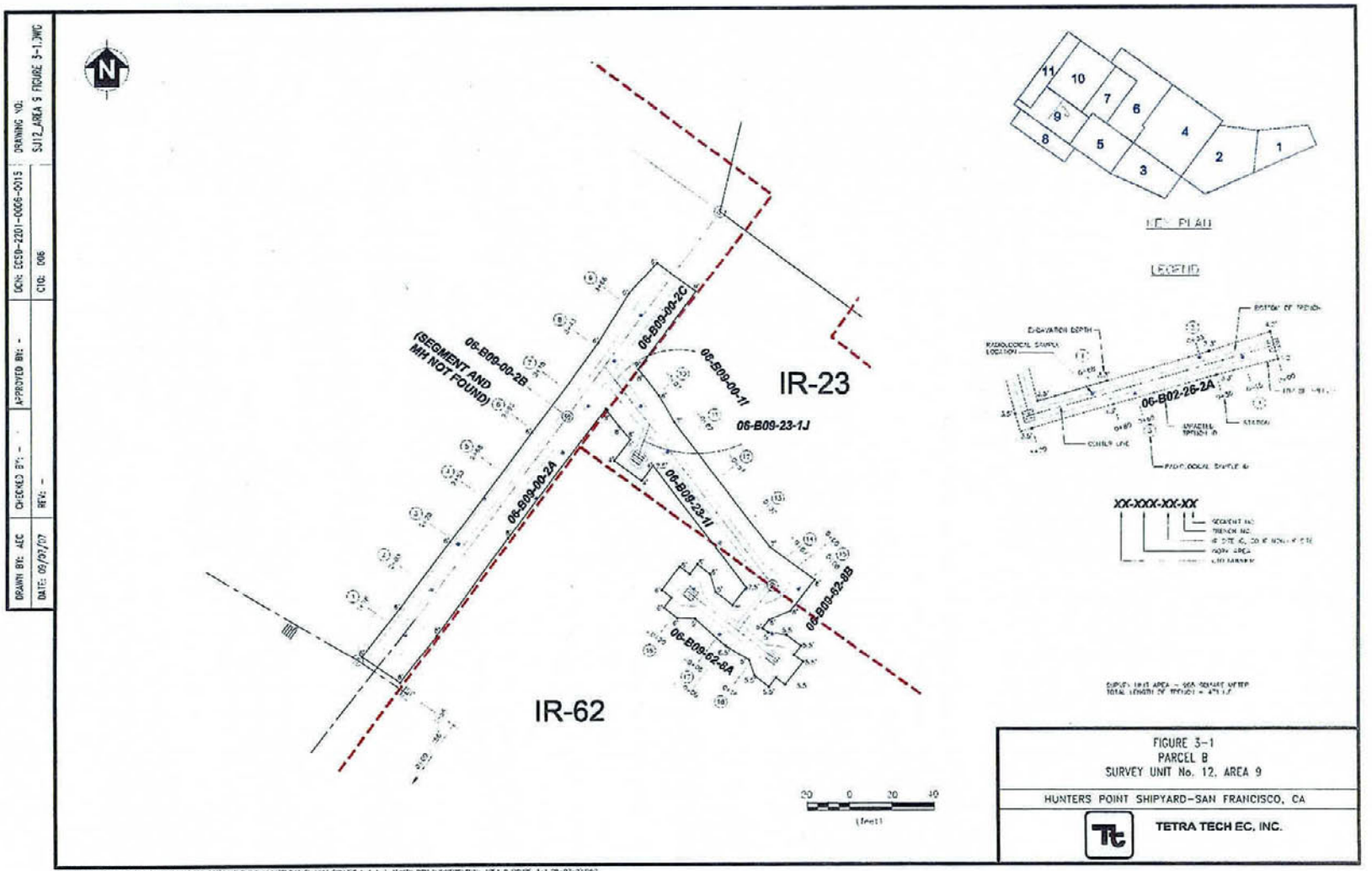
3.2.1 Trench Survey Unit

Scan surveys and systematic sampling were performed in Trench Unit 12. Figure 3-1 shows the approximate systematic sampling locations, as well as lengths of piping segments and locally assigned identification for each trench segment. Trench Unit 12 had a total surface area of 905.193 m^2. Systematic post-excavation samples were collected after establishing a grid using Visual Sampling Plan (VSP).

No measurements above the investigation levels were identified during the performance of gamma scans in Trench Unit 12. Therefore, no additional surveys or sampling were performed.

FIGURE 3-1

PARCEL B, SURVEY UNIT NO. 12, AREA 9



Eighteen systematic sample locations, based on a random start point and a triangular grid, were generated using VSP. None of the sample results identified activity above the release criteria for any ROC. A summary of the sample results is provided in Table 3-1 below. Laboratory analysis reports for Trench Unit 12 are presented in Attachment 1.

TABLE 3-1

Class 1 Soil Measurements - Trench Survey Unit 12

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	Results (pCi/g) ^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
1	9/27/2006	9:00:00	0.0265	0.026	0.035				0.297	0.737	0.819
2	9/27/2006	9:10:00	0.0150	0.042	0.045				0.175	0.908	1.025
3	9/27/2006	9:20:00	-0.0930	0.064	193.070				-0.758	1.180	-2.977
4	9/27/2006	9:30:00	-0.0585	0.044	137.210				-1.248	1.020	-7.947
5	9/27/2006	9:40:00	0.0090	0.025	0.030				0.182	0.881	0.961
6	9/27/2006	9:50:00	-0.0776	0.056	147.250				-0.929	1.040	-2.986
7	9/27/2006	10:00:00	0.0222	0.026	0.034				0.331	0.701	0.918
8	9/27/2006	10:10:00	0.0061	0.055	0.055	-0.049	0.136	0.190	-0.390	1.080	-1.777
9	9/27/2006	10:20:00	-0.0517	0.045	-3.650				-0.130	0.976	-1.311
10	9/27/2006	10:30:00	-0.0163	0.044	-0.062				-0.298	1.050	-1.762
11	9/27/2006	10:40:00	-0.0120	0.052	-0.070				-0.460	1.050	-1.828
12	9/27/2006	10:50:00	0.0053	0.019	0.023				0.523	0.667	0.753
13	9/27/2006	11:00:00	-0.0385	0.049	-0.103				-0.872	1.060	-3.417
14	9/27/2006	11:10:00	-0.0197	0.047	-0.091				-1.239	0.991	-9.096
15	9/27/2006	11:20:00	-0.0605	0.040	-0.387				-0.973	1.090	-3.706
16	9/27/2006	11:30:00	0.0107	0.020	0.024				-0.154	0.773	-1.031
17	9/27/2006	11:40:00	-0.0159	0.048	-0.067				-0.695	0.980	-2.675
18	9/27/2006	11:50:00	0.0011	0.024	0.027	0.036	0.159	0.175	0.106	0.814	0.891
		mean	**-0.0193**			**-0.007**			**-0.363**		
		std dev	**0.0359**			**0.060**			**0.563**		
		median	**-0.0140**			**-0.007**			**-0.344**		

Abbreviations and Acronyms:

MDA – minimum detectable activity
pCi/g – picocurie per gram
^{90}Sr – strontium-90
^{137}Cs – cesium-137
^{226}Ra – radium-226

3.2.2 Overburden Survey Units

Overburden Units 50, 53, 60, and 69 were used to backfill Trench Unit 12. The gamma scan towed array of Overburden Units 50, 60, and 69 identified no measurements above the investigation level. Therefore, no additional samples were collected for these Overburden Units. The scan data for Overburden Unit 53 identified several measurements that were above the investigation level. Based on review of the gamma scan data, an additional 18 biased samples were collected from Overburden Unit 53. The Overburden Unit scan data is presented in Attachment 2 to this report.

Eighteen systematic soil samples were taken at each Overburden Unit, as shown in Figure 3-2 of the *Survey Unit Project Reports Abstract* (TtEC, 2006b). Each sample was analyzed at the on-site laboratory by gamma spectroscopy. Two samples of each Overburden Unit were also analyzed for strontium-90 (^{90}Sr). Individual gamma spectroscopy reports are presented in Attachment 3. ^{90}Sr results are presented in Attachment 4.

3.2.2.1 Overburden Unit 50

Sample numbers 6 and 16 were randomly selected to be analyzed for ^{90}Sr. None of the sample results identified activity above the release criteria for any ROC. A summary of the sample results for Overburden Unit 50 is provided in Table 3-2 below.

TABLE 3-2

Class 1 Soil Measurements - Overburden Unit 50

Sample No.	Date	Time	Results (pCi/g) ^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
1	8/19/2006	10:10:00	0.0083	0.039	0.048				0.263	1.290	1.492
2	8/19/2006	10:20:00	-0.0404	0.055	-0.167				0.543	1.000	1.154
3	8/19/2006	10:30:00	-0.0381	0.039	-0.155				0.530	0.754	0.862
4	8/19/2006	10:40:00	-0.0048	0.057	-0.065				-1.048	1.250	-5.682
5	8/19/2006	10:50:00	0.0366	0.043	0.069				0.347	1.140	1.320
6	8/19/2006	11:00:00	0.0162	0.063	0.071	-0.045	0.212	0.110	-0.498	1.130	-2.261
7	8/19/2006	11:10:00	-0.0530	0.048	-0.760				-0.004	1.160	-1.339
8	8/19/2006	11:20:00	0.0077	0.040	0.052				-1.303	1.310	-7.010
9	8/19/2006	11:30:00	-0.0380	0.044	-0.228				0.309	1.020	1.182
10	8/19/2006	11:40:00	0.0008	0.036	0.056				0.391	0.899	1.044
11	8/19/2006	11:50:00	0.0316	0.048	0.052				0.238	1.220	1.400
12	8/19/2006	12:00:00	-0.0336	0.051	-0.217				1.262	0.997	1.207
13	8/19/2006	12:10:00	0.0476	0.042	0.066				1.023	0.984	1.140
14	8/19/2006	12:20:00	-0.0170	0.048	-0.070				-0.266	1.060	-1.665
15	8/19/2006	12:30:00	-0.0527	0.040	126.940				0.875	0.975	1.162
16	8/19/2006	12:40:00	-0.0521	0.031	-0.326	0.000	0.226	0.000	0.162	1.170	1.342
17	8/19/2006	12:50:00	0.0797	0.026	0.051				0.443	0.934	1.077
18	8/19/2006	13:00:00	-0.0459	0.052	-0.353				0.467	1.070	1.225
		mean	**-0.008**			**-0.023**			**0.207**		
		std dev	**0.039**			**0.032**			**0.653**		
		median	**-0.011**			**-0.023**			**0.328**		

Abbreviations and Acronyms:

MDA – minimum detectable activity
pCi/g – picocurie per gram
^{90}Sr – strontium-90
^{137}Cs – cesium-137
^{226}Ra – radium-226

3.2.2.2 Overburden Unit 53

An additional 18 biased samples were collected and analyzed by gamma spectroscopy. Two of the biased samples were also analyzed for ^{90}Sr. None of the biased sample results identified activity above the release criteria for any ROC. The additional biased sample results can be found in Attachment 3.

Sample numbers 6 and 16 of the systematic samples were randomly selected to be analyzed for ^{90}Sr. None of the sample results identified activity above the release criteria for any ROC. A summary of the sample results for Overburden Unit 53 is provided in Table 3-3 below.

TABLE 3-3

Class 1 Soil Measurements - Overburden Unit 53

Sample No.	Date	Time	Results (pCi/g) ^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
1	8/23/2006	11:00:00	-0.0088	0.045	-0.066				0.816	1.050	1.251
2	8/23/2006	11:10:00	0.0253	0.048	0.052				0.026	1.010	1.120
3	8/23/2006	11:20:00	0.0216	0.024	0.032				-0.255	1.030	-1.571
4	8/23/2006	11:30:00	-0.0333	0.047	-0.159				0.099	1.000	1.122
5	8/23/2006	11:40:00	-0.0417	0.047	-0.382				0.614	1.010	1.189
6	8/23/2006	11:50:00	0.0090	0.047	0.046	-0.077	0.151	0.132	-0.572	1.000	-2.241
7	8/23/2006	12:00:00	0.0441	0.021	0.034				1.080	0.852	1.018
8	8/23/2006	12:30:00	0.0351	0.043	0.047				0.352	0.986	1.118
9	8/23/2006	12:40:00	-0.0469	0.051	-0.244				0.672	1.180	1.362
10	8/23/2006	12:50:00	0.0139	0.040	0.042				-0.385	1.040	-2.122
11	8/23/2006	13:00:00	-0.0079	0.030	110.400				0.319	0.920	1.052
12	8/23/2006	13:10:00	0.0084	0.046	0.050				-0.021	0.845	-0.955
13	8/23/2006	13:20:00	-0.0479	0.055	-0.401				1.225	1.110	1.311
14	8/23/2006	13:30:00	-0.0283	0.048	-0.162				-0.050	0.952	-1.166
15	8/23/2006	13:40:00	0.0576	0.033	0.048				-0.008	0.927	-1.047
16	8/23/2006	13:50:00	-0.0505	0.047	-7.629	-0.190	0.148	0.205	0.696	0.899	1.059
17	8/23/2006	14:00:00	0.0861	0.038	0.053				1.019	0.905	1.068
18	8/23/2006	14:10:00	-0.0492	0.052	-0.387				0.911	1.030	1.197
		mean	**-0.001**			**-0.134**			**0.363**		
		std dev	**0.041**			**0.080**			**0.538**		
		median	**0.000**			**-0.134**			**0.336**		

Abbreviations and Acronyms:

MDA – minimum detectable activity
pCi/g – picocurie per gram
^{90}Sr – strontium-90
^{137}Cs – cesium-137
^{226}Ra – radium-226

3.2.2.3 Overburden Unit 60

Sample numbers 1 and 11 were randomly selected to be analyzed for ^{90}Sr. None of the sample results identified activity above the release criteria for any ROC. A summary of the sample results for Overburden Unit 60 is provided in Table 3-4 below.

TABLE 3-4

Class 1 Soil Measurements - Overburden Unit 60

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	8/29/2006	14:00:00	-0.0420	0.042	-0.177	-0.184	0.224	0.222	0.047	1.090	1.240
2	8/29/2006	14:10:00	-0.0420	0.041	-0.179				0.861	1.110	1.313
3	8/29/2006	14:20:00	0.0079	0.041	0.044				-0.028	1.460	-1.715
4	8/29/2006	14:30:00	0.0357	0.024	0.034				-0.006	0.811	-0.907
5	8/29/2006	14:40:00	0.0149	0.045	0.050				0.248	0.875	0.991
6	8/29/2006	14:50:00	-0.0369	0.044	-0.804				1.253	1.300	1.545
7	8/29/2006	15:00:00	0.0134	0.046	0.050				-0.561	0.975	-2.222
8	8/29/2006	15:10:00	-0.0401	0.038	-0.269				0.033	0.954	1.089
9	8/29/2006	15:20:00	-0.0019	0.023	-0.035				-0.132	0.873	-1.139
10	8/29/2006	15:30:00	-0.0104	0.044	-0.061				-0.391	1.000	-1.831
11	8/29/2006	15:40:00	0.0594	0.041	0.049	-0.096	0.232	0.163	0.300	0.834	0.920
12	8/29/2006	15:50:00	-0.0341	0.042	147.870				0.079	1.130	1.299
13	8/29/2006	16:00:00	0.0268	0.044	0.048				0.909	1.090	1.290
14	8/29/2006	16:10:00	0.0433	0.023	0.054				0.657	0.819	0.948
15	8/29/2006	16:20:00	0.0120	0.054	0.072				-0.168	1.050	-1.407
16	8/29/2006	16:30:00	0.0385	0.033	0.040				0.573	1.180	1.379
17	8/29/2006	16:40:00	-0.0536	0.049	-5.649				0.210	1.090	1.262
18	8/29/2006	16:50:00	-0.0112	0.029	93.855				0.461	0.880	0.990
		mean	**-0.001**			**-0.140**			**0.241**		
		std dev	**0.035**			**0.062**			**0.471**		
		median	**0.003**			**-0.140**			**0.145**		

Abbreviations and Acronyms:

MDA – minimum detectable activity
pCi/g – picocurie per gram
^{90}Sr – strontium-90
^{137}Cs – cesium-137
^{226}Ra – radium-226

3.2.2.4 Overburden Unit 69

Sample numbers 8 and 18 were randomly selected to be analyzed for ^{90}Sr. Since sample number 8 identified ^{90}Sr activity at 0.305 pCi/g, which was close to the residential release criteria, the remaining 16 samples were analyzed for ^{90}Sr. None of the sample results identified activity above the release criteria for any ROC. A summary of the sample results for Overburden Unit 69 is provided in Table 3-5 below.

TABLE 3-5

Class 1 Soil Measurements - Overburden Unit 69

Sample No	Date	Time	Results (pCi/g) ^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
1	9/1/2006	10:00:00	0.0057	0.550	0.058	-0.389	0.211	0.313	-0.181	1.100	-1.463
2	9/1/2006	10:10:00	0.0138	0.026	0.033	0.034	0.166	0.081	0.282	0.870	0.967
3	9/1/2006	10:20:00	-0.0424	0.033	-2.100	-0.452	0.184	0.315	0.171	0.991	1.135
4	9/1/2006	10:30:00	-0.0486	0.043	-0.250	0.249	0.244	0.269	-0.157	1.070	-1.497
5	9/1/2006	10:40:00	-0.0398	0.060	-0.234	0.042	0.206	0.101	-0.512	1.050	-2.137
6	9/1/2006	10:50:00	-0.0104	0.028	83.239	0.000	0.221	0.000	0.180	0.835	0.922
7	9/1/2006	11:00:00	0.0180	0.048	0.052	0.000	0.179	0.000	-0.486	1.010	-2.231
8	9/1/2006	11:10:00	-0.0613	0.055	-2.828	0.305	0.241	0.300	0.360	0.993	1.140
9	9/1/2006	11:20:00	0.0051	0.028	0.033	-0.143	0.232	0.199	-0.333	0.957	-1.571
10	9/1/2006	11:30:00	0.0280	0.048	0.053	-0.047	0.227	0.113	0.302	0.978	1.100
11	9/1/2006	11:40:00	-0.0008	0.044	-0.046	-0.347	0.211	0.295	0.536	0.999	1.168
12	9/1/2006	11:50:00	-0.0099	0.032	97.189	-0.255	0.177	0.231	-0.218	0.800	-1.182
13	9/1/2006	12:00:00	-0.0614	0.049	-0.296	-0.132	0.160	0.159	-0.047	1.130	-1.312
14	9/1/2006	12:10:00	0.0106	0.046	0.051	-0.359	0.219	0.305	0.428	1.230	1.410
15	9/1/2006	12:20:00	0.0055	0.051	0.054	0.251	0.204	0.247	0.700	0.943	1.096
16	9/1/2006	12:30:00	0.0375	0.029	0.040	-0.269	0.262	0.289	-0.079	0.959	-1.192
17	9/1/2006	12:40:00	-0.0540	0.057	-0.320	-0.239	0.166	0.217	0.222	1.010	1.116
18	9/1/2006	12:50:00	0.0079	0.056	0.061	-0.357	0.213	0.305	0.251	0.986	1.106
		mean	**-0.011**			**-0.117**			**0.079**		
		std dev	**0.032**			**0.235**			**0.347**		
		median	**0.002**			**-0.138**			**0.175**		

Abbreviations and Acronyms:

MDA – minimum detectable activity
pCi/g – picocurie per gram
^{90}Sr – strontium-90
^{137}Cs – cesium-137
^{226}Ra – radium-226

3.3 REFERENCE AREA

Reference Area sample information for Survey Unit 12 is presented in Section 3.3 of the *Survey Unit Project Reports Abstract* (TtEC, 2006b).

4.0 LABORATORY ANALYSIS

Information concerning on-site laboratory analysis is presented in Section 4.0 of the *Survey Unit Project Reports Abstract* (TtEC, 2006b). The average count time for the off-site laboratory was 553 minutes, while the average count time for the on-site laboratory was 45 minutes. Based on review of the individual off-site laboratory reports, the longer count times contribute to achieving a minimum detectable activity (MDA) below the reporting limit for europium-152 (^{152}Eu). In all instances, achieving an MDA for ^{152}Eu below the reporting limit was not accomplished. Additionally, the reporting limit for cobalt-60 was not achieved for two of the samples. MDAs for both the on-site and off-site laboratory were well below the release criteria for any ROCs. Off-site laboratory MDAs averaged 0.026 picocuries per gram (pCi/g) for cesium-137 (^{137}Cs) and 0.052 pCi/g for radium-226 (^{226}Ra), while the on-site laboratory MDAs averaged 0.041 pCi/g for ^{137}Cs and 1.081 pCi/g for ^{226}Ra.

The ^{137}Cs MDAs for 3 samples for both the on-site and off-site laboratory were within 20 percent of one another. However, the data could not be compared since there was no detectable activity reported by either laboratory. Since none of the count times or ^{226}Ra MDAs were within 20 percent of another, the data for ^{226}Ra could not be compared directly, although 2 of the samples reported ^{226}Ra activity to be within 20 percent of each other. Results of the on-site and off-site laboratory data were evaluated by the Laboratory Manager and all results, with the exception of the ^{226}Ra activity which was analyzed using a different method, were highly comparable, and followed closely between both laboratories. The off-site laboratory uses the bismuth-214 (^{214}Bi) peak for estimation of the ^{226}Ra activity, while the on-site laboratory uses the specific ^{226}Ra gamma energy for analysis of this radionuclide. However, when comparing the ^{214}Bi results between both laboratories the majority of the results were very close, thus the ^{226}Ra results are considered comparable.

Table 4-1 presents a summary comparison of the on-site and off-site laboratory sample results. Both laboratories reported little or no activity for ^{226}Ra. On-site laboratory sample results are reported in Attachments 1 and 3. Quality assurance sample results from the off-site laboratory are provided in Attachment 5.

TABLE 4-1

Survey Unit 12 Laboratory Results Comparison (pCi/g)

Sample ID	On-site Laboratory						Off-site Laboratory (QA)						
	^{137}Cs			^{226}Ra			Count Time (min)	^{137}Cs			^{226}Ra		
	Activity	MDA	2σ Error	Activity	MDA	2σ Error		Activity	MDA	2σ Error	Activity	MDA	2σ Error
6PBFS-012-02	0.015	0.042	0.045	0.175	0.908	1.025	834	U	0.019	N/A	0.155	0.032	0.052
6PBFS-012-12	0.005	0.019	0.023	0.523	0.667	0.753	865	U	0.017	N/A	0.169	0.032	0.050
6PBFS-012-15	-0.060	0.040	-0.387	-0.973	1.090	-3.706	152	U	0.032	N/A	0.198	0.077	0.085
6PBOPA12-005-050-01	0.008	0.039	0.048	0.263	1.290	1.492	196	U	0.035	N/A	0.274	0.068	0.081
6PBOPA12-005-050-04	-0.005	0.057	-0.065	-1.048	1.250	-5.682	256	U	0.037	N/A	0.218	0.068	0.086
6PBOPA07-005-053-01	-0.009	0.045	-0.066	0.816	1.050	1.251	865	U	0.016	N/A	0.295	0.039	0.058
6PBOPA07-005-053-14	-0.028	0.048	-0.162	-0.050	0.952	-1.166	264	U	0.032	N/A	0.440	0.062	0.091
6PBOPA16-004-060-03	0.008	0.041	0.044	-0.028	1.460	-1.715	264	U	0.027	N/A	0.259	0.054	0.063
6PBOPA16-004-060-12	-0.034	0.042	147.870	0.079	1.130	1.299	264	U	0.025	N/A	0.228	0.058	0.084
6PBOPA10-006-069-13	-0.061	0.049	-0.296	-0.047	1.130	-1.312	1060	U	0.025	N/A	0.261	0.046	0.065
6PBOPA10-006-069-16	0.038	0.029	0.040	-0.079	0.959	-1.192	1060	U	0.018	N/A	0.173	0.035	0.058

Abbreviations and Acronyms:

^{137}Cs – cesium-137
MDA – minimum detectable activity
min – minutes
N/A – 2 sigma error not reported since the activity was less than MDA
pCi/g – picocurie per gram
QA – quality assurance
^{226}Ra – radium-226
U – activity not reported since it was less than MDA

5.0 STATISTICAL TESTS

Three separate statistical tests were performed on the sample data for each overburden and trench unit. The following sections provide a summary of the results of those tests. Details on the results of the statistical tests can be found in Attachments 6, 7, 8, 9, and 10.

5.1 LINEAR REGRESSION TEST

A linear regression analysis was performed for ^{226}Ra, but other nuclides were not analyzed since their net activities were small relative to the release criteria.

The linear regression test identified that the p-value for the trench and each overburden survey unit was less than 0.05. This suggests that there is evidence to believe that the slope of the line is greater than zero, or that a statistically significant linear relationship occurs between the background and survey unit ^{226}Ra concentrations.

The measure of goodness-of-fit of linear regression, or r_2 value, was identified at 0.00 to 0.11 for the trench and each overburden survey unit. Since the r_2 values were close to zero, there is no linear relationship between Y and X (background and survey unit ^{226}Ra concentrations), and the best-fit line is a horizontal line going through the mean of all Y values.

5.2 COMPARATIVE DESCRIPTIVES TEST

The parametric statistics for the trench and each of the overburden units identify that the mean, the requested confidence interval around the mean, and requested parametric percentile range are similar to background values.

The notched box and whiskers for the trench and each of the overburden units identify the non-parametric statistics of the median, lower and upper quartiles, and confidence interval around the median, including the nearest observations within 1.5 interquartile ranges of the lower and upper quartiles. The statistical tests provided in Attachments 6, 7, 8, 9, and 10 indicate that the background data is similar to the survey unit data with very few possible outliers.

5.3 WILCOXON RANK-SUM TEST

The Wilcoxon Rank-Sum (WRS) Unity Rule test is a simple modification to the standard WRS test. The WRS Unity Rule tests for the trench and each overburden survey unit indicate that the null hypothesis is rejected and the respective survey units meet the release criteria.

6.0 DOSE MODELING

Table 6-1 shows the mean concentrations of ^{137}Cs, ^{226}Ra, and ^{90}Sr from Trench Unit 12, Overburden Units 50, 53, 60, 69, and the reference area. The activity used to model each radionuclide is based on isotopic net concentration.

TABLE 6-1

Survey Unit 12 Mean Soil Activity Concentrations

Overburden Unit	Residual Activity (pCi/g)			Volume of Material (yd^3)	Percent of Fill	Weighted Sum (pCi/g)		
	^{137}Cs	^{90}Sr	^{226}Ra			^{137}Cs	^{90}Sr	^{226}Ra
50	-0.0080	-0.023	0.207	276	25.84%	-0.0021	-0.006	0.053
53	-0.0010	-0.013	0.363	276	25.84%	-0.0003	-0.003	0.094
60	-0.0010	-0.140	0.241	240	22.47%	-0.0002	-0.031	0.054
69	-0.0110	-0.117	0.079	276	25.84%	-0.0028	-0.030	0.020
Overburden Unit Average Activity	-0.005	-0.073	0.223	Weighted Sum Activity		-0.005	-0.071	0.222
Trench Unit Average Activity	-0.019	-0.007	-0.363	Overburden Unit Net Activity		0.018	0.093	-0.263
Reference Area Average Activity	-0.023	-0.164	0.485	Trench Unit Net Activity		0.004	0.157	-0.848

Abbreviations and Acronyms:

^{137}Cs – cesium-137
pCi/g – picocurie per gram
^{226}Ra – radium-226
^{90}Sr – strontium-90
Yd^3 – cubic yard

Tables 3-1 through 3-5 present a summary of data used to determine these net concentrations identified in Table 6-1.

Using the data provided in Table 6-1 above, the weighted sum net concentrations of overburden material used as fill in Survey Unit 12 were 0.018 pCi/g for ^{137}Cs, 0.093 pCi/g for ^{90}Sr, and -0.263 pCi/g for ^{226}Ra. The trench unit average net concentrations were 0.004 pCi/g for ^{137}Cs, 0.157 pCi/g for ^{90}Sr, and -0.848 pCi/g for ^{226}Ra.

Dose modeling was performed separately for both the overburden material and the trench unit.

Since two of the nuclides of concern for the overburden material are greater than zero, the net dose for the overburden material was modeled using the net activity of 0.018 pCi/g for ^{137}Cs and 0.093 pCi/g for ^{90}Sr. However, since the total net activity of ^{226}Ra was below zero, no modeling was performed for ^{226}Ra.

Since two of the nuclides of concern for the trench unit are greater than zero, the net dose for the trench was modeled using the net activity of 0.004 pCi/g for ^{137}Cs and 0.157 pCi/g for ^{90}Sr. However, since the total net activity of ^{226}Ra was below zero, no modeling was performed for ^{226}Ra.

Modeling resulted in a net residual dose of 0.3765 mrem/y for the overburden material and 0.5838 mrem/y for the trench unit. No further dose modeling is determined to be reasonable or prudent. The RESRAD reports can be found in Attachment 11 and 12.

7.0 RECOMMENDATION OF FINAL UNRESTRICTED RELEASE

Since the net dose of the overburden material and the trench unit for Survey Unit 12 has been determined to be less than 1 mrem/y, Survey Unit 12 is recommended for free release.

8.0 REFERENCES

Tetra Tech EC, Inc. 2006a. *Final Base-Wide Storm Drain and Sanitary Sewer Removal Work Plan*.

_____. 2006b. *Survey Unit Project Reports Abstract*. December.

ATTACHMENT 1

LABORATORY ANALYSIS REPORTS FOR TRENCH UNIT 12

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 20:50:07 Page 1
New World Technology Spectrum name: 1N003813.An1

Sample description
Parcel B 6PBFS-012-01 401g
9/27/06 09:00

Acquisition information
Start time: 27-Sep-2006 20:04:52
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	#F	2.9668E-01	1.4107E-01	1.4150E-01	0.771E-01
AM-241	#A	-4.8326E-02	-2.8345E-01	-2.8346E-01	0.753E-01
Bi-212	#B	0.0000E+00	5.9659E+02	5.9659E+02	0.174E+00
BI-214	#F	4.4875E-01	1.7920E-01	1.7997E-01	0.403E+00
CO-60	#A	8.3947E-03	4.3810E-02	4.3811E-02	0.293E-01
CS-137		2.6510E-02	3.4881E-02	3.4895E-02	0.262E-01
EU-152	A	3.6792E-02	6.7679E-02	6.7693E-02	0.598E-01
EU-154	C	7.2491E-02	5.4247E-02	5.4314E-02	0.416E-01
K-40		1.2721E+01	1.6155E+00	1.6832E+00	0.658E+00
Pa-234	#	2.8172E-01	1.3893E-01	1.3932E-01	0.947E-01
Pb-210	#B	-7.1545E-02	-1.2204E+00	-1.2204E+00	0.831E+00
Pb-212		3.2518E-01	8.9537E-02	9.0348E-02	0.645E-01
Pb-214		3.6257E-01	1.2030E-01	1.2105E-01	0.626E-01
RA-226	A	2.9690E-01	8.1856E-01	8.1863E-01	0.737E+00
Th-230	B	5.3185E+00	1.1165E+01	1.1167E+01	0.793E+01
Th-234	A	2.0975E-01	4.4151E-01	4.4158E-01	0.703E+00
Tl-208		2.8265E-01	1.0492E-01	1.0544E-01	0.220E-01
U-235	B	1.2681E-02	5.4583E-02	5.4585E-02	0.448E-01

- All peaks for activity calculation had bad shape.
* - Activity omitted from total
& - Activity omitted from total and all peaks had bad shape.
< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.4744772E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 20:57:16 Page 1
New World Technology Spectrum name: 3N004459.An1

Sample description
Parcel B 6PBFS-012-02 383g
9/27/06 09:10

Acquisition information
Start time: 27-Sep-2006 20:12:11
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	4.0616E-01	2.4528E-01	2.4574E-01	0.169E+00
AM-241	#B	-1.9778E-02	-1.5695E-01	-1.5695E-01	0.674E-01
Bi-212	A	2.3876E-01	3.9687E-01	3.9697E-01	0.323E+00
BI-214	F	3.5512E-01	1.4617E-01	1.4676E-01	0.102E+00
CO-60	#B	-9.6920E-04	-9.3551E-03	-9.3552E-03	0.289E-01
Cs-137	A	1.4981E-02	4.4664E-02	4.4667E-02	0.416E-01
EU-152	F	2.3222E-01	1.7815E-01	1.7835E-01	0.770E-01
EU-154	#B	-1.3962E-02	-2.1373E-01	-2.1373E-01	0.586E-01
K-40		1.3754E+01	1.6318E+00	1.7096E+00	0.539E+00
PA-234	#F	1.3972E-01	7.8484E-02	7.8654E-02	0.754E-01
Pb-210	#B	-2.0639E-01	-1.4573E+00	-1.4573E+00	0.991E+00
PB-212		2.9982E-01	1.0327E-01	1.0386E-01	0.764E-01
PB-214	F	4.0544E-01	1.6694E-01	1.6761E-01	0.111E+00
RA-226	A	1.7482E-01	1.0254E+00	1.0254E+00	0.908E+00
Th-230	#B	-3.4158E+00	-6.0941E+00	-6.0954E+00	0.948E+01
TH-234	B	5.4750E-02	8.5017E-01	8.5017E-01	0.741E+00
Tl-208	#B	-4.9382E-03	-5.9601E-03	-5.9629E-03	0.114E+00
U-235	A	4.5721E-02	7.7210E-02	7.7229E-02	0.520E-01

- All peaks for activity calculation had bad shape.
* - Activity omitted from total
& - Activity omitted from total and all peaks had bad shape.
< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.5220402E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 21:31:29 Page 1
New World Technology Spectrum name: 2N004472.An1

Sample description
Parcel B 6PBFS-012-03 313g
9/27/06 09:20

Acquisition information
Start time: 27-Sep-2006 20:46:25
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	4.3568E-01	2.2246E-01	2.2304E-01	0.199E+00
AM-241	#A	1.7151E-01	9.5958E-01	9.5961E-01	0.734E+00
Bi-212	F	4.5881E-01	3.8848E-01	3.8885E-01	0.269E+00
BI-214	F	4.2141E-01	1.8005E-01	1.8073E-01	0.110E+00
CO-60	#B	-3.1384E-02	8.3152E+01	8.3152E+01	0.315E-01
Cs-137	#B	-9.2957E-02	1.9307E+02	1.9307E+02	0.639E-01
EU-152	F	1.4412E-01	1.1553E-01	1.1565E-01	0.118E+00
EU-154	B	1.7100E-02	8.6979E-02	8.6981E-02	0.704E-01
K-40		1.0157E+01	1.6445E+00	1.6871E+00	0.699E+00
PA-234	#	3.7790E-01	1.8886E-01	1.8938E-01	0.188E+00
Pb-210	#	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212		4.1901E-01	1.2874E-01	1.2967E-01	0.924E-01
PB-214	F	3.7746E-01	2.2047E-01	2.2091E-01	0.131E+00
RA-226	#B	-7.5821E-01	-2.9771E+00	-2.9772E+00	0.118E+01
Th-230	B	-3.1600E+01	-6.0991E+01	-6.1002E+01	0.376E+02
TH-234	B	2.7617E+00	4.0044E+00	4.0057E+00	0.307E+01
Tl-208		2.5669E-01	9.8799E-02	9.9256E-02	0.222E-01
U-235	#B	-4.7204E-02	-5.2704E-01	-5.2704E-01	0.604E-01

- All peaks for activity calculation had bad shape.
* - Activity omitted from total
& - Activity omitted from total and all peaks had bad shape.
< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2676.3 keV) 1.2904187E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 21:37:06 Page 1
New World Technology Spectrum name: 5N001576.An1

Sample description
Parcel B 6PBFS-012-04 335g
9/27/06 09:30

Acquisition information
Start time: 27-Sep-2006 20:51:53
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#B	-3.2976E-02	-2.0595E-01	-2.0596E-01	0.186E+00
AM-241	#B	-9.0726E-02	-4.2618E-01	-4.2619E-01	0.119E+00
Bi-212	F	4.5854E-01	3.6417E-01	3.6456E-01	0.186E+00
BI-214	#F	6.0515E-01	1.9137E-01	1.9267E-01	0.121E+00
CO-60	#B	-1.2905E-02	4.8356E+01	4.8356E+01	0.183E-01
CS-137	#B	-5.8526E-02	1.3721E+02	1.3721E+02	0.441E-01
EU-152	#B	-3.2263E-02	2.1390E+02	2.1390E+02	0.923E-01
EU-154	F	1.7359E-01	1.7720E-01	1.7732E-01	0.609E-01
K-40	#	7.4429E+00	1.4767E+00	1.5022E+00	0.101E+01
Pa-234	B	7.4650E-02	1.2788E-01	1.2791E-01	0.104E+00
Pb-210	#B	-1.4318E+00	-2.1852E+00	-2.1858E+00	0.112E+01
Pb-212		2.4385E-01	1.1328E-01	1.1364E-01	0.946E-01
PB-214		2.7610E-01	1.1849E-01	1.1893E-01	0.911E-01
RA-226	#B	-1.2480E+00	-7.9467E+00	-7.9468E+00	0.102E+01
Th-230	#B	-1.2412E+01	-7.0421E+01	-7.0422E+01	0.107E+02
Th-234	B	-1.0978E+00	2.4693E+03	2.4693E+03	0.107E+01
Tl-208	F	2.1707E-01	8.2164E-02	8.2556E-02	0.811E-01
U-235	#B	-8.9132E-01	-1.2434E+00	-1.2438E+00	0.114E+00

- All peaks for activity calculation had bad shape.
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& - Activity omitted from total and all peaks had bad shape.
< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2664.2 keV) 8.6384268E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 21:40:37 Page 1
New World Technology Spectrum name: 1N003814.An1

Sample description
Parcel B 6PBFS-012-05 330g
9/27/06 09:40

Acquisition information
Start time: 27-Sep-2006 20:55:23
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	5.3996E-01	2.0687E-01	2.0784E-01	0.786E-01
AM-241	#A	-6.5651E-02	-2.9569E-01	-2.9570E-01	0.749E-01
Bi-212	F	6.5753E-01	3.7841E-01	3.7920E-01	0.220E+00
BI-214	B	3.0261E-01	1.3914E-01	1.3959E-01	0.487E+00
CO-60	#A	-1.6107E-02	-5.0841E-02	-5.0844E-02	0.217E-01
CS-137	A	9.0462E-03	3.0009E-02	3.0011E-02	0.250E-01
EU-152	C	9.3116E-02	1.0718E-01	1.0724E-01	0.613E-01
EU-154	A	3.4941E-02	5.5565E-02	5.5580E-02	0.375E-01
K-40		9.6049E+00	1.6041E+00	1.6433E+00	0.800E+00
Pa-234	#A	2.7560E-02	5.1962E-02	5.1972E-02	0.963E-01
Pb-210	A	8.0039E-02	9.9488E-01	9.9488E-01	0.906E+00
Pb-212		4.6683E-01	1.1290E-01	1.1423E-01	0.725E-01
Pb-214		4.0210E-01	1.2005E-01	1.2098E-01	0.868E-01
RA-226	A	1.8184E-01	9.6147E-01	9.6149E-01	0.881E+00
Th-230	#B	3.6216E+00	4.7819E+00	4.7838E+00	0.813E+01
Th-234	B	1.8306E-01	1.2821E+00	1.2821E+00	0.896E+00
Tl-208		1.6670E-01	5.5313E-02	5.5659E-02	0.267E-01
U-235	B	6.0877E-03	6.4122E-02	6.4122E-02	0.531E-01

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A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.1838016E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 21:53:59 Page 1
New World Technology Spectrum name: 3N004460.An1

Sample description
Parcel B 6PBFS-012-06 292g
9/27/06 09:50

Acquisition information
Start time: 27-Sep-2006 21:01:25
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	#F	5.0683E-01	2.9300E-01	2.9360E-01	0.224E+00
AM-241	#A	2.1618E-02	1.5676E-01	1.5676E-01	0.113E+00
Bi-212	#B	1.9720E-01	4.4966E-01	4.4971E-01	0.294E+00
BI-214	F	2.0919E-01	1.6771E-01	1.6789E-01	0.120E+00
CO-60	#B	1.6319E-02	2.1191E-02	2.1199E-02	0.381E-01
Cs-137	#B	-7.7635E-02	1.4725E+02	1.4725E+02	0.557E-01
EU-152	#F	1.8590E-01	1.3987E-01	1.4004E-01	0.881E-01
EU-154	#B	-3.5544E-02	1.6560E+02	1.6560E+02	0.604E-01
K-40		8.0568E+00	1.4999E+00	1.5293E+00	0.707E+00
PA-234	#B	-2.0079E-02	-1.7729E-01	-1.7729E-01	0.111E+00
Pb-210	#B	-7.9964E-01	-2.9071E+00	-2.9072E+00	0.130E+01
PB-212	F	1.6185E-01	1.0068E-01	1.0085E-01	0.797E-01
PB-214	F	1.7199E-01	1.4765E-01	1.4778E-01	0.124E+00
RA-226	#B	-9.2936E-01	-2.9860E+00	-2.9862E+00	0.104E+01
Th-230	A	7.7416E+00	1.0706E+01	1.0710E+01	0.109E+02
TH-234	#B	2.7753E-01	1.0537E+00	1.0538E+00	0.833E+00
Tl-208	B	-8.2413E-02	-3.0145E-01	-3.0147E-01	0.152E+00
U-235	#B	-3.8894E-02	-2.4877E-01	-2.4877E-01	0.598E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 8.9113531E+00 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 22:33:16 Page 1
New World Technology Spectrum name: 1N003815.An1

Sample description
Parcel B 6PBFS-012-07 396g
9/27/06 10:00

Acquisition information
Start time: 27-Sep-2006 21:48:02
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	5.7562E-01	2.5869E-01	2.5957E-01	0.116E+00
AM-241	#A	-5.4709E-02	-2.7059E-01	-2.7060E-01	0.668E-01
Bi-212	#F	5.8298E-01	3.2994E-01	3.3065E-01	0.134E+00
BI-214	#B	3.2206E-01	1.1006E-01	1.1071E-01	0.408E+00
CO-60	#A	3.0681E-03	5.6882E-03	5.6894E-03	0.181E-01
CS-137	A	2.2224E-02	3.4105E-02	3.4115E-02	0.261E-01
EU-152	A	3.1532E-02	7.3092E-02	7.3101E-02	0.599E-01
EU-154	A	3.5027E-03	4.2380E-02	4.2380E-02	0.349E-01
K-40		1.3519E+01	1.6711E+00	1.7449E+00	0.667E+00
Pa-234	F	1.0905E-01	8.9247E-02	8.9338E-02	0.935E-01
Pb-210	A	4.9965E-01	1.0385E+00	1.0387E+00	0.781E+00
Pb-212		3.2562E-01	8.8738E-02	8.9558E-02	0.637E-01
Pb-214		2.9243E-01	1.2198E-01	1.2247E-01	0.695E-01
RA-226	A	3.3054E-01	9.1813E-01	9.1821E-01	0.701E+00
Th-230	A	6.2227E+00	1.2573E+01	1.2575E+01	0.784E+01
Th-234	C	7.5738E-01	5.5686E-01	5.5757E-01	0.712E+00
Tl-208	A	4.4664E-02	3.4407E-02	3.4447E-02	0.656E-01
U-235	#B	-9.7956E-03	9.2993E+01	9.2993E+01	0.352E-01

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.5296123E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 18:10:17 Page 1
New World Technology Spectrum name: 2N004470.An1

Sample description
Parcel B 6PBFS-012-08 320g
9/27/06 10:10

Acquisition information
Start time: 27-Sep-2006 17:01:20
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	#	5.0786E-01	2.1267E-01	2.1350E-01	0.211E+00
AM-241	#B	-7.8410E-01	-4.2973E+00	-4.2974E+00	0.462E+00
Bi-212	F	5.2055E-01	4.1071E-01	4.1116E-01	0.282E+00
BI-214	F	2.6564E-01	1.5504E-01	1.5535E-01	0.105E+00
CO-60	#A	3.2768E-03	1.8919E-02	1.8919E-02	0.308E-01
Cs-137	A	6.0999E-03	5.5175E-02	5.5175E-02	0.551E-01
EU-152	#B	-2.1045E-02	2.4650E+02	2.4650E+02	0.106E+00
EU-154	B	1.5612E-02	9.9894E-02	9.9896E-02	0.813E-01
K-40		1.1064E+01	1.6859E+00	1.7351E+00	0.683E+00
PA-234	B	9.8407E-02	1.4748E-01	1.4752E-01	0.165E+00
Pb-210	#C	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212	F	3.6878E-01	1.3659E-01	1.3727E-01	0.103E+00
PB-214		3.4112E-01	1.7692E-01	1.7737E-01	0.130E+00
RA-226	#B	-3.9018E-01	-1.7768E+00	-1.7768E+00	0.108E+01
Th-230	#B	-3.3693E+01	-2.1640E+02	-2.1641E+02	0.301E+02
TH-234	#B	4.0043E+00	6.1144E+00	6.1162E+00	0.401E+01
Tl-208		2.0590E-01	6.2071E-02	6.2539E-02	0.217E-01
U-235	#B	-1.4282E-02	-8.0752E-02	-8.0754E-02	0.597E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2676.3 keV) 1.3273870E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 22:39:15 Page 1
New World Technology Spectrum name: 5N001577.An1

Sample description
Parcel B 6PBFS-012-09 371g
9/27/06 10:20

Acquisition information
Start time: 27-Sep-2006 21:54:01
Live time: 2700
Real time: 2706

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	4.0451E-01	2.6926E-01	2.6968E-01	0.190E+00
AM-241	#B	-8.9129E-02	-3.2139E-01	-3.2141E-01	0.854E-01
Bi-212	F	3.6943E-01	4.3874E-01	4.3895E-01	0.330E+00
BI-214	F	3.7048E-01	1.4884E-01	1.4947E-01	0.100E+00
CO-60	#F	7.4665E-02	3.8603E-02	3.8702E-02	0.165E-01
CS-137	#B	-5.1664E-02	-3.6501E+00	-3.6501E+00	0.450E-01
EU-152	F	3.6001E-01	1.7980E-01	1.8030E-01	0.850E-01
EU-154	F	2.8368E-01	1.1498E-01	1.1546E-01	0.620E-01
K-40		1.0480E+01	1.5582E+00	1.6057E+00	0.914E+00
Pa-234	B	-2.1143E-02	1.9475E+02	1.9475E+02	0.840E-01
Pb-210	#B	-7.4688E-01	-2.1507E+00	-2.1509E+00	0.111E+01
Pb-212	F	4.2447E-01	1.1698E-01	1.1803E-01	0.882E-01
PB-214		4.4517E-01	1.7752E-01	1.7829E-01	0.970E-01
RA-226	#B	-1.3005E-01	-1.3107E+00	-1.3107E+00	0.976E+00
Th-230	#B	-1.2083E+01	-7.4307E+01	-7.4309E+01	0.108E+02
Th-234	F	2.0868E+00	7.3179E-01	7.3585E-01	0.971E+00
Tl-208	F	2.6390E-01	6.4121E-02	6.4861E-02	0.733E-01
U-235	#B	-8.5210E-01	-3.2413E+00	-3.2414E+00	0.110E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2664.2 keV) 1.4550378E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 22:38:51 Page 1
New World Technology Spectrum name: 2N004473.An1

Sample description
Parcel B 6PBFS-012-10 391g
9/27/06 10:30

Acquisition information
Start time: 27-Sep-2006 21:53:46
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		5.7016E-01	2.0222E-01	2.0332E-01	0.176E+00
AM-241	#B	-5.1337E-01	-7.3198E+00	-7.3199E+00	0.413E+00
Bi-212	#F	1.0058E+00	4.7390E-01	4.7536E-01	0.223E+00
BI-214	F	4.7006E-01	1.6462E-01	1.6554E-01	0.951E-01
CO-60	#A	1.6820E-02	3.1174E-02	3.1180E-02	0.252E-01
Cs-137	#B	-1.6328E-02	-6.1965E-02	-6.1968E-02	0.438E-01
EU-152	F	1.6806E-01	8.1520E-02	8.1756E-02	0.926E-01
EU-154	F	8.0617E-02	8.0527E-02	8.0582E-02	0.607E-01
K-40		1.3998E+01	1.6785E+00	1.7568E+00	0.559E+00
PA-234	B	1.4887E-01	1.9865E-01	1.9873E-01	0.163E+00
Pb-210	#F	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212	F	5.2054E-01	1.2445E-01	1.2593E-01	0.843E-01
PB-214	F	3.7079E-01	1.5661E-01	1.5722E-01	0.104E+00
RA-226	#B	-2.9849E-01	-1.7618E+00	-1.7619E+00	0.105E+01
Th-230	B	-1.6801E+01	-6.9168E+01	-6.9171E+01	0.358E+02
TH-234	F	3.6277E+00	4.6727E+00	4.6746E+00	0.314E+01
Tl-208		4.5663E-01	1.1790E-01	1.1911E-01	0.177E-01
U-235	C	6.6445E-02	1.0206E-01	1.0209E-01	0.602E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2676.3 keV) 2.1100538E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 22:44:11 Page 1
New World Technology Spectrum name: 3N004461.An1

Sample description
Parcel B 6PBFS-012-11 298g
9/27/06 10:40

Acquisition information
Start time: 27-Sep-2006 21:59:06
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	#F	4.0835E-01	2.7140E-01	2.7182E-01	0.224E+00
AM-241	#A	3.8553E-02	1.2895E-01	1.2896E-01	0.102E+00
Bi-212	#F	5.0479E-01	4.5448E-01	4.5487E-01	0.260E+00
BI-214	F	2.6353E-01	1.9921E-01	1.9945E-01	0.123E+00
CO-60	#B	-2.3994E-02	-1.7198E-01	-1.7198E-01	0.357E-01
Cs-137	#B	-1.2024E-02	-7.0104E-02	-7.0105E-02	0.522E-01
EU-152	B	6.0923E-02	1.5193E-01	1.5194E-01	0.820E-01
EU-154	#B	-3.4829E-02	1.4852E+02	1.4852E+02	0.562E-01
K-40		8.0090E+00	1.4786E+00	1.5081E+00	0.693E+00
PA-234	#B	-4.8418E-02	-4.1913E-01	-4.1913E-01	0.138E+00
Pb-210	#B	-2.6526E-01	-1.7498E+00	-1.7498E+00	0.121E+01
PB-212		3.3807E-01	1.2061E-01	1.2126E-01	0.870E-01
PB-214	F	2.9451E-01	1.8751E-01	1.8783E-01	0.123E+00
RA-226	#B	-4.6045E-01	-1.8280E+00	-1.8281E+00	0.105E+01
Th-230	#B	-1.2186E+01	-9.6675E+01	-9.6676E+01	0.663E+01
TH-234	A	5.0634E-01	1.0229E+00	1.0231E+00	0.899E+00
Tl-208	#B	-1.0162E-01	-1.4314E-01	-1.4319E-01	0.141E+00
U-235	#B	-2.7049E-02	-1.7092E-01	-1.7093E-01	0.631E-01

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 9.1463346E+00 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 23:22:24 Page 1
New World Technology Spectrum name: 1N003816.An1

Sample description
Parcel B 6PBFS-012-12 426g
9/27/06 10:50

Acquisition information
Start time: 27-Sep-2006 22:37:11
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		4.0657E-01	1.5543E-01	1.5616E-01	0.726E-01
AM-241	#A	-9.0980E-02	-1.1914E+00	-1.1914E+00	0.452E-01
Bi-212	F	5.7783E-01	2.9547E-01	2.9625E-01	0.161E+00
BI-214	F	6.8567E-01	3.3026E-01	3.3124E-01	0.573E+00
CO-60	#C	2.1716E-02	1.5294E-02	1.5316E-02	0.176E-01
CS-137	A	5.3147E-03	2.2654E-02	2.2655E-02	0.192E-01
EU-152	C	5.6566E-02	8.4253E-02	8.4279E-02	0.558E-01
EU-154	A	2.9960E-02	3.8685E-02	3.8700E-02	0.404E-01
K-40		1.0534E+01	1.4381E+00	1.4904E+00	0.620E+00
Pa-234	#B	2.1244E-02	4.2987E-02	4.2995E-02	0.607E-01
Pb-210	A	3.4247E-01	8.2204E-01	8.2214E-01	0.728E+00
Pb-212		2.5606E-01	8.1786E-02	8.2337E-02	0.611E-01
Pb-214		3.3803E-01	1.0397E-01	1.0473E-01	0.680E-01
RA-226	A	5.2299E-01	7.5298E-01	7.5323E-01	0.667E+00
Th-230	#B	-1.7672E+00	-1.3744E+01	-1.3744E+01	0.613E+01
Th-234	A	4.2400E-01	4.3143E-01	4.3172E-01	0.687E+00
Tl-208		2.7866E-01	1.0344E-01	1.0395E-01	0.207E-01
U-235	A	3.9902E-02	5.6252E-02	5.6271E-02	0.430E-01

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C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.3076384E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 23:28:56 Page 1
New World Technology Spectrum name: 2N004474.An1

Sample description
Parcel B 6PBFS-012-13 340g
9/27/06 11:00

Acquisition information
Start time: 27-Sep-2006 22:42:51
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	4.3427E-01	2.0483E-01	2.0546E-01	0.183E+00
AM-241	#A	5.5262E-01	1.1748E+00	1.1750E+00	0.787E+00
Bi-212	F	2.7674E-01	2.9349E-01	2.9367E-01	0.212E+00
BI-214	F	2.9178E-01	1.4188E-01	1.4229E-01	0.919E-01
CO-60	#B	-2.6751E-02	-1.2089E-01	-1.2089E-01	0.305E-01
Cs-137	#B	-3.8534E-02	-1.0268E-01	-1.0269E-01	0.486E-01
EU-152	B	6.8462E-02	6.8462E-02	6.8509E-02	0.108E+00
EU-154	B	3.6846E-02	7.2716E-02	7.2729E-02	0.567E-01
K-40	#	7.2786E+00	1.3608E+00	1.3872E+00	0.643E+00
PA-234	#B	1.2174E-01	2.3520E-01	2.3525E-01	0.157E+00
Pb-210	#F	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212	F	1.8943E-01	1.2073E-01	1.2093E-01	0.896E-01
PB-214		1.8299E-01	1.4737E-01	1.4753E-01	0.104E+00
RA-226	#B	-8.7206E-01	-3.4171E+00	-3.4172E+00	0.106E+01
Th-230	#B	-1.9699E+01	-9.8260E+01	-9.8263E+01	0.315E+02
TH-234		2.9098E+00	3.8525E+00	3.8541E+00	0.269E+01
Tl-208	#F	4.9715E-02	3.6226E-02	3.6273E-02	0.316E-01
U-235	#B	-3.6362E-02	-1.8676E-01	-1.8677E-01	0.540E-01

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C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2676.3 keV) 1.1129359E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 27-SEP-2006 23:34:18 Page 1
New World Technology Spectrum name: 3N004462.An1

Sample description
Parcel B 6PBFS-012-14 367g
9/27/06 11:10

Acquisition information
Start time: 27-Sep-2006 22:49:11
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	1.0277E-01	8.3147E-02	8.3234E-02	0.202E+00
AM-241	#B	-2.9567E-02	-3.7293E-01	-3.7293E-01	0.984E-01
Bi-212	B	3.2490E-02	3.8836E-01	3.8836E-01	0.321E+00
BI-214	F	3.9210E-01	1.7113E-01	1.7174E-01	0.120E+00
CO-60	#B	-1.9019E-02	-1.0698E-01	-1.0699E-01	0.267E-01
Cs-137	#B	-1.9737E-02	-9.0640E-02	-9.0643E-02	0.470E-01
EU-152	F	9.5287E-02	1.0182E-01	1.0188E-01	0.836E-01
EU-154	B	4.9702E-02	5.3587E-02	5.3618E-02	0.592E-01
K-40	#B	-1.2542E+00	9.9520E+03	9.9520E+03	0.187E+01
PA-234	B	1.2659E-02	1.4886E-01	1.4886E-01	0.127E+00
Pb-210	#B	-1.9219E-01	-1.1912E+00	-1.1912E+00	0.919E+00
PB-212	F	3.7834E-01	1.1411E-01	1.1497E-01	0.737E-01
PB-214	F	2.4802E-01	1.5983E-01	1.6009E-01	0.105E+00
RA-226	#B	-1.2393E+00	-9.0956E+00	-9.0958E+00	0.991E+00
Th-230	#B	-6.4951E+00	-1.1775E+01	-1.1777E+01	0.664E+01
TH-234	B	-1.3508E-01	-7.1981E-01	-7.1983E-01	0.704E+00
Tl-208	B	2.1859E-02	1.9307E-02	1.9324E-02	0.128E+00
U-235	#B	1.6173E-02	2.2282E-02	2.2290E-02	0.562E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 7.7044308E-01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 23:38:52 Page 1
New World Technology Spectrum name: 5N001578.An1

Sample description
Parcel B 6PBFS-012-15 296g
9/27/06 11:20

Acquisition information
Start time: 27-Sep-2006 22:53:40
Live time: 2700
Real time: 2706

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#B	9.8408E-02	2.1453E-01	2.1456E-01	0.206E+00
AM-241	#B	6.7511E-02	2.4970E-01	2.4971E-01	0.151E+00
Bi-212	F	5.8635E-01	3.3772E-01	3.3842E-01	0.183E+00
BI-214	F	5.9022E-01	2.1201E-01	2.1314E-01	0.127E+00
CO-60	#B	-3.7866E-03	-2.6011E-02	-2.6011E-02	0.207E-01
CS-137	#B	-6.0489E-02	-3.8715E-01	-3.8716E-01	0.397E-01
EU-152	F	2.5977E-01	1.6762E-01	1.6790E-01	0.782E-01
EU-154	#B	4.5302E-02	8.7303E-02	8.7319E-02	0.507E-01
K-40	#	3.6570E+00	1.3268E+00	1.3337E+00	0.115E+01
Pa-234	F	1.5568E-01	8.6356E-02	8.6547E-02	0.106E+00
Pb-210	#B	-7.7073E-01	-2.1442E+00	-2.1444E+00	0.126E+01
Pb-212	B	8.2900E-02	7.1854E-02	7.1919E-02	0.100E+00
PB-214	F	1.6476E-01	1.2547E-01	1.2562E-01	0.827E-01
RA-226	#B	-9.7339E-01	-3.7056E+00	-3.7057E+00	0.109E+01
Th-230	#B	-1.6063E+01	-1.0300E+02	-1.0300E+02	0.125E+02
Th-234	F	1.5552E+00	7.3746E-01	7.3970E-01	0.848E+00
Tl-208	#F	2.2382E-01	7.5233E-02	7.5688E-02	0.104E+00
U-235	#B	-1.0869E+00	-5.3856E+00	-5.3858E+00	0.130E+00

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---------- S U M M A R Y ----------

Total Activity (41.8 to 2664.2 keV) 4.4080734E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 28-SEP-2006 00:12:12 Page 1
New World Technology Spectrum name: 1N003817.An1

Sample description
Parcel B 6PBFS-012-16 394g
9/27/06 11:30

Acquisition information
Start time: 27-Sep-2006 23:26:57
Live time: 2700
Real time: 2706

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	2.6219E-01	1.6422E-01	1.6451E-01	0.988E-01
AM-241	#A	-3.7579E-02	-2.8261E-01	-2.8261E-01	0.891E-01
Bi-212	#F	4.8065E-01	3.4317E-01	3.4363E-01	0.177E+00
BI-214	F	5.4855E-01	1.5707E-01	1.5839E-01	0.421E+00
CO-60	#A	1.3490E-03	1.5577E-02	1.5577E-02	0.172E-01
CS-137	A	1.0691E-02	2.4148E-02	2.4151E-02	0.195E-01
EU-152	A	4.4409E-03	2.8058E-02	2.8059E-02	0.540E-01
EU-154	A	1.5720E-02	4.9534E-02	4.9538E-02	0.399E-01
K-40		1.2260E+01	1.6054E+00	1.6688E+00	0.670E+00
Pa-234	#B	2.9709E-02	2.6573E-02	2.6596E-02	0.601E-01
Pb-210		1.0546E+00	1.2260E+00	1.2266E+00	0.836E+00
Pb-212	F	2.7969E-01	8.6673E-02	8.7294E-02	0.643E-01
Pb-214	C	2.1381E-01	1.1846E-01	1.1872E-01	0.102E+00
RA-226	#B	-1.5380E-01	-1.0305E+00	-1.0305E+00	0.773E+00
Th-230	#B	-4.4501E+00	-5.2500E+01	-5.2500E+01	0.628E+01
Th-234	A	3.0532E-01	7.2848E-01	7.2857E-01	0.732E+00
Tl-208	#	2.5891E-01	1.0148E-01	1.0194E-01	0.223E-01
U-235	A	1.4436E-02	3.9173E-02	3.9177E-02	0.383E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.4881911E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 28-SEP-2006 00:17:09 Page 1
New World Technology Spectrum name: 2N004475.An1

Sample description
Parcel B 6PBFS-012-17 370g
9/27/06 11:40

Acquisition information
Start time: 27-Sep-2006 23:32:05
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	1.2242E-02	8.7346E-03	8.7464E-03	0.233E+00
AM-241	#B	-1.5771E-02	-6.9453E-01	-6.9453E-01	0.552E+00
Bi-212	F	3.8706E-01	3.9000E-01	3.9026E-01	0.286E+00
BI-214	#F	3.0285E-01	1.3598E-01	1.3644E-01	0.898E-01
CO-60	#B	-1.6716E-02	-6.1186E-02	-6.1189E-02	0.266E-01
Cs-137	#B	-1.5895E-02	-6.6518E-02	-6.6521E-02	0.475E-01
EU-152	F	1.2355E-01	1.1922E-01	1.1931E-01	0.943E-01
EU-154	A	2.3586E-02	5.4249E-02	5.4256E-02	0.698E-01
K-40		1.2059E+01	1.6163E+00	1.6769E+00	0.591E+00
PA-234	#B	4.5019E-02	1.3843E-01	1.3844E-01	0.109E+00
Pb-210	#F	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212	F	2.9376E-01	1.1452E-01	1.1504E-01	0.869E-01
PB-214	F	2.6393E-01	2.2193E-01	2.2214E-01	0.114E+00
RA-226	#B	-6.9514E-01	-2.6744E+00	-2.6745E+00	0.980E+00
Th-230	B	-8.7002E+00	-1.2951E+01	-1.2955E+01	0.295E+02
TH-234		2.9494E+00	2.5510E+00	2.5534E+00	0.246E+01
Tl-208	#F	1.7693E-01	7.5444E-02	7.5729E-02	0.187E-01
U-235	F	7.5787E-02	6.5871E-02	6.5931E-02	0.587E-01

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---------- S U M M A R Y ----------

Total Activity (41.9 to 2676.3 keV) 1.6432701E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 27-SEP-2006 17:38:30 Page 1
New World Technology Spectrum name: 1N003810.An1

Sample description
Parcel B 6PBFS-012-18 369g
9/27/06 11:50

Acquisition information
Start time: 27-Sep-2006 16:53:17
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		5.0887E-01	1.7516E-01	1.7618E-01	0.829E-01
AM-241	#A	-4.0420E-02	-2.6377E-01	-2.6378E-01	0.869E-01
Bi-212	F	5.6294E-01	3.3496E-01	3.3562E-01	0.197E+00
BI-214	B	-4.1904E-01	1.2759E+03	1.2759E+03	0.449E+00
CO-60	#A	-1.0563E-02	-7.8030E-02	-7.8031E-02	0.229E-01
CS-137	A	1.1169E-03	2.7340E-02	2.7340E-02	0.240E-01
EU-152	A	3.1871E-03	5.9860E-02	5.9860E-02	0.514E-01
EU-154	A	4.6156E-02	5.5418E-02	5.5444E-02	0.479E-01
K-40		1.0693E+01	1.5714E+00	1.6209E+00	0.715E+00
Pa-234	#B	1.7378E-02	3.7755E-02	3.7761E-02	0.463E-01
Pb-210		1.1904E+00	1.2189E+00	1.2197E+00	0.865E+00
Pb-212		2.8258E-01	9.3475E-02	9.4062E-02	0.704E-01
Pb-214		4.9096E-01	1.3844E-01	1.3963E-01	0.656E-01
RA-226	A	1.0614E-01	8.9143E-01	8.9144E-01	0.814E+00
Th-230	B	2.6818E+00	3.1095E+00	3.1111E+00	0.495E+01
Th-234	#B	1.2944E-01	3.2285E-01	3.2289E-01	0.721E+00
Tl-208	#A	6.4651E-02	5.0636E-02	5.0693E-02	0.716E-01
U-235	A	8.0386E-03	7.7475E-02	7.7475E-02	0.475E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.3728921E+01 picoCi/ g

Laboratory: New World Technology

STRONTIUM-90 ANALYSIS REPORT

Count Date:	9/29/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB092906-052	Detector ID:	0615608	^{90}Y Eff.:	31.1%
Performed By:	P Smith	Cal Due Date:	9/27/2006	^{90}Sr Eff.:	26.9%
				^{90}Sr Added:	10 mg

Sample ID	Collected m/dd/yy hh:mm	^{90}Y in-growth m/dd/yy hh:mm	Counted m/dd/yy hh:mm	Aliquot Mass grams	Initial Mass grams	Final Mass grams	^{90}Sr Yield percent	Total CPM	Total Counts	^{90}Sr Activity pCi/g	MDC pCi/g	2 σ Uncert. pCi/g
6PBFS-012-18	9/27/06 11:50	9/28/06 3:15	9/29/06 12:22	10	6.8015	6.8115	95.0%	0.733	22	0.036	0.159	0.175
6PBFS-012-08	9/27/06 10:10	9/28/06 3:14	9/29/06 12:52	10	6.8145	6.8260	110.0%	0.300	9	-0.049	0.136	0.190
Method Spike 3.49	9/27/06 0:00	9/28/06 3:14	9/29/06 17:56	10	6.7865	6.7978	108.0%	22.567	677	4.012	0.135	1.711
Blank	9/27/06 0:00	9/28/06 3:15	9/29/06 18:27	10	6.8104	6.8109		0.567	17			

ATTACHMENT 2

OVERBURDEN UNIT SCAN DATA

OVERBURDEN UNIT 50

GAMMA SCAN DATA

DATE	TIME	COUNT TIME (Seconds)	OUTPUTTIME	CHANNEL1	CHANNEL2	CHANNEL3	CHANNEL4	CHANNEL5	CHANNEL6	CHANNEL7	CHANNEL8	CHANNEL9	CHANNEL10	CHANNEL11	CHANNEL12	Pad #	LATITUDE	LONGITUDE
8/16/2006	14:33:07	6	50	5700	5760	5480	5830	4850	4880	5080	5470	5200	4810	5260	5530	A-12-005	37°43'50.3359"N	122°22'09.6047"W
8/16/2006	14:33:13	6	50	5060	5510	4950	4800	4670	5330	5390	5310	5050	5700	5730	4960	A-12-005	37°43'50.3580"N	122°22'09.5714"W
8/16/2006	14:33:19	6	50	5930	6670	6960	6400	5780	6170	5590	5770	5470	5530	5470	5160	A-12-005	37°43'50.3369"N	122°22'09.6091"W
8/16/2006	14:33:25	6	50	6300	6730	6870	6260	5850	6140	5620	5450	5920	5440	5270	5160	A-12-005	37°43'50.3730"N	122°22'09.5828"W
8/16/2006	14:33:31	6	50	6800	6590	7020	6910	6370	6290	6620	6650	6910	6440	6510	6170	A-12-005	37°43'50.4206"N	122°22'09.5389"W
8/16/2006	14:33:37	6	50	6370	6640	6660	6920	6120	6960	6690	6360	6380	7070	6240	6610	A-12-005	37°43'50.4493"N	122°22'09.5162"W
8/16/2006	14:33:43	6	50	6140	6780	6400	6490	6070	6400	6510	6600	7130	7030	6100	6070	A-12-005	37°43'50.4921"N	122°22'09.4736"W
8/16/2006	14:33:49	6	50	6820	6720	6400	6390	5920	6100	6450	6040	6590	6470	6200	6040	A-12-005	37°43'50.5267"N	122°22'09.4466"W
8/16/2006	14:33:55	6	50	6510	6200	5960	6630	6230	6280	6710	5900	6240	6510	6340	6490	A-12-005	37°43'50.5600"N	122°22'09.4197"W
8/16/2006	14:34:01	6	50	5740	6360	5580	6360	5610	6060	5790	6730	6280	6760	6360	5700	A-12-005	37°43'50.5824"N	122°22'09.4008"W
8/16/2006	14:34:07	6	50	4850	4910	5010	5220	4580	4740	4860	4790	4980	6340	6020	5780	A-12-005	37°43'50.6118"N	122°22'09.3695"W
8/16/2006	14:34:13	6	50	5420	5310	5550	4890	4820	4850	5080	5180	5420	5160	4980	5410	A-12-005	37°43'50.6493"N	122°22'09.3348"W
8/16/2006	14:34:19	6	50	5490	5390	5460	5290	5060	5070	5310	5310	5330	5290	5350	5600	A-12-005	37°43'50.6944"N	122°22'09.2967"W
8/16/2006	14:34:25	6	50	5450	5860	6130	5280	4910	5670	4760	5370	5400	5070	4940	5430	A-12-005	37°43'50.7207"N	122°22'09.2674"W
8/16/2006	14:34:31	6	50	5180	5830	4920	5190	4650	5060	5460	5320	5530	5120	5110	5490	A-12-005	37°43'50.7548"N	122°22'09.2268"W
8/16/2006	14:34:37	6	50	4640	5290	4820	5360	4680	4840	5340	5160	5260	5360	4990	5510	A-12-005	37°43'50.7934"N	122°22'09.1860"W
8/16/2006	14:34:43	6	50	5750	5650	5650	4800	4850	4610	4920	4770	4860	5230	5170	5650	A-12-005	37°43'50.8276"N	122°22'09.1575"W
8/16/2006	14:34:49	6	50	6420	5870	5720	6490	5560	6130	5550	5890	6130	5130	4830	5190	A-12-005	37°43'50.8665"N	122°22'09.1198"W
8/16/2006	14:34:55	6	50	5900	6450	6580	6370	5720	6190	5860	6190	5660	6410	6300	6080	A-12-005	37°43'50.9048"N	122°22'09.0902"W
8/16/2006	14:35:01	6	50	5880	6580	6020	6910	6140	6490	5820	6210	6090	6370	5850	5880	A-12-005	37°43'50.9507"N	122°22'09.0574"W
8/16/2006	14:35:07	6	50	6310	6170	5480	5760	6130	5740	6090	6140	6220	6130	5640	5540	A-12-005	37°43'50.9938"N	122°22'09.0173"W
8/16/2006	14:35:13	6	50	6190	6380	5960	5830	6690	5860	6140	6290	5840	6210	6160	6040	A-12-005	37°43'51.0381"N	122°22'08.9746"W
8/16/2006	14:35:19	6	50	6150	6210	6270	6430	5840	5710	5700	6260	6080	6360	5860	5940	A-12-005	37°43'51.0872"N	122°22'08.9563"W
8/16/2006	14:35:25	6	50	5710	6430	6440	5760	6730	6100	6260	5750	6230	6000	5730	6110	A-12-005	37°43'51.1354"N	122°22'08.9252"W
8/16/2006	14:35:31	6	50	6310	6400	6100	6110	6130	6010	6020	5940	6080	6230	5930	6190	A-12-005	37°43'51.1593"N	122°22'08.9054"W
8/16/2006	14:35:37	6	50	5430	5810	5600	5910	5170	5030	5650	5980	5660	6370	5730	5730	A-12-005	37°43'51.1814"N	122°22'08.8901"W
8/16/2006	14:35:43	6	50	5660	6100	5920	5200	5050	5280	4940	5260	5470	5720	5600	5320	A-12-005	37°43'51.1833"N	122°22'08.9665"W
8/16/2006	14:35:49	6	50	5300	5500	6240	5500	4950	5420	5420	5750	5820	5630	5350	5670	A-12-005	37°43'51.1457"N	122°22'08.9885"W
8/16/2006	14:35:55	6	50	5460	6230	6210	5550	5400	5820	5630	5780	6080	6240	5800	5730	A-12-005	37°43'51.1099"N	122°22'09.0192"W
8/16/2006	14:36:01	6	50	5610	5620	6540	5970	6000	5670	6050	5940	6390	5520	5770	6110	A-12-005	37°43'51.0739"N	122°22'09.0517"W
8/16/2006	14:36:07	6	50	5930	6050	6390	6090	4840	5820	5020	5670	5880	5950	6110	5730	A-12-005	37°43'51.0309"N	122°22'09.0857"W
8/16/2006	14:36:13	6	50	6110	6350	6060	6230	5640	5660	5930	5790	6020	6420	6510	6330	A-12-005	37°43'50.9977"N	122°22'09.1075"W
8/16/2006	14:36:19	6	50	5760	5930	6480	5720	5970	6040	5880	6050	6100	6410	6440	6230	A-12-005	37°43'50.9561"N	122°22'09.1388"W
8/16/2006	14:36:25	6	50	6030	6490	6070	6030	6250	6310	5870	5560	5980	5300	5330	6360	A-12-005	37°43'50.9126"N	122°22'09.1817"W
8/16/2006	14:36:31	6	50	5830	5860	6140	5230	5300	6180	5410	5750	6280	5630	5830	5760	A-12-005	37°43'50.8690"N	122°22'09.2339"W
8/16/2006	14:36:37	6	50	6500	6770	6530	6280	5400	6020	6150	5700	6310	5480	5790	6000	A-12-005	37°43'50.8386"N	122°22'09.2637"W
8/16/2006	14:36:43	6	50	6770	6900	6850	6690	6530	6190	6410	6430	6250	6300	6360	6280	A-12-005	37°43'50.7958"N	122°22'09.3109"W
8/16/2006	14:36:49	6	50	6560	6610	6520	6430	6370	6840	6550	6180	6450	7000	6620	6430	A-12-005	37°43'50.7483"N	122°22'09.3561"W
8/16/2006	14:36:55	6	50	6530	6000	5880	6520	6480	6190	6350	6630	6600	6550	6060	6290	A-12-005	37°43'50.7007"N	122°22'09.4062"W
8/16/2006	14:37:01	6	50	5870	5240	4980	5170	5110	5120	6140	5880	5410	6180	6250	5750	A-12-005	37°43'50.6559"N	122°22'09.4425"W
8/16/2006	14:37:07	6	50	4970	4770	5250	5160	4760	4880	5160	5060	4690	6010	5110	5240	A-12-005	37°43'50.6020"N	122°22'09.4905"W
8/16/2006	14:37:13	6	50	5420	5250	5210	5280	4920	5040	5220	5440	5100	5880	5080	5020	A-12-005	37°43'50.5526"N	122°22'09.5286"W
8/16/2006	14:37:19	6	50	5560	5610	5400	5360	5280	5000	5540	5000	5860	5690	5220	5490	A-12-005	37°43'50.5082"N	122°22'09.5622"W
8/16/2006	14:37:25	6	50	5730	5090	5590	5540	5090	4890	5620	5360	4730	5080	5440	5430	A-12-005	37°43'50.4646"N	122°22'09.6013"W
8/16/2006	14:37:31	6	50	6410	5750	5590	5950	5550	5530	5890	5650	5880	6490	6160	5760	A-12-005	37°43'50.4181"N	122°22'09.6330"W
8/16/2006	14:37:37	6	50	5370	5640	5680	5410	4810	4650	5370	5220	5160	5900	5700	5550	A-12-005	37°43'50.3908"N	122°22'09.6558"W
8/16/2006	14:37:43	6	50	6150	6130	5720	5940	4920	6090	5740	5750	5040	5970	5580	5500	A-12-005	37°43'50.3563"N	122°22'09.6849"W
8/16/2006	14:37:49	6	50	6140	6820	6490	6100	5980	5850	5610	5780	5730	6160	5980	5720	A-12-005	37°43'50.3234"N	122°22'09.7193"W
8/16/2006	14:37:55	6	50	6180	6240	6020	6430	5720	5840	5950	5940	6100	6790	6080	5910	A-12-005	37°43'50.2992"N	122°22'09.7317"W
8/16/2006	14:38:01	6	50	5370	5720	5480	5470	5660	5470	5710	5560	5680	6200	5610	6060	A-12-005	37°43'50.2869"N	122°22'09.7942"W
8/16/2006	14:38:07	6	50	5790	6170	4870	5460	4950	4860	5280	5440	4870	5560	5350	4980	A-12-005	37°43'50.3191"N	122°22'09.7758"W
8/16/2006	14:38:13	6	50	5810	5850	5470	5100	5500	5360	6010	5750	5020	6090	5600	5020	A-12-005	37°43'50.3681"N	122°22'09.7348"W
8/16/2006	14:38:19	6	50	5370	5620	4710	5480	5070	4990	5380	5750	5420	5690	5860	6020	A-12-005	37°43'50.4328"N	122°22'09.6838"W
8/16/2006	14:38:25	6	50	4940	5460	4580	5370	4610	4460	5110	5260	4520	5340	5140	4710	A-12-005	37°43'50.4840"N	122°22'09.6403"W
8/16/2006	14:38:31	6	50	5490	5920	5570	5500	4350	4610	4930	4930	4840	4990	5260	4840	A-12-005	37°43'50.5338"N	122°22'09.5974"W
8/16/2006	14:38:37	6	50	5510	5720	5460	5970	5400	5320	5500	5600	5310	5610	5400	5340	A-12-005	37°43'50.5931"N	122°22'09.5482"W
8/16/2006	14:38:43	6	50	5980	6370	5410	6220	5680	5840	5600	5750	5880	6640	5870	5750	A-12-005	37°43'50.6472"N	122°22'09.4968"W
8/16/2006	14:38:49	6	50	4910	5060	4720	5370	5120	4760	5270	5070	5330	5610	5250	5420	A-12-005	37°43'50.6951"N	122°22'09.4588"W
8/16/2006	14:38:55	6	50	5860	6010	5470	5520	5230	5120	5350	5400	5130	5740	5030	5150	A-12-005	37°43'50.7470"N	122°22'09.4085"W
8/16/2006	14:39:01	6	50	5000	5220	5580	5450	4390	5390	5320	5120	5560	5870	5390	5300	A-12-005	37°43'50.8070"N	122°22'09.3458"W
8/16/2006	14:39:07	6	50	5470	5500	5220	4300	4280	5250	4510	4710	4990	5160	4870	4630	A-12-005	37°43'50.8567"N	122°22'09.2953"W
8/16/2006	14:39:13	6	50	5240	5280	5480	5260	4750	5550	5120	5150	5400	4970	4870	4930	A-12-005	37°43'50.9055"N	122°22'09.2546"W

8/16/2006	14:39:19	6	50	6020	5560	5270	5530	5260	5530	5670	5200	5550	5750	5300	5380	A-12-005	37°43'50.9538"N	122°22'09.2111"W
8/16/2006	14:39:25	6	50	5660	5720	5420	5040	4920	4950	5550	5470	5130	5900	5260	5150	A-12-005	37°43'51.0022"N	122°22'09.1729"W
8/16/2006	14:39:31	6	50	4780	5620	5560	4730	4910	5320	5190	4740	5010	5540	5080	4870	A-12-005	37°43'51.0339"N	122°22'09.1464"W
8/16/2006	14:39:37	6	50	5440	5250	5520	5630	4440	5100	5330	5030	4990	4990	5380	5400	A-12-005	37°43'51.0623"N	122°22'09.1113"W
8/16/2006	14:39:43	6	50	5500	5720	5200	5470	5430	5010	5170	5100	5270	5670	5290	5200	A-12-005	37°43'51.0982"N	122°22'09.0821"W
8/16/2006	14:39:49	6	50	5240	5210	5490	4870	4630	5320	5430	5450	5750	6020	5420	5090	A-12-005	37°43'51.1507"N	122°22'09.0485"W
8/16/2006	14:39:55	6	50	4350	5160	4780	4750	4660	4890	5370	5060	4860	5440	5320	5170	A-12-005	37°43'51.1838"N	122°22'09.0210"W
8/16/2006	14:40:01	6	50	5370	5620	5280	5160	4760	4890	4680	4770	4780	5770	5130	4620	A-12-005	37°43'51.2031"N	122°22'09.0062"W
8/16/2006	14:40:07	6	50	5480	5680	5400	5150	4850	4930	5510	5400	4970	5740	5590	5910	A-12-005	37°43'51.2081"N	122°22'09.0877"W
8/16/2006	14:40:13	6	50	4540	5180	5380	4870	5040	4670	5000	5080	5630	5710	5110	4870	A-12-005	37°43'51.1526"N	122°22'09.1116"W
8/16/2006	14:40:19	6	50	4060	4880	4580	4680	4000	4750	3960	4900	4930	5080	4820	4650	A-12-005	37°43'51.1134"N	122°22'09.1420"W
8/16/2006	14:40:25	6	50	3970	4500	4740	4300	4240	4310	4410	4360	4550	4900	4730	4830	A-12-005	37°43'51.0689"N	122°22'09.1816"W
8/16/2006	14:40:31	6	50	4430	4210	4240	4090	3810	3740	3540	4100	4400	4420	4290	4430	A-12-005	37°43'51.0150"N	122°22'09.2179"W
8/16/2006	14:40:37	6	50	3810	4600	4710	4060	3780	5180	4270	4690	4640	4300	4380	4610	A-12-005	37°43'50.9802"N	122°22'09.2560"W
8/16/2006	14:40:43	6	50	3640	4290	4150	3910	3770	4240	3800	3890	3820	3660	3790	4140	A-12-005	37°43'50.9339"N	122°22'09.2828"W
8/16/2006	14:40:49	6	50	4920	4830	4920	4710	4020	4640	4910	4430	4580	4690	4370	4740	A-12-005	37°43'50.8946"N	122°22'09.3333"W
8/16/2006	14:40:55	6	50	5350	5420	5310	5350	5030	5070	5350	5320	5000	5270	4820	4720	A-12-005	37°43'50.8580"N	122°22'09.3656"W
8/16/2006	14:41:01	6	50	4460	4810	4980	4340	3850	4660	4110	4820	4930	4980	5100	5030	A-12-005	37°43'50.8218"N	122°22'09.4034"W
8/16/2006	14:41:07	6	50	4890	4680	5320	4260	4880	4650	4330	4500	4310	4490	5150	4800	A-12-005	37°43'50.7666"N	122°22'09.4482"W
8/16/2006	14:41:13	6	50	4620	4550	4260	3660	3850	3910	4400	4420	3990	5210	4990	4960	A-12-005	37°43'50.7279"N	122°22'09.4916"W
8/16/2006	14:41:19	6	50	4580	4730	4480	4130	3920	4130	4050	4200	4050	4400	4010	4020	A-12-005	37°43'50.6812"N	122°22'09.5375"W
8/16/2006	14:41:25	6	50	4950	5290	5520	5060	5150	5350	4660	4830	5040	4730	4600	4920	A-12-005	37°43'50.6335"N	122°22'09.5875"W
8/16/2006	14:41:31	6	50	5150	5580	5220	5340	4800	5350	5310	5380	5580	6040	5310	5420	A-12-005	37°43'50.5825"N	122°22'09.6257"W
8/16/2006	14:41:37	6	50	4690	5680	5170	5290	4810	4940	5350	4870	5110	5880	5380	4980	A-12-005	37°43'50.5293"N	122°22'09.6712"W
8/16/2006	14:41:43	6	50	4830	5820	5440	5480	4570	4980	5070	5000	5710	4970	4960	5050	A-12-005	37°43'50.4937"N	122°22'09.6980"W
8/16/2006	14:41:49	6	50	4470	4960	4930	4240	4610	4970	4530	5290	5100	5130	5120	5100	A-12-005	37°43'50.4463"N	122°22'09.7418"W
8/16/2006	14:41:55	6	50	4020	4210	4490	4130	3760	4740	4240	4240	4750	4970	4750	4350	A-12-005	37°43'50.3984"N	122°22'09.7842"W
8/16/2006	14:42:01	6	50	4110	4750	4710	4360	4130	4800	4350	3960	4920	4890	4370	4480	A-12-005	37°43'50.3654"N	122°22'09.8197"W
8/16/2006	14:42:07	6	50	4610	4970	4710	4710	4330	4990	4220	4440	4720	4180	4370	4700	A-12-005	37°43'50.3279"N	122°22'09.8375"W
8/16/2006	14:42:13	6	50	4990	5050	5680	5230	4480	4910	4540	4840	5180	4820	5550	4710	A-12-005	37°43'50.2938"N	122°22'09.8660"W
8/16/2006	14:42:19	6	50	4780	4970	5320	4900	4400	5060	5000	4940	4880	5270	5280	5120	A-12-005	37°43'50.2558"N	122°22'09.9351"W
8/16/2006	14:42:25	6	50	5620	6590	5840	5600	5540	5660	5450	5210	5410	5770	4630	5410	A-12-005	37°43'50.3004"N	122°22'09.9061"W
8/16/2006	14:42:31	6	50	5740	6560	6930	6280	5570	6110	5870	6060	6160	6460	5930	6070	A-12-005	37°43'50.3480"N	122°22'09.8804"W
8/16/2006	14:42:37	6	50	7010	6810	7220	6160	6410	6030	5900	6520	6640	5730	6400	6380	A-12-005	37°43'50.3990"N	122°22'09.8309"W
8/16/2006	14:42:43	6	50	6530	6320	6670	6900	5920	6040	6100	6730	6120	7070	6290	6190	A-12-005	37°43'50.4452"N	122°22'09.8043"W
8/16/2006	14:42:49	6	50	6480	6730	6250	6880	5750	6130	6840	6410	6030	6430	6290	5980	A-12-005	37°43'50.4864"N	122°22'09.7524"W
8/16/2006	14:42:55	6	50	4870	4680	5040	5020	4630	5020	4690	4800	4890	5520	5270	4980	A-12-005	37°43'50.5360"N	122°22'09.7166"W
8/16/2006	14:43:01	6	50	5130	5810	6080	4670	4700	5230	4490	4680	4860	5270	5160	5090	A-12-005	37°43'50.5781"N	122°22'09.6832"W
8/16/2006	14:43:07	6	50	5080	5680	5130	5760	5440	5400	5530	5100	5190	5370	5440	5540	A-12-005	37°43'50.6082"N	122°22'09.6518"W
8/16/2006	14:43:13	6	50	5350	5710	5380	5500	5280	4970	5560	5220	5230	5270	5280	5120	A-12-005	37°43'50.6460"N	122°22'09.6139"W
8/16/2006	14:53:48	6	50	5540	5840	5360	5480	5130	5070	5000	5320	5010	5380	5770	5290	A-12-005	37°43'50.6957"N	122°22'09.5647"W
8/16/2006	14:53:54	6	50	5320	5790	5760	5250	4980	4830	5290	5060	5140	5370	5140	5090	A-12-005	37°43'50.7406"N	122°22'09.5193"W
8/16/2006	14:54:00	6	50	5360	5830	5670	5820	5900	6120	6020	6130	6330	6010	5810	5790	A-12-005	37°43'50.7922"N	122°22'09.4823"W
8/16/2006	14:54:06	6	50	5860	6840	6940	6270	5770	6220	6030	6540	6620	6120	6260	6420	A-12-005	37°43'50.8415"N	122°22'09.4319"W
8/16/2006	14:54:12	6	50	6080	5990	6750	5890	5800	6670	6130	5930	6620	6590	6380	6370	A-12-005	37°43'50.8914"N	122°22'09.3898"W
8/16/2006	14:54:18	6	50	4290	5170	4610	4490	4300	4440	4940	5360	4970	5830	5910	5930	A-12-005	37°43'50.9359"N	122°22'09.3449"W
8/16/2006	14:54:24	6	50	4010	5110	4440	4500	4480	4740	4360	4280	4810	4730	4610	4850	A-12-005	37°43'50.9787"N	122°22'09.3043"W
8/16/2006	14:54:30	6	50	3620	4430	4450	4200	4590	4690	4410	4810	4690	4920	4710	4700	A-12-005	37°43'51.0381"N	122°22'09.2545"W
8/16/2006	14:54:36	6	50	4070	4380	4610	4270	4160	4880	4310	4150	5060	4430	4650	4690	A-12-005	37°43'51.0751"N	122°22'09.2179"W
8/16/2006	14:54:42	6	50	5310	5220	6190	5680	4820	5860	4790	4730	5770	5170	5310	4990	A-12-005	37°43'51.0981"N	122°22'09.1942"W
8/16/2006	14:54:48	6	50	5080	5560	5680	5340	4900	5290	4630	4710	5640	5440	5460	6100	A-12-005	37°43'51.1223"N	122°22'09.1842"W
8/16/2006	14:54:54	6	50	5560	6110	6520	6270	5380	6030	5970	5710	6030	5960	5950	6160	A-12-005	37°43'51.2149"N	122°22'09.1507"W
8/16/2006	14:55:00	6	50	6360	5910	5800	5710	5810	5750	5400	6180	6110	5690	5520	5700	A-12-005	37°43'51.2220"N	122°22'09.1646"W
8/16/2006	14:55:06	6	50	5260	5960	5890	5200	4520	5230	5390	5800	5610	6040	5890	5580	A-12-005	37°43'51.2524"N	122°22'09.1291"W
8/16/2006	14:55:12	6	50	5580	6080	6100	5300	4910	5410	5140	5220	5750	5500	5930	5880	A-12-005	37°43'51.2632"N	122°22'09.2079"W
8/16/2006	14:55:18	6	50	5830	6220	6540	6190	5700	5870	5590	5660	5800	6230	6550	5870	A-12-005	37°43'51.2609"N	122°22'09.2010"W
8/16/2006	14:55:24	6	50	4560	4100	3770	4420	3750	4230	4440	4640	5100	5290	5200	5720	A-12-005	37°43'51.2163"N	122°22'09.2304"W
8/16/2006	14:55:30	6	50	4590	5610	5850	5400	5020	5630	4220	4650	5360	4500	4800	4820	A-12-005	37°43'51.1768"N	122°22'09.2578"W
8/16/2006	14:55:36	6	50	6610	6680	7030	6560	6040	6540	6490	6200	6620	6280	6240	6520	A-12-005	37°43'51.1356"N	122°22'09.3004"W
8/16/2006	14:55:42	6	50	7120	6800	6180	6340	6020	5960	6670	6510	6500	6560	6220	6500	A-12-005	37°43'51.0751"N	122°22'09.3480"W
8/16/2006	14:55:48	6	50	6420	5410	5310	5840	5320	5250	6030	5150	5350	6050	5490	5410	A-12-005	37°43'51.0311"N	122°22'09.3954"W
8/16/2006	14:55:54	6	50	5660	5710	5440	6130	5660	5490	6220	6040	5350	6470	5920	5920	A-12-005	37°43'50.9851"N	122°22'09.4422"W
8/16/2006	14:56:00	6	50	5040	5770	5810	4790	5590	5040	4910	5240	5230	5380	5890	5010	A-12-005	37°43'50.9316"N	122°22'09.4872"W
8/16/2006	14:56:06	6	50	5590	5870	5070	5670	5390	5180	5160	5150	5850	5500	5780	5930	A-12-005	37°43'50.8708"N	122°22'09.5408"W
8/16/2006	14:56:12	6	50	5610	6140	6180	5600	5470	5870	5050	5170	5380	4950	5270	5540	A-12-005	37°43'50.8153"N	122°22'09.5876"W
8/16/2006	14:56:18	6	50	5660	6080	6100	5770	5530	5370	5810	5590	5950	5590	5990	5970	A-12-005	37°43'50.7686"N	122°22'09.6183"W

8/16/2006	14:56:24	6	50	6340	6490	6340	6080	5750	6270	5570	6500	6340	6370	6230	6440	A-12-005	37°43'50.7239"N	122°22'09.6640"W
8/16/2006	14:56:30	6	50	5570	5700	5790	5690	5200	5240	5420	5680	5810	5540	5750	5770	A-12-005	37°43'50.6751"N	122°22'09.7133"W
8/16/2006	14:56:36	6	50	6030	6520	5460	6040	5560	6170	5400	5700	5750	5540	5870	5570	A-12-005	37°43'50.6235"N	122°22'09.7503"W
8/16/2006	14:56:42	6	50	4700	5040	4430	4620	4720	4580	4850	4930	5200	5690	5500	5040	A-12-005	37°43'50.5751"N	122°22'09.7903"W
8/16/2006	14:56:48	6	50	4470	4970	5600	4470	4750	5350	4430	5180	5050	4490	4790	4800	A-12-005	37°43'50.5318"N	122°22'09.8276"W
8/16/2006	14:56:54	6	50	5640	5880	6190	5330	5360	5430	5130	4990	4550	5650	5220	4640	A-12-005	37°43'50.4861"N	122°22'09.8764"W
8/16/2006	14:57:00	6	50	5590	6050	5830	5590	5700	5210	5530	5560	5820	6110	5490	5740	A-12-005	37°43'50.4466"N	122°22'09.9086"W
8/16/2006	14:57:06	6	50	5980	6310	5280	5900	4580	5780	5470	5800	5750	5980	6280	5970	A-12-005	37°43'50.4133"N	122°22'09.9304"W
8/16/2006	14:57:12	6	50	5070	5640	5600	5570	5040	5340	5230	5160	5290	5720	5200	5540	A-12-005	37°43'50.3711"N	122°22'09.9715"W
8/16/2006	14:57:18	6	50	5150	4910	5380	5460	4910	5000	5080	5300	4890	5730	5040	5370	A-12-005	37°43'50.3372"N	122°22'09.9934"W
8/16/2006	14:57:24	6	50	4270	5460	5460	4960	5060	5700	5180	4700	4920	5400	4930	5260	A-12-005	37°43'50.3056"N	122°22'10.0633"W
8/16/2006	14:57:30	6	50	4810	5100	5360	5010	4850	5020	4930	5030	5330	4800	5400	5520	A-12-005	37°43'50.3670"N	122°22'10.0307"W
8/16/2006	14:57:36	6	50	5430	5570	5420	5160	5010	4430	5080	5030	4860	4740	5310	5300	A-12-005	37°43'50.4077"N	122°22'09.9906"W
8/16/2006	14:57:42	6	50	4960	5690	5720	5400	5580	5430	5160	4930	5240	5110	5330	5160	A-12-005	37°43'50.4380"N	122°22'09.9644"W
8/16/2006	14:57:48	6	50	4830	5270	5100	4890	4710	5030	5290	5130	5160	5510	5370	4900	A-12-005	37°43'50.4845"N	122°22'09.9292"W
8/16/2006	14:57:54	6	50	5100	5380	5160	5170	4650	5140	5190	5060	5260	5290	5490	5340	A-12-005	37°43'50.5294"N	122°22'09.8908"W
8/16/2006	14:58:00	6	50	5230	5680	5630	5950	5240	5120	5360	5110	5300	5640	5060	5280	A-12-005	37°43'50.5886"N	122°22'09.8404"W
8/16/2006	14:58:06	6	50	5420	5060	5180	4960	5140	5200	4940	5330	5420	5630	5180	5510	A-12-005	37°43'50.6408"N	122°22'09.7952"W
8/16/2006	14:58:12	6	50	4360	5100	3960	4680	4260	4060	4540	4260	4330	4810	4740	4450	A-12-005	37°43'50.6818"N	122°22'09.7552"W
8/16/2006	14:58:18	6	50	3810	4140	3510	3630	3590	3750	3510	3920	3870	4360	4420	3760	A-12-005	37°43'50.7295"N	122°22'09.7149"W
8/16/2006	14:58:24	6	50	4200	4290	4180	4130	3760	3810	4020	3750	3640	3970	3900	3710	A-12-005	37°43'50.7827"N	122°22'09.6687"W
8/16/2006	14:58:30	6	50	4130	4680	4220	3740	3710	3960	3890	3880	3610	3870	4100	3920	A-12-005	37°43'50.8358"N	122°22'09.6209"W
8/16/2006	14:58:36	6	50	4540	5430	4960	5050	4720	5000	4750	4420	4890	4780	4610	4580	A-12-005	37°43'50.8916"N	122°22'09.5727"W
8/16/2006	14:58:42	6	50	5990	5050	4400	5770	4930	4680	5350	5200	4750	5780	5500	4980	A-12-005	37°43'50.9465"N	122°22'09.5245"W
8/16/2006	14:58:48	6	50	5430	5370	4540	5540	4990	4820	5120	4850	4460	5640	4560	5020	A-12-005	37°43'51.0054"N	122°22'09.4681"W
8/16/2006	14:58:54	6	50	5340	4590	4140	4850	4300	4510	5030	4750	4450	5660	4890	4780	A-12-005	37°43'51.0617"N	122°22'09.4137"W
8/16/2006	14:59:00	6	50	5230	5260	4720	5310	4510	4400	5250	4650	4440	4810	4810	4130	A-12-005	37°43'51.1067"N	122°22'09.3763"W
8/16/2006	14:59:06	6	50	5410	5460	5770	5570	5700	6140	5730	5330	5870	5960	5450	5350	A-12-005	37°43'51.1398"N	122°22'09.3373"W
8/16/2006	14:59:12	6	50	5030	5680	5510	5210	4670	5140	5260	5190	4980	5360	5080	5510	A-12-005	37°43'51.1583"N	122°22'09.3264"W
8/16/2006	14:59:18	6	50	4430	4540	4450	4320	4720	4860	4790	4720	4960	4990	5030	5120	A-12-005	37°43'51.2069"N	122°22'09.2980"W
8/16/2006	14:59:24	6	50	3690	3910	4500	4060	3860	4610	3680	4250	4530	4270	4770	4510	A-12-005	37°43'51.2346"N	122°22'09.2730"W
8/16/2006	14:59:30	6	50	4210	4900	4550	3890	3660	4210	3560	3950	4380	3970	3660	4200	A-12-005	37°43'51.2650"N	122°22'09.2535"W
8/16/2006	14:59:36	6	50	4320	4720	4080	3990	3860	3950	4280	4240	4220	4470	4250	4420	A-12-005	37°43'51.2376"N	122°22'09.3416"W
8/16/2006	14:59:42	6	50	4550	4750	4460	4630	3970	3860	4440	5000	4250	4620	4220	4230	A-12-005	37°43'51.1944"N	122°22'09.3736"W
8/16/2006	14:59:48	6	50	3820	4280	4530	4280	3740	5000	4490	4270	4590	4830	4650	4700	A-12-005	37°43'51.1425"N	122°22'09.4204"W
8/16/2006	14:59:54	6	50	3740	4120	4250	4000	4110	4570	3850	4340	4300	4480	4000	4390	A-12-005	37°43'51.0999"N	122°22'09.4552"W
8/16/2006	15:00:00	6	50	4530	5790	6340	4820	5500	5780	4900	4650	5060	4400	4710	4840	A-12-005	37°43'51.0584"N	122°22'09.4909"W
8/16/2006	15:00:06	6	50	5000	4590	5390	4650	4510	5600	4350	5410	5820	4950	5290	5690	A-12-005	37°43'51.0265"N	122°22'09.5218"W
8/16/2006	15:00:12	6	50	6560	7050	6180	6500	6380	6520	5790	6190	6720	5300	5990	5740	A-12-005	37°43'50.9635"N	122°22'09.5873"W
8/16/2006	15:00:18	6	50	6760	6680	6620	6420	6320	6390	6820	6040	6720	6570	6610	6520	A-12-005	37°43'50.9049"N	122°22'09.6357"W
8/16/2006	15:00:24	6	50	5450	5450	5170	5410	4610	4880	4900	5030	5550	5760	5880	6100	A-12-005	37°43'50.8528"N	122°22'09.6815"W
8/16/2006	15:00:30	6	50	4950	5380	5630	5070	4430	4760	5640	5240	5160	5760	5140	5040	A-12-005	37°43'50.8117"N	122°22'09.7199"W
8/16/2006	15:09:05	6	50	6620	6370	6320	6460	6350	6080	6150	5550	5850	7090	5840	5990	A-12-005	37°43'50.7523"N	122°22'09.7672"W
8/16/2006	15:09:11	6	50	6440	6540	6360	6140	6220	6940	6420	6160	6950	6740	6350	6980	A-12-005	37°43'50.7108"N	122°22'09.8091"W
8/16/2006	15:09:17	6	50	5570	5100	5880	5790	4840	5620	5960	5750	5750	6180	6230	6450	A-12-005	37°43'50.6524"N	122°22'09.8441"W
8/16/2006	15:09:23	6	50	4570	4830	4440	4700	4280	4470	4760	4560	4980	5080	5260	5120	A-12-005	37°43'50.6076"N	122°22'09.8963"W
8/16/2006	15:09:29	6	50	4530	4770	4440	4360	4030	4630	4490	4380	4830	4400	4260	4360	A-12-005	37°43'50.5570"N	122°22'09.9349"W
8/16/2006	15:09:35	6	50	4280	4170	4220	3990	3940	4040	3910	3840	4470	4410	4140	4060	A-12-005	37°43'50.4994"N	122°22'09.9897"W
8/16/2006	15:09:41	6	50	3990	4020	4250	4020	3900	3760	4020	4240	4190	4160	3810	4360	A-12-005	37°43'50.4513"N	122°22'10.0265"W
8/16/2006	15:09:47	6	50	3780	4540	4290	4250	3460	3910	3960	3930	4710	4290	4120	4390	A-12-005	37°43'50.4091"N	122°22'10.0634"W
8/16/2006	15:09:53	6	50	4420	4560	4410	4280	4080	4450	4160	4010	4080	4220	3970	4320	A-12-005	37°43'50.3663"N	122°22'10.0969"W
8/16/2006	15:09:59	6	50	5700	5420	5570	5440	4390	4370	4670	4420	4840	4900	4910	4890	A-12-005	37°43'50.3211"N	122°22'10.1234"W
8/16/2006	15:10:05	6	50	5650	5480	5650	5490	5050	5430	5250	5380	5280	5510	5560	5530	A-12-005	37°43'50.2787"N	122°22'10.2085"W
8/16/2006	15:10:11	6	50	4910	5260	5240	5390	5100	5100	5590	5110	5720	5950	5510	5390	A-12-005	37°43'50.3407"N	122°22'10.1740"W
8/16/2006	15:10:17	6	50	4180	4850	4360	4300	4090	4370	4160	4190	4340	4440	4740	4430	A-12-005	37°43'50.3884"N	122°22'10.1367"W
8/16/2006	15:10:23	6	50	4030	4480	4500	4130	3970	4610	4540	4220	4270	4700	4210	4430	A-12-005	37°43'50.4403"N	122°22'10.0971"W
8/16/2006	15:10:29	6	50	4510	4970	4550	4720	4490	5080	4790	5240	5280	5790	5210	5900	A-12-005	37°43'50.4961"N	122°22'10.0405"W
8/16/2006	15:10:35	6	50	4440	4290	4170	3780	3720	3990	4020	3960	3910	4690	4530	4620	A-12-005	37°43'50.5478"N	122°22'10.0016"W
8/16/2006	15:10:41	6	50	4400	5210	5470	4710	4090	4440	3900	4470	3870	4470	4070	4150	A-12-005	37°43'50.5859"N	122°22'09.9728"W
8/16/2006	15:10:47	6	50	6500	6490	6900	5830	5800	6400	5320	6040	6330	4930	5740	6310	A-12-005	37°43'50.6329"N	122°22'09.9211"W
8/16/2006	15:10:53	6	50	6550	6710	6270	6210	5910	6910	6040	5930	6500	6620	6170	6360	A-12-005	37°43'50.6899"N	122°22'09.8813"W
8/16/2006	15:10:59	6	50	6050	6210	6090	5930	6230	6700	6300	6160	6460	6760	6600	6380	A-12-005	37°43'50.6976"N	122°22'09.8743"W
8/16/2006	15:11:05	6	50	5540	5280	5600	6070	5800	6480	6120	6150	6460	6410	6300	6300	A-12-005	37°43'50.7314"N	122°22'09.8434"W
8/16/2006	15:11:11	6	50	5400	4890	4650	5720	4870	4660	5080	4980	4720	5290	5350	5170	A-12-005	37°43'50.7675"N	122°22'09.7989"W
8/16/2006	15:11:17	6	50	4490	5120	5330	5050	5020	5010	5150	5290	5410	5530	5160	4980	A-12-005	37°43'50.8112"N	122°22'09.7587"W
8/16/2006	15:11:23	6	50	4460	4360	4710	4770	4390	4890	4610	5110	5200	4760	4950	5070	A-12-005	37°43'50.8546"N	122°22'09.7293"W

8/16/2006	15:11:29	6	50	4860	5010	4540	5610	3980	4150	5120	4810	4550	5050	4800	4860	A-12-005	37°43'50.9026"N	122°22'09.6839"W
8/16/2006	15:11:35	6	50	5110	5610	6160	6200	5490	5790	5300	5350	5750	5900	5400	5510	A-12-005	37°43'50.9413"N	122°22'09.6422"W
8/16/2006	15:11:41	6	50	5350	5270	5240	5330	4370	5240	4710	5580	5350	5290	5870	5970	A-12-005	37°43'50.9825"N	122°22'09.6137"W
8/16/2006	15:11:47	6	50	4500	4720	4770	4780	4600	4670	4630	4150	5110	5130	4830	4780	A-12-005	37°43'51.0207"N	122°22'09.5761"W
8/16/2006	15:11:53	6	50	4240	4130	4510	4010	3920	4150	3670	4080	4560	4860	4480	4550	A-12-005	37°43'51.0703"N	122°22'09.5314"W
8/16/2006	15:11:59	6	50	4220	4960	4620	4510	4540	4420	4110	4230	4490	4480	4160	4350	A-12-005	37°43'51.1181"N	122°22'09.4876"W
8/16/2006	15:12:05	6	50	5250	5110	5380	4970	4600	4870	5100	5070	4980	5060	4560	4410	A-12-005	37°43'51.1384"N	122°22'09.4734"W
8/16/2006	15:12:11	6	50	4260	4800	4710	4160	3870	5330	4140	4310	4540	4430	4510	5000	A-12-005	37°43'51.2217"N	122°22'09.4096"W
8/16/2006	15:12:17	6	50	4620	4560	4210	4050	4020	4360	4130	4590	4340	4530	4170	4790	A-12-005	37°43'51.2409"N	122°22'09.4151"W
8/16/2006	15:12:23	6	50	4600	4520	5310	3930	4620	5370	4400	4100	4600	4680	5070	4750	A-12-005	37°43'51.2849"N	122°22'09.3897"W
8/16/2006	15:12:29	6	50	4130	4470	4420	4300	4120	4480	4560	4210	4440	4550	4900	4980	A-12-005	37°43'51.2515"N	122°22'09.4325"W
8/16/2006	15:12:35	6	50	4050	4610	4860	4340	4220	4790	4150	4100	4680	4460	4350	4670	A-12-005	37°43'51.2046"N	122°22'09.4632"W
8/16/2006	15:12:41	6	50	4300	5060	5120	4430	4380	4840	4140	4170	4470	4800	4440	5000	A-12-005	37°43'51.1676"N	122°22'09.4945"W
8/16/2006	15:12:47	6	50	4860	5300	5130	4440	4200	4610	3850	3160	4900	4120	4010	4250	A-12-005	37°43'51.1368"N	122°22'09.5324"W
8/16/2006	15:12:53	6	50	6320	5940	5140	5680	5390	5200	5530	5860	5440	5490	5340	5070	A-12-005	37°43'51.0939"N	122°22'09.5643"W
8/16/2006	15:12:59	6	50	6170	6450	5780	6720	6160	5680	5660	5890	5480	5960	6280	5350	A-12-005	37°43'51.0564"N	122°22'09.6046"W
8/16/2006	15:13:05	6	50	5730	5500	4780	6320	5100	4710	5330	5200	4890	5980	5370	4900	A-12-005	37°43'51.0118"N	122°22'09.6334"W
8/16/2006	15:13:11	6	50	4980	4530	4040	5170	4050	4170	5000	4650	4610	5790	4680	4470	A-12-005	37°43'50.9770"N	122°22'09.6685"W
8/16/2006	15:13:17	6	50	5010	4590	4440	5120	4340	3790	5360	4620	4000	5570	4540	4330	A-12-005	37°43'50.9372"N	122°22'09.7056"W
8/16/2006	15:13:23	6	50	5670	5580	5220	5330	4600	4810	5340	5060	5030	5590	5440	4560	A-12-005	37°43'50.9034"N	122°22'09.7327"W
8/16/2006	15:13:29	6	50	5520	6380	5720	5960	4700	5280	5560	6110	5050	5760	5410	4560	A-12-005	37°43'50.8748"N	122°22'09.7546"W
8/16/2006	15:13:35	6	50	5850	6380	6010	5710	5280	5780	5680	5760	5530	6060	5880	6190	A-12-005	37°43'50.8445"N	122°22'09.7758"W
8/16/2006	15:13:41	6	50	6570	6010	6340	6410	5400	5450	6170	6560	5860	6490	6130	5960	A-12-005	37°43'50.8120"N	122°22'09.8185"W
8/16/2006	15:13:47	6	50	6170	6600	6440	6270	6010	6330	6270	6240	6020	6220	5730	5920	A-12-005	37°43'50.7849"N	122°22'09.8493"W
8/16/2006	15:13:53	6	50	5960	6200	5810	6500	5940	6100	6110	5910	6190	5890	6340	5940	A-12-005	37°43'50.7483"N	122°22'09.8754"W
8/16/2006	15:13:59	6	50	4340	5220	4960	4950	5300	4960	5600	5710	5040	6030	5520	5330	A-12-005	37°43'50.7008"N	122°22'09.9168"W
8/16/2006	15:14:05	6	50	4070	4530	4930	3980	3840	4750	3840	4860	4370	4510	4680	4390	A-12-005	37°43'50.6483"N	122°22'09.9664"W
8/16/2006	15:14:11	6	50	4180	4220	4060	3970	3700	3620	3970	4000	4070	4220	3680	4510	A-12-005	37°43'50.6138"N	122°22'09.9987"W
8/16/2006	15:14:17	6	50	4080	3940	4010	4040	3590	2940	3640	3920	3990	3850	3830	3900	A-12-005	37°43'50.5758"N	122°22'10.0304"W
8/16/2006	15:14:23	6	50	3930	4110	4160	4140	3770	4110	4190	4420	4160	3930	3900	4090	A-12-005	37°43'50.5383"N	122°22'10.0657"W
8/16/2006	15:14:29	6	50	4370	4330	4430	4630	4260	4310	4040	4690	4570	4230	4540	4850	A-12-005	37°43'50.4956"N	122°22'10.0934"W
8/16/2006	15:14:35	6	50	4240	5070	4510	4610	4170	4370	3940	4490	4490	4530	4900	4320	A-12-005	37°43'50.4708"N	122°22'10.1238"W
8/16/2006	15:14:41	6	50	3730	4410	4470	4320	3900	4210	3780	3620	4000	4460	4220	4490	A-12-005	37°43'50.4328"N	122°22'10.1597"W
8/16/2006	15:14:47	6	50	4340	4520	4070	3980	3780	3900	4280	4120	4300	4440	4060	3970	A-12-005	37°43'50.4096"N	122°22'10.1739"W
8/16/2006	15:14:53	6	50	4540	4980	4710	4630	4120	4480	4160	4540	4030	4280	3530	4550	A-12-005	37°43'50.3798"N	122°22'10.1930"W
8/16/2006	15:14:59	6	50	4040	4630	4690	4750	4100	4420	4230	4440	4770	4580	4590	4220	A-12-005	37°43'50.3536"N	122°22'10.2234"W
8/16/2006	15:15:05	6	50	5710	5880	4890	5180	4780	4560	5050	4760	4500	5260	4730	4140	A-12-005	37°43'50.3122"N	122°22'10.2540"W
8/16/2006	15:15:11	6	50	6420	6850	6930	6720	6550	6620	6190	6190	6590	6420	6360	6480	A-12-005	37°43'50.2972"N	122°22'10.2720"W
8/16/2006	15:15:17	6	50	6200	5990	6000	6200	5700	5960	6370	6060	6370	6750	6540	6370	A-12-005	37°43'50.2801"N	122°22'10.2789"W
8/16/2006	15:21:27	6	50	5950	5980	5580	6310	5530	5310	5680	6160	5730	6380	6350	6540	A-12-005	37°43'50.2537"N	122°22'10.3576"W
8/16/2006	15:21:33	6	50	5160	4940	4830	5540	4600	4940	4960	4990	4790	5650	5280	5260	A-12-005	37°43'50.2679"N	122°22'10.3465"W
8/16/2006	15:21:39	6	50	4250	4400	4200	4370	3910	4050	4090	3930	4370	4920	4540	4330	A-12-005	37°43'50.3156"N	122°22'10.3255"W
8/16/2006	15:21:45	6	50	3790	4270	3640	3800	3550	3870	3510	3910	4100	4160	3990	4330	A-12-005	37°43'50.3528"N	122°22'10.2903"W
8/16/2006	15:21:51	6	50	4180	3930	3680	4240	3980	3810	3670	3780	3840	4580	3750	3590	A-12-005	37°43'50.4075"N	122°22'10.2494"W
8/16/2006	15:21:57	6	50	4040	4370	3830	3930	3480	3330	3490	4060	4080	4250	4010	3910	A-12-005	37°43'50.4561"N	122°22'10.2016"W
8/16/2006	15:22:03	6	50	4200	3830	4250	4170	3600	3970	3870	3780	3640	4300	3620	3890	A-12-005	37°43'50.5144"N	122°22'10.1446"W
8/16/2006	15:22:09	6	50	5180	5210	4570	4410	3780	4410	3970	4110	4200	4590	4330	4010	A-12-005	37°43'50.5496"N	122°22'10.1166"W
8/16/2006	15:22:15	6	50	5470	5630	5830	5390	5030	5740	5370	5140	5090	5470	5520	4630	A-12-005	37°43'50.5757"N	122°22'10.0958"W
8/16/2006	15:22:21	6	50	5520	5240	5420	5760	5380	5470	5710	5650	5520	5790	5250	5520	A-12-005	37°43'50.6104"N	122°22'10.0483"W
8/16/2006	15:22:27	6	50	3580	4550	4510	4230	3750	4100	4870	4290	4820	5010	5130	4560	A-12-005	37°43'50.6587"N	122°22'10.0408"W
8/16/2006	15:22:33	6	50	4390	4630	4730	4670	4030	4280	4130	4230	4430	4350	4450	4430	A-12-005	37°43'50.6976"N	122°22'10.0070"W
8/16/2006	15:22:39	6	50	4290	4250	4180	4400	4110	4110	4320	3970	4170	4120	4280	4300	A-12-005	37°43'50.7390"N	122°22'09.9776"W
8/16/2006	15:22:45	6	50	4160	4480	4160	4100	3500	4240	3790	3950	4010	4220	4470	4420	A-12-005	37°43'50.7771"N	122°22'09.9526"W
8/16/2006	15:22:51	6	50	4880	4850	4700	3980	3900	4160	4160	4730	4150	3910	4640	4510	A-12-005	37°43'50.8155"N	122°22'09.9099"W
8/16/2006	15:22:57	6	50	5720	5670	5220	5190	4620	5450	4420	5430	5370	4710	4970	4780	A-12-005	37°43'50.8660"N	122°22'09.8669"W
8/16/2006	15:23:03	6	50	6840	6170	6590	6330	6270	6210	6430	6750	6010	6390	6370	5840	A-12-005	37°43'50.8944"N	122°22'09.8408"W
8/16/2006	15:23:09	6	50	5440	5530	6290	5760	5910	6120	5690	5840	5890	6430	6660	6060	A-12-005	37°43'50.9308"N	122°22'09.8138"W
8/16/2006	15:23:15	6	50	5080	5140	5260	4930	4370	5180	4530	4680	5340	5960	5150	5540	A-12-005	37°43'50.9619"N	122°22'09.7740"W
8/16/2006	15:23:21	6	50	5300	4850	4980	4860	4440	4920	4910	4470	5190	5150	4980	5270	A-12-005	37°43'51.0048"N	122°22'09.7319"W
8/16/2006	15:23:27	6	50	4870	5340	4410	4550	4640	4800	4740	4550	4980	4870	5200	5170	A-12-005	37°43'51.0457"N	122°22'09.6978"W
8/16/2006	15:23:33	6	50	4940	4870	4650	3960	3920	4120	4070	4370	4750	4900	4730	4490	A-12-005	37°43'51.0613"N	122°22'09.6861"W
8/16/2006	15:23:39	6	50	5770	5820	5570	5870	5230	5780	5450	5710	5180	5500	5340	5430	A-12-005	37°43'51.1018"N	122°22'09.6478"W
8/16/2006	15:23:45	6	50	5210	5570	5730	4630	4530	4850	5230	5430	4990	5860	5330	5280	A-12-005	37°43'51.1279"N	122°22'09.6332"W
8/16/2006	15:23:51	6	50	4550	4940	5030	4040	4470	4850	4560	4470	5100	4790	4990	4800	A-12-005	37°43'51.1611"N	122°22'09.6035"W
8/16/2006	15:23:57	6	50	4890	4870	4210	5080	4150	4020	4500	4380	4820	4580	4540	4680	A-12-005	37°43'51.1933"N	122°22'09.5783"W
8/16/2006	15:24:03	6	50	4270	4380	4350	4150	3990	4190	4220	4160	4270	4810	4330	4540	A-12-005	37°43'51.2355"N	122°22'09.5590"W

8/16/2006	15:24:09	6	50	4740	4610	4190	4100	3830	3910	3970	4080	4130	4110	4150	4600	A-12-005	37°43'51.2582"N	122°22'09.5435"W
8/16/2006	15:24:15	6	50	4580	4180	4470	4070	3990	4260	4050	4160	4070	4450	4640	4350	A-12-005	37°43'51.2484"N	122°22'09.6070"W
8/16/2006	15:24:21	6	50	4090	4810	4220	4460	3590	4360	4140	4050	4410	4040	4230	4240	A-12-005	37°43'51.2097"N	122°22'09.6318"W
8/16/2006	15:24:27	6	50	4250	4590	4370	4110	3770	4020	3940	4150	4200	4170	4000	4120	A-12-005	37°43'51.1713"N	122°22'09.6603"W
8/16/2006	15:24:33	6	50	4880	4620	4220	4590	4350	4460	4470	4260	4140	4210	4470	4110	A-12-005	37°43'51.1453"N	122°22'09.6803"W
8/16/2006	15:24:39	6	50	5500	6170	5430	6040	5340	5110	5480	5260	5420	6280	5800	5760	A-12-005	37°43'51.1168"N	122°22'09.7079"W
8/16/2006	15:24:45	6	50	6390	6420	6600	6940	5790	6070	5790	6050	6000	6020	6120	6130	A-12-005	37°43'51.0901"N	122°22'09.7326"W
8/16/2006	15:24:51	6	50	5990	5940	5490	6190	5360	5650	6150	5690	5690	6650	6140	5530	A-12-005	37°43'51.0487"N	122°22'09.7755"W
8/16/2006	15:24:57	6	50	6210	6280	6110	6100	5490	5680	5710	5950	5580	6040	5870	6170	A-12-005	37°43'51.0122"N	122°22'09.8139"W
8/16/2006	15:25:03	6	50	5620	6180	6520	5840	5600	6120	5850	6300	5880	6170	5800	5720	A-12-005	37°43'50.9786"N	122°22'09.8406"W
8/16/2006	15:25:09	6	50	6100	6120	6000	5880	5430	5260	5300	5730	5790	6130	6040	5540	A-12-005	37°43'50.9387"N	122°22'09.8707"W
8/16/2006	15:25:15	6	50	6430	6440	6100	5770	5260	6140	5530	6120	6230	5760	6020	6160	A-12-005	37°43'50.9119"N	122°22'09.8973"W
8/16/2006	15:25:21	6	50	5740	6650	5730	6400	5700	6120	5940	5790	6320	6050	5680	5840	A-12-005	37°43'50.8928"N	122°22'09.9155"W
8/16/2006	15:25:27	6	50	6530	6580	6230	5820	5850	6200	5780	6090	6330	6720	6210	5680	A-12-005	37°43'50.8597"N	122°22'09.9467"W
8/16/2006	15:25:33	6	50	4720	5330	5720	5120	5000	5750	5810	5580	5920	5820	5820	5720	A-12-005	37°43'50.8213"N	122°22'09.9800"W
8/16/2006	15:25:39	6	50	4150	4490	4070	4720	4370	4100	4590	4370	4500	5330	5330	4630	A-12-005	37°43'50.7641"N	122°22'09.9929"W
8/16/2006	15:25:45	6	50	4400	4320	4180	3880	3470	4350	3730	3840	3820	4010	4070	3860	A-12-005	37°43'50.7270"N	122°22'10.0196"W
8/16/2006	15:25:51	6	50	3680	4010	3730	3790	3520	3710	3720	3600	3680	3980	3970	3410	A-12-005	37°43'50.6916"N	122°22'10.0592"W
8/16/2006	15:25:57	6	50	4100	4420	4150	4240	3920	3830	3660	3640	3830	3860	3990	3560	A-12-005	37°43'50.6413"N	122°22'10.1015"W
8/16/2006	15:26:03	6	50	3880	4240	4640	3730	3370	3650	3810	3720	3820	3660	4200	3940	A-12-005	37°43'50.6044"N	122°22'10.1266"W
8/16/2006	15:26:09	6	50	4900	4290	4000	4150	4130	3750	4070	4270	3840	4160	4210	4350	A-12-005	37°43'50.5764"N	122°22'10.1508"W
8/16/2006	15:26:15	6	50	4540	4430	4240	4300	3880	4210	4200	4210	4430	4050	4080	3990	A-12-005	37°43'50.5437"N	122°22'10.1795"W
8/16/2006	15:26:21	6	50	4130	4590	4060	4150	3800	3880	3680	3810	4100	4570	3690	4120	A-12-005	37°43'50.5247"N	122°22'10.2030"W
8/16/2006	15:26:27	6	50	4380	4290	3970	4110	3910	4590	4430	4170	4550	4810	4220	4390	A-12-005	37°43'50.4924"N	122°22'10.2344"W
8/16/2006	15:26:33	6	50	4910	5430	5030	4800	4320	5020	4620	4750	4600	4550	4500	3920	A-12-005	37°43'50.4602"N	122°22'10.2585"W
8/16/2006	15:26:39	6	50	6530	6550	6210	5660	5210	5230	5680	5150	5350	5490	5090	4950	A-12-005	37°43'50.4248"N	122°22'10.2833"W
8/16/2006	15:26:45	6	50	6530	6960	6520	6220	5850	6200	6360	6120	6670	6410	6630	6790	A-12-005	37°43'50.4076"N	122°22'10.3074"W
8/16/2006	15:32:51	6	50	4220	4620	4490	4410	4440	5000	4620	4520	5190	5670	5490	5750	A-12-005	37°43'50.3859"N	122°22'10.3271"W
8/16/2006	15:32:57	6	50	4060	4960	4400	4230	3880	4180	4200	4200	3950	4700	4270	4500	A-12-005	37°43'50.3576"N	122°22'10.3368"W
8/16/2006	15:33:03	6	50	4090	4300	4150	4230	4250	4030	4100	3910	4160	4440	4300	4090	A-12-005	37°43'50.3098"N	122°22'10.3675"W
8/16/2006	15:33:09	6	50	3800	4480	4220	3870	3590	3710	3820	4010	3490	3970	3870	3510	A-12-005	37°43'50.2822"N	122°22'10.3995"W
8/16/2006	15:33:15	6	50	5150	4880	3830	4050	3690	3620	4150	4000	3750	4000	4030	3620	A-12-005	37°43'50.2305"N	122°22'10.4291"W
8/16/2006	15:33:21	6	50	5290	5020	5010	4630	4450	4270	4250	4580	3900	4590	4100	4150	A-12-005	37°43'50.2506"N	122°22'10.4774"W
8/16/2006	15:33:27	6	50	5020	5780	5780	5800	5260	5290	5580	5260	5450	5030	5170	4690	A-12-005	37°43'50.2830"N	122°22'10.4667"W
8/16/2006	15:33:33	6	50	5510	5970	5540	5640	5010	5750	4810	5440	5340	5050	5250	5380	A-12-005	37°43'50.3109"N	122°22'10.4417"W
8/16/2006	15:33:39	6	50	5150	5580	5010	5390	5090	5230	4950	5160	4830	5860	5090	5040	A-12-005	37°43'50.3371"N	122°22'10.4167"W
8/16/2006	15:33:45	6	50	4620	4740	4010	4730	3770	4000	4790	4520	4290	5000	5070	4310	A-12-005	37°43'50.3641"N	122°22'10.3919"W
8/16/2006	15:33:51	6	50	4350	4850	4210	4510	4050	4060	4360	4470	4190	4690	4360	4540	A-12-005	37°43'50.4464"N	122°22'10.3223"W
8/16/2006	15:33:57	6	50	4010	4680	4080	4200	4040	4030	4220	4210	4230	4110	4070	4120	A-12-005	37°43'50.4234"N	122°22'10.3451"W
8/16/2006	15:34:03	6	50	4560	4690	4560	4130	3820	4370	3960	3700	4210	4560	4360	4120	A-12-005	37°43'50.4625"N	122°22'10.3088"W
8/16/2006	15:34:09	6	50	4590	4550	4230	4160	4270	4440	4130	4610	3970	4490	4160	4410	A-12-005	37°43'50.4998"N	122°22'10.2767"W
8/16/2006	15:34:15	6	50	5500	6670	7060	5420	5860	6230	4670	5400	6310	5060	5150	5920	A-12-005	37°43'50.5360"N	122°22'10.2400"W
8/16/2006	15:34:21	6	50	5380	4400	5460	4640	4100	4770	4620	5170	5730	5520	6200	5620	A-12-005	37°43'50.5713"N	122°22'10.2090"W
8/16/2006	15:34:27	6	50	4360	4470	5040	4590	3910	4350	4270	4790	4700	4690	4720	5010	A-12-005	37°43'50.6062"N	122°22'10.1726"W
8/16/2006	15:34:33	6	50	4180	5040	4530	4390	4380	4200	4620	4370	4060	4610	4750	5080	A-12-005	37°43'50.6561"N	122°22'10.1288"W
8/16/2006	15:34:39	6	50	4500	5240	5040	4210	4890	4810	4560	4870	5050	4790	5000	4970	A-12-005	37°43'50.7025"N	122°22'10.0957"W
8/16/2006	15:34:45	6	50	5270	5220	4980	4720	4530	4470	4740	4940	4360	4340	4380	4630	A-12-005	37°43'50.7409"N	122°22'10.0676"W
8/16/2006	15:34:51	6	50	5770	5740	5450	5230	5170	5630	4970	5340	5810	5400	5250	5370	A-12-005	37°43'50.7756"N	122°22'10.0369"W
8/16/2006	15:34:57	6	50	4880	5160	4540	4570	4240	4240	4660	4270	4630	4980	4800	5430	A-12-005	37°43'50.8156"N	122°22'09.9947"W
8/16/2006	15:35:03	6	50	4100	4690	4580	4080	3870	4320	4590	4130	4470	4230	4230	4810	A-12-005	37°43'50.8644"N	122°22'09.9502"W
8/16/2006	15:35:09	6	50	4310	4360	4780	4440	4130	4860	4210	4690	4720	4640	4420	4450	A-12-005	37°43'50.8957"N	122°22'09.9190"W
8/16/2006	15:35:15	6	50	3980	4490	4140	4190	3710	4310	3790	4250	4180	4320	4190	4320	A-12-005	37°43'50.9396"N	122°22'09.8832"W
8/16/2006	15:35:21	6	50	4610	4350	4310	4340	3940	4020	3870	3930	3850	4530	4450	4400	A-12-005	37°43'50.9874"N	122°22'09.8411"W
8/16/2006	15:35:27	6	50	5440	5650	4900	5150	4490	4730	4320	4290	4690	4800	4450	4410	A-12-005	37°43'51.0274"N	122°22'09.8035"W
8/16/2006	15:35:33	6	50	5760	6240	6070	5780	5640	5590	5860	5390	5830	6250	5840	5710	A-12-005	37°43'51.0557"N	122°22'09.7735"W
8/16/2006	15:35:39	6	50	6300	6380	6340	6220	5860	5700	5890	5700	6080	6740	5920	5930	A-12-005	37°43'51.0877"N	122°22'09.7373"W
8/16/2006	15:35:45	6	50	6210	6440	6120	6180	5600	5930	5980	6360	5840	6240	6180	6350	A-12-005	37°43'51.1182"N	122°22'09.7128"W
8/16/2006	15:35:51	6	50	6800	6020	6260	6180	5550	6100	5730	5690	6270	6450	5930	6240	A-12-005	37°43'51.1585"N	122°22'09.6784"W
8/16/2006	15:35:57	6	50	6660	6340	6000	6230	5740	5910	6350	6070	6360	6510	6330	6060	A-12-005	37°43'51.1686"N	122°22'09.7559"W
8/16/2006	15:36:03	6	50	5340	5660	6220	5670	5030	5890	5170	5420	5920	5650	5750	5890	A-12-005	37°43'51.1295"N	122°22'09.7785"W
8/16/2006	15:36:09	6	50	5160	5470	5990	5180	5000	5910	5450	5680	5590	5790	5400	5660	A-12-005	37°43'51.0993"N	122°22'09.8028"W
8/16/2006	15:36:15	6	50	5600	6030	6250	6000	5630	6150	5030	5610	6290	5680	5680	6110	A-12-005	37°43'51.0660"N	122°22'09.8328"W
8/16/2006	15:36:21	6	50	4760	5390	5110	4980	5670	5150	5580	5480	5590	5570	5780	5750	A-12-005	37°43'51.0293"N	122°22'09.8675"W
8/16/2006	15:36:27	6	50	4740	5100	5220	4640	4740	4620	4730	4870	5150	5370	4990	5000	A-12-005	37°43'50.9975"N	122°22'09.8953"W
8/16/2006	15:36:33	6	50	3820	4650	4190	4270	3610	4210	4500	4210	3850	4900	4800	4230	A-12-005	37°43'50.9628"N	122°22'09.9241"W
8/16/2006	15:36:39	6	50	4100	4120	3870	4000	3870	3730	3710	3520	3920	4080	4300	3790	A-12-005	37°43'50.9286"N	122°22'09.9561"W

8/16/2006	15:36:45	6	50	3780	4350	4020	4250	3550	3700	3560	3720	3610	3960	4130	3380	A-12-005	37°43'50.8976"N	122°22'10.0146"W
8/16/2006	15:36:51	6	50	3600	4180	3460	3900	3570	3390	3890	3740	3460	4170	3940	3780	A-12-005	37°43'50.8491"N	122°22'10.0489"W
8/16/2006	15:36:57	6	50	3400	4490	4330	3910	3490	3780	3250	3710	3800	3930	3570	4030	A-12-005	37°43'50.7977"N	122°22'10.0889"W
8/16/2006	15:37:03	6	50	3730	4140	4070	4180	4010	4080	4000	4260	3820	4360	4310	4470	A-12-005	37°43'50.7569"N	122°22'10.1260"W
8/16/2006	15:37:09	6	50	4070	4950	4430	4200	4200	4370	4390	4260	4020	4220	4220	4420	A-12-005	37°43'50.7040"N	122°22'10.1664"W
8/16/2006	15:37:15	6	50	4370	4880	4210	4180	4290	4390	4280	4000	4450	4700	4230	4400	A-12-005	37°43'50.6656"N	122°22'10.1992"W
8/16/2006	15:42:21	6	50	4070	4960	4160	4280	3940	4100	4360	4480	4800	4320	4450	3920	A-12-005	37°43'50.6079"N	122°22'10.2434"W
8/16/2006	15:42:27	6	50	3790	4120	4330	3950	3250	4530	3360	3440	3910	4390	4080	4320	A-12-005	37°43'50.5601"N	122°22'10.2924"W
8/16/2006	15:42:33	6	50	5350	5720	5180	5880	4900	4580	4900	5160	4670	4230	4130	4110	A-12-005	37°43'50.5079"N	122°22'10.3353"W
8/16/2006	15:42:39	6	50	5750	5930	5610	5820	5630	5830	5940	5950	5330	6490	5510	5750	A-12-005	37°43'50.4694"N	122°22'10.3711"W
8/16/2006	15:42:45	6	50	4980	5110	5160	4750	4260	5690	4990	4280	4740	5790	4990	4520	A-12-005	37°43'50.4248"N	122°22'10.4146"W
8/16/2006	15:42:51	6	50	4430	4800	5170	4800	4360	5320	4750	4360	5040	5130	5020	5040	A-12-005	37°43'50.3803"N	122°22'10.4494"W
8/16/2006	15:42:57	6	50	5040	4540	4940	4700	4340	4940	4380	4630	5020	4910	4470	4960	A-12-005	37°43'50.3477"N	122°22'10.4716"W
8/16/2006	15:43:03	6	50	4430	4460	4090	4340	4080	4570	4460	4490	4530	4370	4580	4690	A-12-005	37°43'50.3280"N	122°22'10.4866"W
8/16/2006	15:43:09	6	50	4230	4050	4290	3850	4000	4130	4180	4580	3860	4710	4250	3900	A-12-005	37°43'50.2916"N	122°22'10.5098"W
8/16/2006	15:43:15	6	50	5740	6160	4670	5780	4810	4520	5190	4720	4290	5020	4070	4470	A-12-005	37°43'50.2613"N	122°22'10.5430"W
8/16/2006	15:43:21	6	50	4910	4900	4520	4730	3990	4180	4700	5090	4240	5560	5090	4480	A-12-005	37°43'50.2335"N	122°22'10.5563"W
8/16/2006	15:43:27	6	50	4630	5090	4920	4530	4130	4200	4650	4310	4250	5100	4240	4430	A-12-005	37°43'50.2052"N	122°22'10.6428"W
8/16/2006	15:43:33	6	50	5730	5460	4880	5190	4460	4460	4600	4290	4430	4880	4230	4500	A-12-005	37°43'50.2550"N	122°22'10.6115"W
8/16/2006	15:43:39	6	50	4310	4630	4630	5170	4040	4330	4760	4470	4290	5310	5130	4450	A-12-005	37°43'50.2953"N	122°22'10.5915"W
8/16/2006	15:43:45	6	50	3990	4060	4040	4270	3700	3570	4120	3860	3440	4830	3960	4030	A-12-005	37°43'50.3441"N	122°22'10.5417"W
8/16/2006	15:43:51	6	50	4850	4660	4990	4490	4290	4680	4380	4180	4240	4580	4400	4430	A-12-005	37°43'50.3932"N	122°22'10.4895"W
8/16/2006	15:43:57	6	50	5370	5010	4790	4780	4560	4480	4860	4980	4450	5540	5000	4530	A-12-005	37°43'50.4467"N	122°22'10.4450"W
8/16/2006	15:44:03	6	50	5250	5390	5260	5440	4890	5460	4990	5310	4970	5720	5010	4530	A-12-005	37°43'50.4967"N	122°22'10.4012"W
8/16/2006	15:44:09	6	50	4620	4430	4420	4630	4380	4680	4840	4660	4600	5530	4820	4980	A-12-005	37°43'50.5285"N	122°22'10.3715"W
8/16/2006	15:44:15	6	50	4040	4390	3860	4060	3720	4250	3910	4090	4330	4270	3870	4140	A-12-005	37°43'50.5829"N	122°22'10.3298"W
8/16/2006	15:47:24	6	50	4580	4640	4470	4810	4090	4270	5040	4410	4360	4800	4650	4390	A-12-005	37°43'50.5823"N	122°22'10.3270"W
8/16/2006	15:47:30	6	50	5970	5840	5960	6090	5550	5580	5500	5670	5360	5320	5300	5010	A-12-005	37°43'50.5571"N	122°22'10.3502"W
8/16/2006	15:47:36	6	50	5940	5880	5670	6140	5160	6290	5860	5770	6180	6270	5670	5870	A-12-005	37°43'50.5990"N	122°22'10.3092"W
8/16/2006	15:47:42	6	50	6400	6500	6380	6630	5400	6030	6280	5760	6070	6330	6300	5400	A-12-005	37°43'50.6421"N	122°22'10.2774"W
8/16/2006	15:47:48	6	50	6300	6080	6520	5980	5770	6060	6250	5970	6320	6200	6160	6190	A-12-005	37°43'50.6982"N	122°22'10.2228"W
8/16/2006	15:47:54	6	50	6650	6070	6240	6300	5510	6440	5880	6110	6440	6510	6320	5760	A-12-005	37°43'50.7403"N	122°22'10.1973"W
8/16/2006	15:48:00	6	50	6490	6640	6530	6610	5960	6760	6600	6070	5970	6380	6160	6030	A-12-005	37°43'50.7557"N	122°22'10.1685"W
8/16/2006	15:48:06	6	50	5940	6980	6150	7010	6150	6350	6140	6510	6290	6540	6450	6750	A-12-005	37°43'50.8348"N	122°22'10.1024"W
8/16/2006	15:48:12	6	50	5530	5040	4810	5790	4780	5070	5970	5110	5110	6200	5500	4770	A-12-005	37°43'50.8722"N	122°22'10.0612"W
8/16/2006	15:48:18	6	50	5010	5200	4710	4840	4270	4600	4570	4390	4180	5130	4730	4630	A-12-005	37°43'50.9180"N	122°22'10.0221"W
8/16/2006	15:48:24	6	50	5900	5610	5640	6130	5420	5710	5250	5690	5820	6470	5690	5700	A-12-005	37°43'50.9697"N	122°22'09.9805"W
8/16/2006	15:48:30	6	50	4610	5160	4820	5010	4300	4730	4730	4950	5050	5440	5130	5290	A-12-005	37°43'51.0094"N	122°22'09.9387"W
8/16/2006	15:48:36	6	50	4790	5240	4990	4830	4310	4730	4940	4600	4830	5240	4880	4530	A-12-005	37°43'51.0433"N	122°22'09.8954"W
8/16/2006	15:48:42	6	50	4130	4520	4350	4280	3930	4500	4380	4470	4610	5370	5010	5070	A-12-005	37°43'51.0702"N	122°22'09.8777"W
8/16/2006	15:48:48	6	50	4330	4490	3760	3970	4130	3880	3720	3860	4010	4440	3610	3870	A-12-005	37°43'51.0943"N	122°22'09.8587"W
8/16/2006	15:48:54	6	50	3540	4340	4110	3400	3570	3620	3730	3680	3870	4110	4120	3870	A-12-005	37°43'51.1126"N	122°22'09.8400"W
8/16/2006	15:49:00	6	50	3610	4370	3670	4040	3610	3780	3490	3450	3470	3850	3830	3640	A-12-005	37°43'51.1403"N	122°22'09.8153"W
8/16/2006	15:49:06	6	50	3980	4140	3410	3540	3300	3300	3860	3240	3530	3710	3890	3460	A-12-005	37°43'51.1312"N	122°22'09.9043"W
8/16/2006	15:49:12	6	50	4070	4400	4180	3550	3270	3550	3500	3970	3650	4560	3990	3860	A-12-005	37°43'51.0925"N	122°22'09.9382"W
8/16/2006	15:49:18	6	50	3700	4340	4250	3600	3460	3630	3650	3470	3800	4370	4010	4230	A-12-005	37°43'51.0499"N	122°22'09.9750"W
8/16/2006	15:49:24	6	50	4090	4320	4260	3820	3450	4180	4050	4190	3810	3740	4130	3680	A-12-005	37°43'51.0127"N	122°22'10.0096"W
8/16/2006	15:52:43	6	50	3680	4020	3600	3880	3480	3520	3650	3340	3880	3780	3660	3810	A-12-005	37°43'50.9838"N	122°22'10.0283"W
8/16/2006	15:52:49	6	50	4450	5530	5670	4730	4100	4370	4260	4200	3680	3880	4000	3820	A-12-005	37°43'50.9484"N	122°22'10.0682"W
8/16/2006	15:52:55	6	50	5400	5960	5750	6080	5620	5770	6070	6050	6110	5240	5520	5770	A-12-005	37°43'50.8977"N	122°22'10.1168"W
8/16/2006	15:53:01	6	50	4500	5200	5420	4550	4100	5210	4770	5140	5010	4780	4850	5210	A-12-005	37°43'50.8384"N	122°22'10.1632"W
8/16/2006	15:53:07	6	50	4110	4620	4130	4570	4070	3970	4210	4540	4880	4900	4990	4720	A-12-005	37°43'50.7928"N	122°22'10.2010"W
8/16/2006	15:53:13	6	50	3710	4290	4020	4670	3890	3960	3900	4660	4060	4350	4410	4350	A-12-005	37°43'50.7454"N	122°22'10.2423"W
8/16/2006	15:53:19	6	50	4400	4640	4080	4590	3710	3780	4030	4100	4230	4070	4270	4190	A-12-005	37°43'50.7084"N	122°22'10.2994"W
8/16/2006	15:53:25	6	50	5120	5130	4450	4550	3990	4350	4790	4080	4300	4670	4250	4050	A-12-005	37°43'50.6696"N	122°22'10.3182"W
8/16/2006	15:53:31	6	50	5170	6120	5520	5520	4790	4720	5360	5020	4890	5560	5240	5340	A-12-005	37°43'50.6348"N	122°22'10.3659"W
8/16/2006	15:53:37	6	50	5350	5950	5680	5210	5450	5350	5620	5540	5380	5780	4830	5580	A-12-005	37°43'50.5861"N	122°22'10.4013"W
8/16/2006	15:53:43	6	50	6000	6270	5950	6310	5650	5350	5160	5720	5180	6180	5540	5440	A-12-005	37°43'50.5331"N	122°22'10.4360"W
8/16/2006	15:53:49	6	50	5240	5420	4340	5460	4820	4610	5370	5210	4810	5760	5320	4780	A-12-005	37°43'50.4913"N	122°22'10.4726"W
8/16/2006	15:53:55	6	50	6180	6510	6270	6560	5970	5790	5990	6100	6170	6160	6440	6040	A-12-005	37°43'50.4502"N	122°22'10.5100"W
8/16/2006	15:54:01	6	50	5040	4720	4600	5410	4910	4670	5900	5700	5360	6500	6080	5810	A-12-005	37°43'50.4058"N	122°22'10.5512"W
8/16/2006	15:54:07	6	50	4250	4080	4140	4160	3800	3840	3810	3740	4290	4690	4270	4580	A-12-005	37°43'50.3600"N	122°22'10.5816"W
8/16/2006	15:54:13	6	50	4730	5430	4300	4240	4160	4510	4160	4340	4350	4400	4670	4330	A-12-005	37°43'50.3219"N	122°22'10.6150"W
8/16/2006	15:54:19	6	50	4740	5080	4950	4830	4590	4600	4930	4820	4640	5320	4630	4850	A-12-005	37°43'50.3014"N	122°22'10.6404"W
8/16/2006	15:54:25	6	50	5110	5310	5090	5300	4660	5100	4730	4910	4710	4980	4970	4950	A-12-005	37°43'50.2725"N	122°22'10.6663"W
8/16/2006	15:54:31	6	50	4210	4540	5030	4960	4830	5060	5240	5160	4900	5360	5470	5330	A-12-005	37°43'50.2474"N	122°22'10.6848"W

8/16/2006	15:54:37	6	50	5250	5910	6620	4940	5060	5800	4470	4510	5310	5040	4750	5330	A-12-005	37°43'50.2144"N	122°22'10.6988"W
8/16/2006	15:54:43	6	50	5330	6500	6070	6030	5740	6450	5820	5870	6340	6050	6100	6150	A-12-005	37°43'50.2230"N	122°22'10.7493"W
8/16/2006	15:54:49	6	50	5880	5850	5550	5440	5120	5750	5400	5350	5950	5630	5790	5470	A-12-005	37°43'50.2229"N	122°22'10.7519"W
8/16/2006	15:54:55	6	50	6300	6040	6520	5920	5780	6480	5720	5980	6010	6070	5860	5820	A-12-005	37°43'50.2574"N	122°22'10.7215"W
8/16/2006	15:55:01	6	50	6110	6380	6660	6310	5990	6250	6260	6310	6170	6500	6430	5740	A-12-005	37°43'50.2899"N	122°22'10.6939"W
8/16/2006	15:55:07	6	50	6680	6350	6090	6440	6060	6140	6690	6430	6340	6820	6510	6380	A-12-005	37°43'50.3323"N	122°22'10.6552"W
8/16/2006	15:55:13	6	50	6290	6190	6530	6100	5830	5850	6290	6130	6200	6280	6330	6350	A-12-005	37°43'50.3786"N	122°22'10.6105"W
8/16/2006	15:55:19	6	50	5180	5230	5310	5490	5110	5620	5420	6020	5500	6350	6040	6060	A-12-005	37°43'50.4556"N	122°22'10.5537"W
8/16/2006	15:55:25	6	50	6040	5900	5630	5520	5340	5940	5190	5110	5430	5210	5710	6390	A-12-005	37°43'50.5094"N	122°22'10.5108"W
8/16/2006	15:55:31	6	50	5580	5410	5500	6550	5570	5450	5650	5010	5080	5240	4810	4860	A-12-005	37°43'50.5568"N	122°22'10.4752"W
8/16/2006	15:55:37	6	50	4080	4300	4080	4280	4370	4190	4800	4390	4040	5140	4760	4270	A-12-005	37°43'50.5887"N	122°22'10.4314"W
8/16/2006	15:55:43	6	50	5060	4370	4260	4410	3510	4230	3790	4260	3870	4210	4510	4140	A-12-005	37°43'50.6410"N	122°22'10.3850"W
8/16/2006	15:55:49	6	50	5580	4580	4250	5370	4450	3890	5870	5520	4160	5940	5190	4780	A-12-005	37°43'50.6864"N	122°22'10.3493"W
8/16/2006	15:55:55	6	50	4080	4260	3800	5180	3920	4450	5130	4530	4480	5750	5490	4330	A-12-005	37°43'50.7353"N	122°22'10.2985"W
8/16/2006	15:56:01	6	50	3940	4460	4390	3990	3760	3790	3910	3710	3960	4560	3480	3670	A-12-005	37°43'50.7644"N	122°22'10.2683"W
8/16/2006	15:56:07	6	50	3870	4200	3650	4080	3550	3840	3970	3760	3820	4580	4120	4270	A-12-005	37°43'50.8005"N	122°22'10.2425"W
8/16/2006	15:56:13	6	50	3830	4500	3560	3680	3700	3470	3470	3710	3500	3660	4040	3560	A-12-005	37°43'50.8482"N	122°22'10.1984"W
8/16/2006	15:59:53	6	50	4670	5190	5510	4540	4440	5060	5050	5200	5320	5010	5410	5600	A-12-005	37°43'50.8850"N	122°22'10.1651"W
8/16/2006	15:59:59	6	50	4990	5220	4570	5010	4360	4560	4980	4590	4390	4700	5020	5010	A-12-005	37°43'50.9187"N	122°22'10.1343"W
8/16/2006	16:00:05	6	50	5200	5040	4880	5680	4960	4410	5150	4990	4640	5420	4820	4850	A-12-005	37°43'50.9488"N	122°22'10.1049"W
8/16/2006	16:00:11	6	50	4260	4250	4320	4420	4360	3750	4290	3760	4180	4530	4200	3980	A-12-005	37°43'50.9800"N	122°22'10.0829"W
8/16/2006	16:00:17	6	50	4600	4810	4860	4460	4080	4040	4250	3890	3840	4380	4220	4120	A-12-005	37°43'51.0004"N	122°22'10.0689"W
8/16/2006	16:00:23	6	50	5540	5440	5010	5000	4400	4160	4040	4690	4170	4670	4130	4200	A-12-005	37°43'51.0301"N	122°22'10.0402"W
8/16/2006	16:00:29	6	50	6140	6420	5880	6430	5710	5460	5570	5580	5240	6040	6090	5460	A-12-005	37°43'51.0471"N	122°22'10.0185"W
8/16/2006	16:00:35	6	50	5950	6520	6210	5890	6260	5600	6060	6530	6290	6360	5960	5560	A-12-005	37°43'51.0787"N	122°22'09.9990"W
8/16/2006	16:00:41	6	50	6370	6270	6460	6820	6350	6120	6300	5800	6020	6720	5810	5810	A-12-005	37°43'51.1046"N	122°22'09.9629"W
8/16/2006	16:00:47	6	50	6390	6050	6360	6440	6120	6410	6570	6260	6170	6270	6570	6430	A-12-005	37°43'51.1233"N	122°22'09.9512"W
8/16/2006	16:00:53	6	50	6110	6260	6180	6240	5550	6100	6140	5530	5930	6410	6060	6350	A-12-005	37°43'51.0795"N	122°22'10.0743"W
8/16/2006	16:00:59	6	50	4270	4670	4240	4560	4190	4370	4750	4630	4440	5600	4690	4260	A-12-005	37°43'51.0485"N	122°22'10.0957"W
8/16/2006	16:01:05	6	50	4470	5290	5070	4580	4270	4580	4460	4210	4420	5030	4270	4710	A-12-005	37°43'51.0191"N	122°22'10.1361"W
8/16/2006	16:01:11	6	50	5790	5600	5080	5110	4660	4900	4890	4810	4380	4700	4790	4670	A-12-005	37°43'50.9808"N	122°22'10.1595"W
8/16/2006	16:01:17	6	50	4720	4740	4750	4650	4040	4790	4720	4220	3860	4530	4530	4720	A-12-005	37°43'50.9331"N	122°22'10.1986"W
8/16/2006	16:01:23	6	50	5710	6520	6310	5550	5330	5290	5010	5410	5750	5300	4940	5260	A-12-005	37°43'50.9044"N	122°22'10.2255"W
8/16/2006	16:01:29	6	50	6210	6640	6210	6020	5460	5390	6180	5330	5630	6140	5790	5900	A-12-005	37°43'50.8510"N	122°22'10.2763"W
8/16/2006	16:01:35	6	50	6120	6820	6540	6580	6170	6020	5920	5710	6430	6750	6170	6330	A-12-005	37°43'50.8072"N	122°22'10.3127"W
8/16/2006	16:01:41	6	50	5980	5920	6510	5840	5830	6520	6270	5970	6010	6170	5860	6400	A-12-005	37°43'50.7634"N	122°22'10.3533"W
8/16/2006	16:01:47	6	50	4160	5290	4950	5050	4290	4470	5260	5070	5020	5350	5510	5120	A-12-005	37°43'50.7263"N	122°22'10.3919"W
8/16/2006	16:01:53	6	50	4550	5110	4430	4190	3690	4990	4240	4050	4560	4250	3920	4850	A-12-005	37°43'50.6871"N	122°22'10.4354"W
8/16/2006	16:01:59	6	50	6380	6200	6290	6320	5970	5870	5880	5500	6180	5730	5860	6150	A-12-005	37°43'50.6528"N	122°22'10.4597"W
8/16/2006	16:02:05	6	50	4550	4990	3970	4630	4050	4310	4940	5010	4250	5970	5380	5320	A-12-005	37°43'50.6171"N	122°22'10.4909"W
8/16/2006	16:02:11	6	50	5850	5820	5770	5150	5150	5120	5410	5390	4710	5270	5090	4740	A-12-005	37°43'50.5832"N	122°22'10.5148"W
8/16/2006	16:02:17	6	50	6560	6540	6310	6230	6260	6590	6440	6240	6510	6300	5490	5770	A-12-005	37°43'50.5438"N	122°22'10.5473"W
8/16/2006	16:02:23	6	50	4950	5350	5230	5600	4830	4680	5860	5250	6050	6520	5610	5750	A-12-005	37°43'50.5058"N	122°22'10.5792"W
8/16/2006	16:06:53	6	50	6030	5950	6040	6150	5700	5790	6330	5630	5990	6240	5630	5320	A-12-005	37°43'50.4656"N	122°22'10.6013"W
8/16/2006	16:06:59	6	50	5530	5820	5470	5800	4940	4850	5730	5660	5860	6430	6230	5770	A-12-005	37°43'50.4326"N	122°22'10.6358"W
8/16/2006	16:07:05	6	50	4060	4460	3950	4210	4190	3880	4930	4510	3940	5220	5390	4580	A-12-005	37°43'50.3929"N	122°22'10.6685"W
8/16/2006	16:07:11	6	50	4860	4590	4470	4190	4130	3920	4040	4320	3990	4330	4030	3860	A-12-005	37°43'50.3599"N	122°22'10.7097"W
8/16/2006	16:07:17	6	50	5970	6110	6090	5990	5550	5430	5190	4930	4960	4910	5110	4700	A-12-005	37°43'50.3301"N	122°22'10.7397"W
8/16/2006	16:07:23	6	50	6470	6740	6400	6600	6150	6390	6150	6240	6270	7030	6840	6220	A-12-005	37°43'50.2949"N	122°22'10.7661"W
8/16/2006	16:07:29	6	50	6010	6570	6200	5730	5980	6040	6010	6270	6460	6780	6560	6440	A-12-005	37°43'50.2702"N	122°22'10.7924"W
8/16/2006	16:07:35	6	50	5900	6610	6160	5640	5930	6630	4880	5040	5920	5040	5270	5800	A-12-005	37°43'50.2401"N	122°22'10.8293"W
8/16/2006	16:07:41	6	50	6250	6850	5960	6400	6320	5970	6030	5970	6710	6660	6400	6280	A-12-005	37°43'50.2139"N	122°22'10.8601"W
8/16/2006	16:07:47	6	50	5390	5040	4950	5290	4440	4580	4940	4820	4740	5750	4900	4960	A-12-005	37°43'50.2042"N	122°22'10.8686"W
8/16/2006	16:07:53	6	50	5940	6370	6300	6230	5780	5690	6110	5850	6520	6800	6380	6170	A-12-005	37°43'50.1887"N	122°22'10.8821"W
8/16/2006	16:07:59	6	50	4470	5220	5310	4910	5140	5680	5430	5440	5970	6440	5790	5710	A-12-005	37°43'50.2502"N	122°22'10.8894"W
8/16/2006	16:08:05	6	50	5130	4460	4110	4480	4140	4290	4650	4480	4700	5090	5100	4920	A-12-005	37°43'50.2729"N	122°22'10.8645"W
8/16/2006	16:08:11	6	50	5530	5600	4430	5050	4710	4310	5220	4330	4480	5640	4660	4290	A-12-005	37°43'50.3056"N	122°22'10.8331"W
8/16/2006	16:08:17	6	50	5410	4770	4570	5560	5050	4970	6010	5360	4700	5540	4980	4860	A-12-005	37°43'50.3337"N	122°22'10.8068"W
8/16/2006	16:08:23	6	50	4830	5360	5510	4810	4630	5330	4680	4630	5210	5070	4850	5020	A-12-005	37°43'50.3586"N	122°22'10.7786"W
8/16/2006	16:08:29	6	50	5170	5520	5230	4920	4840	4820	4460	4380	4270	4760	4590	5160	A-12-005	37°43'50.4000"N	122°22'10.7528"W
8/16/2006	16:08:35	6	50	5920	6420	6550	6610	6750	6430	6230	6030	6280	6040	6380	6160	A-12-005	37°43'50.4215"N	122°22'10.7347"W
			Maximum:	7120	7050	7220	7010	6750	6960	6840	6750	7130	7090	6840	6980			
			Std Dev:	838.7	782.3	846.5	840.9	810.3	823.5	809.1	787.8	828.1	810.8	769.2	770.5			
			Average:	5140.7	5363.3	5209.0	5155.6	4800.0	5032.1	5018.3	5024.9	5087.3	5328.9	5143.6	5111.8			
			3 σ Investigation Level:	7194.2	7058.9	7230.0	7020.5	7025.2	7150.9	7291.9	7026.5	7248.2	7118.6	7014.7	7069.7			

OVERBURDEN UNIT 53

GAMMA SCAN DATA

DATE	TIME	COUNT TIME (Seconds)	OUTPUTTIME	CHANNEL1	CHANNEL2	CHANNEL3	CHANNEL4	CHANNEL5	CHANNEL6	CHANNEL7	CHANNEL8	CHANNEL9	CHANNEL10	CHANNEL11	CHANNEL12	Pad #	LATITUDE	LONGITUDE
8/21/2006	13:53:10	6	50	5070	5280	5110	4640	4170	4890	4960	4890	4670	5800	5510	5280	A-7-005	37°43'52.8223"N	122°22'10.7250"W
8/21/2006	13:53:16	6	50	5290	4930	5200	5030	4510	4830	4700	5040	4490	5070	4800	5200	A-7-005	37°43'52.8393"N	122°22'10.7057"W
8/21/2006	13:53:22	6	50	5610	5330	5040	5180	4860	4890	5300	5190	5060	5830	5540	5070	A-7-005	37°43'52.9045"N	122°22'10.6381"W
8/21/2006	13:53:28	6	50	7050	6920	6130	7600	5850	5970	6320	6780	6200	6650	6420	6200	A-7-005	37°43'53.0017"N	122°22'10.5560"W
8/21/2006	13:53:34	6	50	6630	6720	6930	6570	6500	6110	6990	6530	5960	7160	6610	5900	A-7-005	37°43'53.0379"N	122°22'10.5228"W
8/21/2006	13:53:40	6	50	5720	6490	6190	5770	6110	6030	5880	6210	6350	6720	6300	6430	A-7-005	37°43'53.0778"N	122°22'10.4868"W
8/21/2006	13:53:46	6	50	5390	5700	5920	5590	4940	5500	4990	5690	5880	5950	5450	5970	A-7-005	37°43'53.1186"N	122°22'10.4449"W
8/21/2006	13:53:52	6	50	6850	6610	6520	6640	5910	6520	6330	6390	6460	6650	6300	6300	A-7-005	37°43'53.1767"N	122°22'10.3967"W
8/21/2006	13:53:58	6	50	7360	5930	6720	6350	6840	6600	6610	6560	6760	6880	6370	6500	A-7-005	37°43'53.2322"N	122°22'10.3498"W
8/21/2006	13:54:04	6	50	6280	6390	6580	6620	6180	6380	6630	6510	6550	7200	6890	6570	A-7-005	37°43'53.2853"N	122°22'10.2995"W
8/21/2006	13:54:10	6	50	7010	7280	6780	7100	6380	7110	6850	6590	6180	6730	6660	5980	A-7-005	37°43'53.3506"N	122°22'10.2611"W
8/21/2006	13:54:16	6	50	6510	6600	5890	6770	6080	6190	6750	7020	6660	7040	7200	6450	A-7-005	37°43'53.3834"N	122°22'10.2268"W
8/21/2006	13:54:22	6	50	6440	6420	6430	6180	5830	5730	6000	5400	5570	6220	6140	5780	A-7-005	37°43'53.4278"N	122°22'10.1886"W
8/21/2006	13:54:28	6	50	6760	6750	6540	6490	6070	6130	6630	6220	6500	6490	6520	5980	A-7-005	37°43'53.4677"N	122°22'10.1528"W
8/21/2006	13:54:34	6	50	6880	6570	6300	7030	6310	6370	6170	6880	6630	6770	6250	6080	A-7-005	37°43'53.4963"N	122°22'10.1248"W
8/21/2006	13:54:40	6	50	6820	6520	6690	7140	5410	6140	6060	5810	5770	6540	5750	5880	A-7-005	37°43'53.5531"N	122°22'10.2004"W
8/21/2006	13:54:46	6	50	7030	6510	5510	6320	5580	6170	5950	5580	6060	6860	6090	6040	A-7-005	37°43'53.5663"N	122°22'10.2611"W
8/21/2006	13:54:52	6	50	6010	6350	6590	6290	5770	5930	5940	5610	5580	6370	5390	5880	A-7-005	37°43'53.5901"N	122°22'10.3333"W
8/21/2006	13:54:58	6	50	5810	6930	7070	6070	5650	6160	6450	6500	6710	6600	6130	5900	A-7-005	37°43'53.5845"N	122°22'10.4078"W
8/21/2006	13:55:04	6	50	5910	5980	5690	6090	5810	5570	5990	6060	6110	6280	6320	6220	A-7-005	37°43'53.5818"N	122°22'10.4952"W
8/21/2006	13:55:10	6	50	5300	5540	5870	5670	4880	5780	5170	5570	5720	5780	5630	5440	A-7-005	37°43'53.5818"N	122°22'10.5690"W
8/21/2006	13:55:16	6	50	4960	4370	4900	4550	4030	5430	4650	4890	5240	5340	5070	5390	A-7-005	37°43'53.5834"N	122°22'10.6206"W
8/21/2006	13:55:22	6	50	4640	4970	5410	4630	4150	5110	4080	3970	4660	4030	4550	4900	A-7-005	37°43'53.5823"N	122°22'10.6883"W
8/21/2006	13:55:28	6	50	4720	4720	4850	4580	4000	4880	4600	4760	5400	4850	4700	4900	A-7-005	37°43'53.5784"N	122°22'10.7523"W
8/21/2006	13:55:34	6	50	4210	4610	5000	4980	4400	4980	4280	4060	5140	4720	5010	5080	A-7-005	37°43'53.5730"N	122°22'10.8198"W
8/21/2006	13:55:40	6	50	4910	4840	4680	4830	4550	5060	4900	4980	5420	4500	5090	4840	A-7-005	37°43'53.5742"N	122°22'10.8709"W
8/21/2006	13:55:46	6	50	4700	5350	5130	4690	3850	4370	4900	4760	4050	5190	4970	4640	A-7-005	37°43'53.5697"N	122°22'10.9169"W
8/21/2006	13:55:52	6	50	5650	5910	5820	5350	5340	5110	4950	5100	5270	5520	5160	5320	A-7-005	37°43'53.5707"N	122°22'10.9708"W
8/21/2006	13:55:58	6	50	5180	6070	5760	5140	5010	5470	5480	5530	5520	5450	5600	5580	A-7-005	37°43'53.5693"N	122°22'11.0565"W
8/21/2006	13:56:04	6	50	5260	5930	5450	5510	5420	5140	5440	5740	5750	5630	5590	5460	A-7-005	37°43'53.5645"N	122°22'11.1236"W
8/21/2006	13:56:10	6	50	5230	5470	5780	5140	5370	5500	5350	5130	5330	5330	5000	5000	A-7-005	37°43'53.5561"N	122°22'11.1776"W
8/21/2006	13:56:16	6	50	5950	6040	6120	6230	5150	5340	5350	4860	4980	5850	5420	5690	A-7-005	37°43'53.5194"N	122°22'11.2344"W
8/21/2006	13:56:22	6	50	5810	5610	5150	5680	5160	5400	5360	5610	5610	6220	5350	5750	A-7-005	37°43'53.4848"N	122°22'11.2877"W
8/21/2006	13:56:28	6	50	5270	5650	5290	6120	4700	4890	4920	5350	5120	5520	5050	5300	A-7-005	37°43'53.4544"N	122°22'11.3211"W
8/21/2006	13:56:34	6	50	5510	5330	5790	5230	4950	5100	5140	5350	5250	5580	5030	5110	A-7-005	37°43'53.4156"N	122°22'11.3557"W
8/21/2006	13:56:40	6	50	5180	5230	5850	5210	5440	5290	4620	5300	5190	5100	5330	5760	A-7-005	37°43'53.3715"N	122°22'11.3950"W
8/21/2006	13:56:46	6	50	5160	5360	5070	4900	5020	5660	4650	4530	5280	5270	5390	5210	A-7-005	37°43'53.3245"N	122°22'11.4388"W
8/21/2006	13:56:52	6	50	5080	5480	5490	5220	5000	5710	5260	5470	4890	5440	5190	5500	A-7-005	37°43'53.2854"N	122°22'11.4769"W
8/21/2006	13:56:58	6	50	5140	5850	5550	4770	4740	5180	4910	4690	5110	5370	5110	5570	A-7-005	37°43'53.2550"N	122°22'11.5097"W
8/21/2006	13:57:04	6	50	5400	6070	6020	5460	5050	5370	5140	5320	5480	5320	5050	5150	A-7-005	37°43'53.2118"N	122°22'11.5419"W
8/21/2006	13:57:10	6	50	4120	4270	4080	4220	3740	3710	3870	3880	4040	4490	4810	4080	A-7-005	37°43'52.9685"N	122°22'11.7424"W
8/21/2006	13:57:16	6	50	4500	4410	4250	4250	3750	4150	4100	3860	3650	4310	4110	3840	A-7-005	37°43'52.9169"N	122°22'11.7860"W
8/21/2006	13:57:22	6	50	4030	4130	3890	4190	3520	3830	3810	3830	3880	4310	4210	4260	A-7-005	37°43'52.8707"N	122°22'11.8262"W
8/21/2006	13:57:28	6	50	5010	4810	3910	4470	3400	3720	4340	4360	3710	4460	4320	4030	A-7-005	37°43'52.8156"N	122°22'11.8725"W
8/21/2006	13:57:34	6	50	3620	4090	3970	4200	3620	4200	4250	3670	3920	4610	3920	3790	A-7-005	37°43'52.7603"N	122°22'11.9165"W
8/21/2006	13:57:40	6	50	5560	5130	4490	4710	3860	3710	3710	3570	4010	4440	3990	3870	A-7-005	37°43'52.7003"N	122°22'11.9427"W
8/21/2006	13:57:46	6	50	6600	7040	6950	6230	6050	6410	6190	6260	5710	6730	5870	5120	A-7-005	37°43'52.6645"N	122°22'11.9506"W
8/21/2006	14:06:27	6	50	5240	5920	5730	4790	5710	5850	4940	5920	6290	5290	5960	6190	A-7-005	37°43'52.7419"N	122°22'11.8387"W
8/21/2006	14:06:33	6	50	6280	6240	6490	6330	5570	6090	5680	6340	6140	5530	6200	5650	A-7-005	37°43'52.7482"N	122°22'11.7819"W
8/21/2006	14:06:39	6	50	6620	6530	6470	6750	6340	6490	7030	6730	6660	7160	6510	6890	A-7-005	37°43'52.7425"N	122°22'11.7279"W
8/21/2006	14:06:45	6	50	6860	6570	6760	6650	6380	6470	6500	6490	6560	7240	6480	6560	A-7-005	37°43'52.7489"N	122°22'11.6535"W
8/21/2006	14:06:51	6	50	6760	6690	6410	7320	6110	6760	6720	6730	6670	6980	7180	6910	A-7-005	37°43'52.7671"N	122°22'11.5770"W
8/21/2006	14:06:57	6	50	5810	6280	5960	5980	5980	5790	6150	6340	6070	6570	6370	6670	A-7-005	37°43'52.7607"N	122°22'11.5182"W
8/21/2006	14:07:03	6	50	5780	6610	5480	6100	5440	5560	5680	5640	5560	6180	5740	6100	A-7-005	37°43'52.7651"N	122°22'11.4315"W
8/21/2006	14:07:09	6	50	5600	5930	6220	5860	5540	6530	5580	6050	6470	5970	5820	6560	A-7-005	37°43'52.7836"N	122°22'11.3403"W
8/21/2006	14:07:15	6	50	5510	5290	5880	5090	4530	5500	5400	5080	5660	5610	5820	6510	A-7-005	37°43'52.7761"N	122°22'11.2943"W
8/21/2006	14:07:21	6	50	5450	6150	6180	5970	5630	6100	5170	5350	5560	5400	5150	5550	A-7-005	37°43'52.7883"N	122°22'11.2327"W
8/21/2006	14:07:27	6	50	6370	5950	5770	5950	5310	5940	6570	5650	5780	6440	6200	6410	A-7-005	37°43'52.7798"N	122°22'11.1940"W
8/21/2006	14:07:33	6	50	6390	6340	6300	6220	5400	6100	6000	5450	5820	6210	6070	5510	A-7-005	37°43'52.7856"N	122°22'11.0989"W
8/21/2006	14:07:39	6	50	6980	6410	6250	6170	5690	5890	5950	6150	5910	6670	6010	6180	A-7-005	37°43'52.7986"N	122°22'11.0133"W
8/21/2006	14:07:45	6	50	6580	6340	6250	6920	5560	5930	6570	6500	6070	6220	6040	6170	A-7-005	37°43'52.7896"N	122°22'10.9497"W
8/21/2006	14:07:51	6	50	7070	6880	6910	7120	6100	6580	6350	6280	6410	6690	6410	5850	A-7-005	37°43'52.8281"N	122°22'10.8778"W

8/21/2006	14:07:57	6	50	6840	6900	6350	6780	6220	5720	6570	6690	6120	6910	6650	6410	A-7-005	37°43'52.8732"N 122°22'10.8093"W
8/21/2006	14:08:03	6	50	6160	5860	5850	6390	5870	5780	6670	6040	6030	6710	6770	6470	A-7-005	37°43'52.9168"N 122°22'10.7581"W
8/21/2006	14:08:09	6	50	5610	6170	5730	5510	5220	5220	5230	5110	5770	6350	5860	5820	A-7-005	37°43'52.9577"N 122°22'10.7164"W
8/21/2006	14:08:15	6	50	6560	6640	6550	6840	6080	6170	6400	6410	6210	5570	6080	6000	A-7-005	37°43'52.9991"N 122°22'10.6752"W
8/21/2006	14:08:21	6	50	6430	7040	7440	6310	6000	7390	6250	6630	6750	6280	6400	6400	A-7-005	37°43'53.0583"N 122°22'10.6204"W
8/21/2006	14:08:27	6	50	5960	6070	6280	6630	5850	6110	6480	6740	6530	6850	6930	7250	A-7-005	37°43'53.1197"N 122°22'10.5656"W
8/21/2006	14:08:33	6	50	4990	5800	5720	5570	4960	5620	5810	5530	5110	5420	5290	5000	A-7-005	37°43'53.1703"N 122°22'10.5146"W
8/21/2006	14:08:39	6	50	6560	6810	6150	5940	6010	6500	5980	5990	5410	5890	5650	5530	A-7-005	37°43'53.2076"N 122°22'10.4787"W
8/21/2006	14:08:45	6	50	6700	7040	6930	6520	6270	6550	6500	6620	6750	7440	6900	6340	A-7-005	37°43'53.2556"N 122°22'10.4302"W
8/21/2006	14:08:51	6	50	6670	6720	7170	6470	6000	6210	6700	6960	6490	7100	6890	6600	A-7-005	37°43'53.2967"N 122°22'10.3931"W
8/21/2006	14:08:57	6	50	7250	6890	7340	6650	6840	6760	7040	6350	6820	6980	7030	6400	A-7-005	37°43'53.3471"N 122°22'10.3485"W
8/21/2006	14:09:03	6	50	6640	6810	6550	6730	5910	6500	6700	6910	6170	6830	6880	7040	A-7-005	37°43'53.3951"N 122°22'10.3066"W
8/21/2006	14:09:09	6	50	6680	7060	6970	6150	6180	6770	6440	6150	6800	6950	6650	6840	A-7-005	37°43'53.4474"N 122°22'10.2704"W
8/21/2006	14:09:15	6	50	6730	7010	6630	6890	6070	6870	6560	6680	5980	6950	7010	6930	A-7-005	37°43'53.4988"N 122°22'10.2370"W
8/21/2006	14:09:21	6	50	7200	6790	6410	6660	6030	6260	6700	6220	6250	6430	6080	6330	A-7-005	37°43'53.4926"N 122°22'10.3379"W
8/21/2006	14:09:27	6	50	6340	6470	6670	6070	5640	6030	5830	6380	6320	6260	5730	6410	A-7-005	37°43'53.4960"N 122°22'10.4094"W
8/21/2006	14:09:33	6	50	5730	6050	6100	5700	5880	5870	6150	5820	5940	6300	5720	5680	A-7-005	37°43'53.4977"N 122°22'10.4879"W
8/21/2006	14:09:39	6	50	5370	5210	5170	5280	5040	5270	5500	5240	5270	5880	5520	5700	A-7-005	37°43'53.5023"N 122°22'10.5638"W
8/21/2006	14:09:45	6	50	4260	4710	4530	4200	3950	4220	4580	4690	4580	4810	4460	4420	A-7-005	37°43'53.5024"N 122°22'10.6283"W
8/21/2006	14:09:51	6	50	4440	4910	4150	4270	4170	4460	3900	4250	4350	4530	4540	4750	A-7-005	37°43'53.5012"N 122°22'10.6844"W
8/21/2006	14:09:57	6	50	5240	5110	4470	4620	4150	4690	4350	4620	5010	4690	4470	4380	A-7-005	37°43'53.4982"N 122°22'10.7305"W
8/21/2006	14:10:03	6	50	5110	4610	4800	5330	4560	4860	4550	4380	4680	5100	4660	4770	A-7-005	37°43'53.4946"N 122°22'10.7985"W
8/21/2006	14:10:09	6	50	4920	5010	4400	5100	4160	4460	5160	4240	4610	5040	4660	4040	A-7-005	37°43'53.4943"N 122°22'10.8478"W
8/21/2006	14:10:15	6	50	5370	5310	5570	5120	4460	5000	4980	4620	4560	5470	4840	4520	A-7-005	37°43'53.4920"N 122°22'10.9223"W
8/21/2006	14:10:21	6	50	5870	6100	5390	5380	5030	5420	5520	5510	5030	5970	5280	5110	A-7-005	37°43'53.4854"N 122°22'11.0027"W
8/21/2006	14:10:27	6	50	5250	5620	5050	5880	5270	5520	5600	5090	5350	5860	5380	5270	A-7-005	37°43'53.4735"N 122°22'11.0664"W
8/21/2006	14:10:33	6	50	5260	5530	5060	5470	4730	4910	5640	5430	5310	5760	5050	5070	A-7-005	37°43'53.4582"N 122°22'11.1098"W
8/21/2006	14:10:39	6	50	5610	5610	5450	5740	5090	5290	5380	5450	5510	5270	5660	5560	A-7-005	37°43'53.4335"N 122°22'11.1578"W
8/21/2006	14:10:45	6	50	5980	5720	5590	5430	5530	5450	5340	5480	5360	6060	5510	5450	A-7-005	37°43'53.3948"N 122°22'11.2128"W
8/21/2006	14:10:51	6	50	6100	5680	5180	5950	5290	5270	4990	4970	5440	5980	5500	5450	A-7-005	37°43'53.3732"N 122°22'11.2393"W
8/21/2006	14:10:57	6	50	6390	6240	5500	5820	5560	5730	6030	5840	5770	6690	6220	5630	A-7-005	37°43'53.3276"N 122°22'11.2988"W
8/21/2006	14:11:03	6	50	4490	5230	4640	5060	4640	4820	5480	5270	5260	5580	5500	5550	A-7-005	37°43'53.2575"N 122°22'11.3693"W
8/21/2006	14:11:09	6	50	3800	3890	3560	4520	3580	4030	4160	4040	4150	4830	4520	4380	A-7-005	37°43'53.2108"N 122°22'11.4182"W
8/21/2006	14:11:15	6	50	4290	4640	4550	4310	3380	4430	4090	4100	3970	4170	4200	3980	A-7-005	37°43'53.2103"N 122°22'11.4312"W
8/21/2006	14:11:21	6	50	3660	3640	3470	3610	3160	3750	3580	3560	4050	4230	3920	3920	A-7-005	37°43'53.1353"N 122°22'11.5062"W
8/21/2006	14:11:27	6	50	5020	4990	5290	4460	4440	5180	3520	4130	4480	3950	3660	4320	A-7-005	37°43'53.1330"N 122°22'11.5290"W
8/21/2006	14:11:33	6	50	4050	4620	4510	4370	3930	4060	4270	4060	4190	5080	4400	4130	A-7-005	37°43'52.9132"N 122°22'11.7211"W
8/21/2006	14:11:39	6	50	4490	4480	3960	4040	3440	4130	4180	3850	4010	4160	4390	3980	A-7-005	37°43'52.8680"N 122°22'11.7558"W
8/21/2006	14:11:45	6	50	6300	5520	4830	6330	5210	4580	6070	5350	4530	5560	5000	4450	A-7-005	37°43'52.8202"N 122°22'11.7922"W
8/21/2006	14:11:51	6	50	6320	6680	6060	6830	5850	5440	6520	5450	4560	6330	5440	4380	A-7-005	37°43'52.7847"N 122°22'11.8220"W
8/21/2006	14:11:57	6	50	6450	6040	5950	7030	5630	5260	6830	6130	5650	6940	6490	6310	A-7-005	37°43'52.7616"N 122°22'11.8433"W
8/21/2006	14:12:03	6	50	5360	5620	4740	5450	4400	4510	4950	4890	4870	6070	5250	4750	A-7-005	37°43'52.6859"N 122°22'11.8921"W
8/21/2006	14:17:56	6	50	6110	6700	6020	6450	5750	6550	6100	6130	6230	6610	6310	6090	A-7-005	37°43'52.6910"N 122°22'11.7966"W
8/21/2006	14:18:02	6	50	6810	6500	6280	6680	6140	6050	7000	6340	6320	6700	6780	6330	A-7-005	37°43'52.6964"N 122°22'11.7208"W
8/21/2006	14:18:08	6	50	6740	6630	6740	6810	6260	6590	6560	6370	6750	6780	6450	6590	A-7-005	37°43'52.7003"N 122°22'11.6675"W
8/21/2006	14:18:14	6	50	6820	6880	7410	7030	6510	6710	7150	6420	6590	6370	6640	6470	A-7-005	37°43'52.7159"N 122°22'11.5985"W
8/21/2006	14:18:20	6	50	6370	6110	6930	7190	5800	6300	6970	6770	6430	6810	6770	6130	A-7-005	37°43'52.7244"N 122°22'11.5322"W
8/21/2006	14:18:26	6	50	6520	6190	6210	5720	5750	5960	6100	6420	6430	6160	5840	6440	A-7-005	37°43'52.7198"N 122°22'11.4718"W
8/21/2006	14:18:32	6	50	6720	7540	6960	6550	5870	6350	6250	6570	6310	6740	6610	6870	A-7-005	37°43'52.7261"N 122°22'11.3933"W
8/21/2006	14:18:38	6	50	6450	7110	6600	6620	6180	7070	6830	6990	6910	6910	6750	6940	A-7-005	37°43'52.7274"N 122°22'11.3270"W
8/21/2006	14:18:44	6	50	6300	6940	6940	6910	6110	6760	6170	6190	6640	6700	6550	6820	A-7-005	37°43'52.7293"N 122°22'11.2789"W
8/21/2006	14:18:50	6	50	5380	6090	5600	5670	5550	5660	6030	5920	6040	6390	6510	6940	A-7-005	37°43'52.7328"N 122°22'11.2101"W
8/21/2006	14:18:56	6	50	5580	5790	5590	5620	5170	5800	6000	5650	5790	5940	5640	5440	A-7-005	37°43'52.7352"N 122°22'11.1464"W
8/21/2006	14:19:02	6	50	5600	5500	5560	5740	4790	5990	5940	5440	5690	6050	5810	5740	A-7-005	37°43'52.7363"N 122°22'11.0833"W
8/21/2006	14:19:08	6	50	5600	5620	5640	5550	4840	5200	5780	5630	5660	5650	5610	5620	A-7-005	37°43'52.7408"N 122°22'11.0324"W
8/21/2006	14:19:14	6	50	6170	5930	6420	6220	5070	5880	5620	5800	5910	6320	5800	5940	A-7-005	37°43'52.7483"N 122°22'10.9702"W
8/21/2006	14:19:20	6	50	5800	5580	5560	6040	5310	6030	5620	5530	5810	6350	5870	5930	A-7-005	37°43'52.7771"N 122°22'10.8979"W
8/21/2006	14:19:26	6	50	6060	6250	6220	6550	5800	6080	6140	5980	6020	6360	5650	6570	A-7-005	37°43'52.8012"N 122°22'10.8358"W
8/21/2006	14:19:32	6	50	5110	5350	5120	5540	4550	5180	4960	5460	5010	5590	5560	4910	A-7-005	37°43'52.8307"N 122°22'10.7889"W
8/21/2006	14:19:38	6	50	5590	5480	5680	5430	4560	5260	5880	5020	5100	5680	4860	5450	A-7-005	37°43'52.8703"N 122°22'10.7445"W
8/21/2006	14:19:44	6	50	5590	6160	5820	5920	4850	5670	5720	5360	5400	6170	5880	5480	A-7-005	37°43'52.8980"N 122°22'10.7149"W
8/21/2006	14:19:50	6	50	5570	5680	5400	5610	5210	5330	5450	4970	5580	5930	6230	5440	A-7-005	37°43'52.9414"N 122°22'10.6785"W
8/21/2006	14:19:56	6	50	6580	6470	6790	7050	5980	6060	6330	6540	6210	6750	5860	6070	A-7-005	37°43'52.9853"N 122°22'10.6378"W
8/21/2006	14:20:02	6	50	7120	7410	7250	7120	6690	5860	7010	6200	6790	6880	6460	6740	A-7-005	37°43'53.0258"N 122°22'10.6002"W
8/21/2006	14:20:08	6	50	7110	6710	7080	7090	7110	6970	6820	7200	6920	7630	7270	7020	A-7-005	37°43'53.0611"N 122°22'10.5656"W
8/21/2006	14:20:14	6	50	5870	5650	5380	5450	5030	5220	5790	5680	6140	6010	6400	6590	A-7-005	37°43'53.1026"N 122°22'10.5239"W

8/21/2006	14:20:20	6	50	4730	5190	5230	5130	4930	4720	5070	5300	5200	5070	5360	4870	A-7-005	37°43'53.1413"N 122°22'10.4861"W
8/21/2006	14:20:26	6	50	6220	6030	6080	6150	5070	5970	5290	5770	5830	5750	5760	5070	A-7-005	37°43'53.1796"N 122°22'10.4476"W
8/21/2006	14:20:32	6	50	6880	7110	6760	6940	6840	6650	6360	6050	6530	6950	7170	6390	A-7-005	37°43'53.2221"N 122°22'10.4095"W
8/21/2006	14:20:38	6	50	6370	6700	7250	7280	6450	6740	6470	6870	6790	7070	6590	6660	A-7-005	37°43'53.2722"N 122°22'10.3657"W
8/21/2006	14:20:44	6	50	6910	7170	6580	6520	6320	6410	6290	6540	6910	6810	6750	6920	A-7-005	37°43'53.3176"N 122°22'10.3248"W
8/21/2006	14:20:50	6	50	6570	7030	7030	6760	6110	6780	6390	6960	7170	7550	7150	6800	A-7-005	37°43'53.3610"N 122°22'10.2902"W
8/21/2006	14:20:56	6	50	6890	7000	6490	7010	6850	6350	7250	6380	7000	6600	6730	6370	A-7-005	37°43'53.4024"N 122°22'10.2587"W
8/21/2006	14:21:02	6	50	6800	6750	6850	6690	6080	6200	6640	6600	6850	7540	6530	6160	A-7-005	37°43'53.4414"N 122°22'10.2292"W
8/21/2006	14:21:08	6	50	6080	6470	6560	6390	5540	5980	6370	6070	6310	6800	7190	6420	A-7-005	37°43'53.4816"N 122°22'10.2014"W
8/21/2006	14:21:14	6	50	6510	6270	6550	6730	6090	6470	6270	6430	6340	6090	5710	6470	A-7-005	37°43'53.5209"N 122°22'10.1643"W
8/21/2006	14:21:20	6	50	6540	6320	5900	6540	6110	6140	6380	6260	6420	6850	6730	6280	A-7-005	37°43'53.5175"N 122°22'10.2968"W
8/21/2006	14:21:26	6	50	5780	6770	6060	6430	5650	6370	5790	6210	6700	6670	6510	6160	A-7-005	37°43'53.5201"N 122°22'10.3716"W
8/21/2006	14:21:32	6	50	6250	6760	6070	6630	5920	6260	6320	6170	5980	6770	6330	6210	A-7-005	37°43'53.5217"N 122°22'10.4339"W
8/21/2006	14:21:38	6	50	5770	6050	6160	6490	5630	6010	6230	6430	6210	6380	6310	6180	A-7-005	37°43'53.5214"N 122°22'10.4963"W
8/21/2006	14:21:44	6	50	5070	5260	5360	5290	5810	5660	5720	5780	6340	6050	5780	5950	A-7-005	37°43'53.5234"N 122°22'10.5641"W
8/21/2006	14:21:50	6	50	4650	4660	4490	4460	4150	4390	4280	4230	4290	4930	4320	4530	A-7-005	37°43'53.5246"N 122°22'10.6430"W
8/21/2006	14:21:56	6	50	4650	4710	4700	4800	4020	4300	4440	4150	4370	5090	4590	4870	A-7-005	37°43'53.5253"N 122°22'10.7038"W
8/21/2006	14:22:02	6	50	4610	4740	4490	4730	4250	4780	4490	4320	4460	4790	4480	4460	A-7-005	37°43'53.5229"N 122°22'10.7594"W
8/21/2006	14:22:08	6	50	4430	5040	4620	4510	4030	4510	4590	4660	4510	4990	4830	4650	A-7-005	37°43'53.5207"N 122°22'10.8235"W
8/21/2006	14:22:14	6	50	3760	4580	4480	4590	4100	4650	4180	4740	5250	4950	4980	4750	A-7-005	37°43'53.5187"N 122°22'10.8786"W
8/21/2006	14:22:20	6	50	5880	5170	5060	5440	4820	4160	4750	4800	4440	4860	5110	4730	A-7-005	37°43'53.5184"N 122°22'10.9332"W
8/21/2006	14:22:26	6	50	4990	5810	5260	5300	5140	5270	5430	5250	5810	5780	5100	5370	A-7-005	37°43'53.5137"N 122°22'10.9952"W
8/21/2006	14:22:32	6	50	5610	5540	5410	5120	4510	5340	5590	5300	5310	5640	4760	5040	A-7-005	37°43'53.5057"N 122°22'11.0664"W
8/21/2006	14:22:38	6	50	5000	5600	5540	5410	4730	5030	5440	5150	5600	5090	5390	4910	A-7-005	37°43'53.4872"N 122°22'11.1407"W
8/21/2006	14:22:44	6	50	5580	5720	5710	5550	5520	5660	5460	5310	5860	5860	5240	5510	A-7-005	37°43'53.4555"N 122°22'11.2044"W
8/21/2006	14:22:50	6	50	5680	5260	5010	5530	4820	4990	5250	5290	5020	5580	5360	5290	A-7-005	37°43'53.4113"N 122°22'11.2705"W
8/21/2006	14:22:56	6	50	5240	5950	4900	5920	5150	4900	5610	5370	4970	6030	5580	4980	A-7-005	37°43'53.3591"N 122°22'11.3334"W
8/21/2006	14:23:02	6	50	5240	5360	5100	5010	4870	5100	5040	5340	5100	5750	5070	5100	A-7-005	37°43'53.3092"N 122°22'11.3992"W
8/21/2006	14:23:08	6	50	5210	5220	5170	4840	4770	5120	5180	5310	5470	5380	5220	5220	A-7-005	37°43'53.2526"N 122°22'11.4699"W
8/21/2006	14:23:14	6	50	5380	5360	5720	5250	4810	5460	4790	5250	5560	5700	4850	5170	A-7-005	37°43'53.1954"N 122°22'11.5262"W
8/21/2006	14:23:20	6	50	4160	4490	4020	3980	3660	3850	3860	3830	4060	4440	4370	3640	A-7-005	37°43'52.9643"N 122°22'11.7355"W
8/21/2006	14:23:26	6	50	3770	4510	4270	4270	4070	3840	4160	4180	4240	4660	4200	4220	A-7-005	37°43'52.9170"N 122°22'11.7757"W
8/21/2006	14:23:32	6	50	4050	4190	3810	4130	3350	3950	3760	3470	3950	4230	4230	4090	A-7-005	37°43'52.8631"N 122°22'11.8205"W
8/21/2006	14:23:38	6	50	5410	5320	4080	5970	4210	4380	5530	4130	3800	4720	4090	3780	A-7-005	37°43'52.8084"N 122°22'11.8592"W
8/21/2006	14:23:44	6	50	4370	4340	3710	4530	3490	4320	4370	3950	3810	5070	4480	3990	A-7-005	37°43'52.7599"N 122°22'11.8908"W
8/21/2006	14:23:50	6	50	6290	5900	5360	5470	4840	4400	4700	4550	3740	4790	4200	3890	A-7-005	37°43'52.6979"N 122°22'11.9233"W
8/21/2006	14:23:56	6	50	6750	6420	6410	6650	6160	6330	6070	6080	6110	6590	6190	5510	A-7-005	37°43'52.6487"N 122°22'11.9440"W
8/21/2006	14:24:02	6	50	6400	6270	7320	7150	6100	6500	6180	6490	6510	6740	6970	6110	A-7-005	37°43'52.6250"N 122°22'11.9522"W
8/21/2006	14:29:48	6	50	6700	7250	6950	7110	6340	7260	6630	7190	6900	7290	6810	7110	A-7-005	37°43'52.7668"N 122°22'11.7408"W
8/21/2006	14:29:54	6	50	6450	6900	6950	6320	6560	6710	6590	7000	7010	6850	6990	6990	A-7-005	37°43'52.7701"N 122°22'11.6720"W
8/21/2006	14:30:00	6	50	6720	6900	7250	6820	6780	6790	6670	7000	6890	7280	6860	6640	A-7-005	37°43'52.7725"N 122°22'11.6174"W
8/21/2006	14:30:06	6	50	6380	6490	6930	6970	6210	6850	7100	6960	7240	7520	7410	6660	A-7-005	37°43'52.7762"N 122°22'11.5442"W
8/21/2006	14:30:12	6	50	6330	5740	5820	6230	5470	5690	6220	5910	6030	6630	6910	6710	A-7-005	37°43'52.7795"N 122°22'11.5057"W
8/21/2006	14:30:18	6	50	5660	5850	5800	6260	5900	5500	5670	6110	5990	6000	6110	5170	A-7-005	37°43'52.7828"N 122°22'11.4418"W
8/21/2006	14:30:24	6	50	5310	5340	5660	5570	5130	5610	4890	5160	5720	5480	5500	5440	A-7-005	37°43'52.7863"N 122°22'11.3857"W
8/21/2006	14:30:30	6	50	5170	5550	5580	5680	5480	5850	5400	5760	5600	5780	5520	5490	A-7-005	37°43'52.7896"N 122°22'11.3194"W
8/21/2006	14:30:36	6	50	6200	6200	5390	5890	5100	5430	5880	5690	5180	5970	5740	5780	A-7-005	37°43'52.7928"N 122°22'11.2598"W
8/21/2006	14:30:42	6	50	6610	6240	6660	6510	6120	6330	6230	6440	6480	6250	6130	5970	A-7-005	37°43'52.7947"N 122°22'11.2012"W
8/21/2006	14:30:48	6	50	6500	6750	6060	6700	5900	6240	6500	6530	6270	7140	6970	6420	A-7-005	37°43'52.7995"N 122°22'11.1312"W
8/21/2006	14:30:54	6	50	6550	6410	6910	6920	6210	6860	6690	6600	6570	6670	7050	6450	A-7-005	37°43'52.8068"N 122°22'11.0655"W
8/21/2006	14:31:00	6	50	6940	6340	6700	6530	6030	6360	6790	6940	6760	7120	6660	6830	A-7-005	37°43'52.8201"N 122°22'10.9903"W
8/21/2006	14:31:06	6	50	7410	7160	6840	7180	6180	6700	6900	6970	6800	6680	6870	6720	A-7-005	37°43'52.8521"N 122°22'10.9249"W
8/21/2006	14:31:12	6	50	6550	6880	7180	6920	6940	6570	6570	6670	6850	7120	6910	6890	A-7-005	37°43'52.8772"N 122°22'10.8717"W
8/21/2006	14:31:18	6	50	7060	7060	6580	7290	6160	6840	6930	6840	7300	6590	7120	6500	A-7-005	37°43'52.9125"N 122°22'10.8196"W
8/21/2006	14:31:24	6	50	6850	7200	6530	7260	6160	6740	6750	6590	6670	6670	6810	6590	A-7-005	37°43'52.9452"N 122°22'10.7782"W
8/21/2006	14:31:30	6	50	5680	6180	5820	6800	5460	5670	6480	5930	6070	6250	6570	5700	A-7-005	37°43'52.9711"N 122°22'10.7481"W
8/21/2006	14:31:36	6	50	5280	5230	5910	5120	4750	5580	5080	5440	5370	5690	5400	5530	A-7-005	37°43'53.0165"N 122°22'10.7056"W
8/21/2006	14:31:42	6	50	5460	6750	6460	6090	5120	6160	6040	5800	5950	5700	5610	5530	A-7-005	37°43'53.0791"N 122°22'10.6466"W
8/21/2006	14:31:48	6	50	6710	6730	6550	6510	6090	6630	6310	6530	6800	6720	6370	6510	A-7-005	37°43'53.1173"N 122°22'10.6078"W
8/21/2006	14:31:54	6	50	6440	6480	6100	6130	5410	6050	5730	5760	6140	6330	6350	6090	A-7-005	37°43'53.1392"N 122°22'10.5847"W
8/21/2006	14:32:00	6	50	6360	6050	5690	6390	5330	5720	5790	5690	5480	6510	5760	5290	A-7-005	37°43'53.1696"N 122°22'10.5551"W
8/21/2006	14:32:06	6	50	6540	6710	6700	6540	5860	6460	6500	5870	6150	6500	6320	5940	A-7-005	37°43'53.2176"N 122°22'10.5111"W
8/21/2006	14:32:12	6	50	6660	6280	6230	7100	5740	7030	6870	6560	6520	6960	6660	6460	A-7-005	37°43'53.2321"N 122°22'10.4956"W
8/21/2006	14:32:18	6	50	7060	6670	7020	6590	5650	6130	6500	7250	6100	6940	6760	6850	A-7-005	37°43'53.2645"N 122°22'10.4693"W
8/21/2006	14:32:24	6	50	6390	6500	6540	5740	5770	6460	5360	6220	6790	6580	6140	6530	A-7-005	37°43'53.2983"N 122°22'10.4395"W
8/21/2006	14:32:30	6	50	6660	7050	6170	6820	5920	6270	6060	6840	6350	6860	7040	6530	A-7-005	37°43'53.3313"N 122°22'10.4111"W

8/21/2006	14:32:36	6	50	6680	6730	7190	7270	6290	6630	6500	6640	6800	7060	6750	6840	A-7-005	37°43'53.3937"N 122°22'10.3553"W
8/21/2006	14:32:42	6	50	6500	6400	6820	6880	6470	6920	6580	6680	6920	7400	6840	7050	A-7-005	37°43'53.4378"N 122°22'10.3196"W
8/21/2006	14:32:48	6	50	6330	7030	6620	6220	6320	7030	6910	6260	6990	6780	6640	6620	A-7-005	37°43'53.4750"N 122°22'10.2885"W
8/21/2006	14:32:54	6	50	6520	6810	6390	6530	5690	5790	6090	6200	5560	6210	6350	6160	A-7-005	37°43'53.4630"N 122°22'10.4253"W
8/21/2006	14:33:00	6	50	5810	6120	5790	5680	5400	5720	6060	5990	6320	6340	6430	6380	A-7-005	37°43'53.4623"N 122°22'10.4897"W
8/21/2006	14:33:06	6	50	5220	5210	5420	5770	4470	5250	5050	4770	4940	5430	5180	5380	A-7-005	37°43'53.4600"N 122°22'10.5353"W
8/21/2006	14:33:12	6	50	4430	4910	4910	5040	3960	4700	4870	5350	4940	4740	4950	5230	A-7-005	37°43'53.4571"N 122°22'10.5852"W
8/21/2006	14:33:18	6	50	4910	4850	3970	4770	4290	4270	4420	4510	4670	5040	5060	4350	A-7-005	37°43'53.4552"N 122°22'10.6462"W
8/21/2006	14:33:24	6	50	4620	4620	4250	4760	3990	4440	4810	4870	4780	4970	5200	4520	A-7-005	37°43'53.4512"N 122°22'10.6951"W
8/21/2006	14:33:30	6	50	5780	6160	5480	5460	4040	4640	4910	4430	4510	5020	4450	4700	A-7-005	37°43'53.4503"N 122°22'10.7531"W
8/21/2006	14:33:36	6	50	5850	6580	6050	6000	5110	5090	5640	5740	5360	6210	5560	6000	A-7-005	37°43'53.4498"N 122°22'10.8249"W
8/21/2006	14:33:42	6	50	6480	5910	5590	5840	4580	4980	5420	4900	4760	5960	5180	4660	A-7-005	37°43'53.4511"N 122°22'10.9039"W
8/21/2006	14:33:48	6	50	6210	5810	5980	6320	5790	5940	6190	5790	6080	6560	5660	5640	A-7-005	37°43'53.4448"N 122°22'10.9614"W
8/21/2006	14:33:54	6	50	6060	5980	6180	5840	5340	5510	5890	5830	5540	6170	6250	5500	A-7-005	37°43'53.4288"N 122°22'11.0430"W
8/21/2006	14:34:00	6	50	5960	5960	5750	6210	5680	5990	6180	6580	5950	6630	6470	5560	A-7-005	37°43'53.4023"N 122°22'11.1119"W
8/21/2006	14:34:06	6	50	5920	6000	5090	5600	5370	5800	5600	5530	5760	6070	6100	5740	A-7-005	37°43'53.3669"N 122°22'11.1793"W
8/21/2006	14:34:12	6	50	5910	6540	5610	5910	5350	5380	5400	5680	5090	5750	4950	5400	A-7-005	37°43'53.3347"N 122°22'11.2239"W
8/21/2006	14:34:18	6	50	6520	6710	5950	6440	5980	5930	5830	6090	6070	5980	5860	5900	A-7-005	37°43'53.3075"N 122°22'11.2581"W
8/21/2006	14:34:24	6	50	5530	5760	5270	5620	5540	6220	5950	5240	5760	6630	5870	6170	A-7-005	37°43'53.2670"N 122°22'11.3050"W
8/21/2006	14:34:30	6	50	4910	4580	3470	4680	3790	3750	4160	4040	4390	4810	4520	4540	A-7-005	37°43'53.2238"N 122°22'11.3517"W
8/21/2006	14:34:36	6	50	5190	4740	4650	5230	4590	4620	5430	4350	4660	5250	4470	4280	A-7-005	37°43'53.1750"N 122°22'11.3988"W
8/21/2006	14:34:42	6	50	3310	3890	3420	4280	3430	3390	4380	4430	4210	5480	4470	4210	A-7-005	37°43'53.1324"N 122°22'11.4412"W
8/21/2006	14:34:48	6	50	4410	4900	4580	4310	3680	4010	3620	3470	3680	3690	3510	3620	A-7-005	37°43'53.0857"N 122°22'11.4892"W
8/21/2006	14:34:54	6	50	5310	5770	5000	5400	4650	4950	4690	4880	5230	5350	5370	5120	A-7-005	37°43'53.0414"N 122°22'11.5335"W
8/21/2006	14:35:00	6	50	4050	5300	4810	4420	4470	4650	4370	4780	4840	4980	4550	5080	A-7-005	37°43'52.9945"N 122°22'11.5826"W
8/21/2006	14:35:06	6	50	5780	6240	6080	5280	4830	5670	4870	4590	5580	4700	5110	5180	A-7-005	37°43'52.9424"N 122°22'11.6327"W
8/21/2006	14:35:12	6	50	6180	6260	5190	6310	5440	4910	6050	6120	5960	6150	5990	5010	A-7-005	37°43'52.8943"N 122°22'11.6752"W
8/21/2006	14:35:18	6	50	6750	6680	6150	6370	5840	5740	6490	5710	5300	5940	5660	4880	A-7-005	37°43'52.8457"N 122°22'11.7187"W
8/21/2006	14:35:24	6	50	6170	6400	6770	6590	6160	6480	5770	6120	6400	6450	6190	6420	A-7-005	37°43'52.8144"N 122°22'11.7466"W
8/21/2006	14:35:30	6	50	6410	6720	6740	6840	6210	6700	6300	6500	6190	6820	6570	6720	A-7-005	37°43'52.7822"N 122°22'11.7733"W
8/21/2006	14:40:24	6	50	5910	6720	6080	6020	6390	5620	5950	6220	6030	6990	6420	6310	A-7-005	37°43'52.7977"N 122°22'11.6642"W
8/21/2006	14:40:30	6	50	6420	7630	7320	6220	6120	6520	6440	6450	7040	6190	5790	6750	A-7-005	37°43'52.8016"N 122°22'11.6025"W
8/21/2006	14:40:36	6	50	6480	6930	6880	6500	6050	6530	6920	6390	6880	7190	7520	7000	A-7-005	37°43'52.8036"N 122°22'11.5423"W
8/21/2006	14:40:42	6	50	6550	6150	5700	6470	5530	5820	7250	6260	6210	6680	5940	6170	A-7-005	37°43'52.8086"N 122°22'11.4722"W
8/21/2006	14:40:48	6	50	5300	5580	5020	5090	4780	4760	5580	5300	4950	6050	6100	5530	A-7-005	37°43'52.8121"N 122°22'11.3947"W
8/21/2006	14:40:54	6	50	4770	5170	5220	4920	4360	4870	4810	4810	5050	5600	5230	5700	A-7-005	37°43'52.8172"N 122°22'11.3159"W
8/21/2006	14:41:00	6	50	6520	6370	6790	6570	5820	5950	6280	5940	6200	6450	6460	5690	A-7-005	37°43'52.8264"N 122°22'11.2160"W
8/21/2006	14:41:06	6	50	6720	6920	7180	7170	6420	6530	6610	6790	7340	7240	6750	6930	A-7-005	37°43'52.8321"N 122°22'11.1377"W
8/21/2006	14:41:12	6	50	6550	6990	6680	6630	6410	7450	6500	7180	6540	7060	7160	6460	A-7-005	37°43'52.8404"N 122°22'11.0701"W
8/21/2006	14:41:18	6	50	6480	6890	6600	6470	6150	6570	6720	6850	6910	7070	6890	6640	A-7-005	37°43'52.8648"N 122°22'10.9990"W
8/21/2006	14:41:24	6	50	6190	7410	7070	6840	6360	7280	6540	6560	6920	6360	6990	6930	A-7-005	37°43'52.8958"N 122°22'10.9132"W
8/21/2006	14:41:30	6	50	5990	7210	6770	7210	6530	6250	6340	7180	7030	7080	6830	7040	A-7-005	37°43'52.9451"N 122°22'10.8368"W
8/21/2006	14:41:36	6	50	6760	6630	6290	6960	5930	5950	6550	6130	6190	6710	6600	6380	A-7-005	37°43'52.9886"N 122°22'10.7880"W
8/21/2006	14:41:42	6	50	5260	5740	5640	5510	5460	4880	5630	5160	5450	6010	5370	6110	A-7-005	37°43'53.0442"N 122°22'10.7306"W
8/21/2006	14:41:48	6	50	5640	6260	5630	6350	5290	5440	5660	5570	5420	5610	5480	5300	A-7-005	37°43'53.1010"N 122°22'10.6745"W
8/21/2006	14:41:54	6	50	6060	6540	6270	5850	5940	6380	5850	5750	6360	6110	6380	6530	A-7-005	37°43'53.1562"N 122°22'10.6203"W
8/21/2006	14:42:00	6	50	6690	6640	6580	6200	5860	5590	6250	5790	5940	5500	5960	6160	A-7-005	37°43'53.1936"N 122°22'10.5838"W
8/21/2006	14:42:06	6	50	6850	7040	6780	6860	6230	6680	6580	6440	6330	6840	6730	6140	A-7-005	37°43'53.2391"N 122°22'10.5418"W
8/21/2006	14:42:12	6	50	6740	6730	6730	7010	6330	6770	6840	6420	6600	6880	6640	6530	A-7-005	37°43'53.2819"N 122°22'10.5009"W
8/21/2006	14:42:18	6	50	6220	6230	6140	5750	5330	6300	6010	6170	6240	6550	5880	6010	A-7-005	37°43'53.3283"N 122°22'10.4575"W
8/21/2006	14:42:24	6	50	5830	6420	7320	5950	5810	6570	5780	6320	6160	6360	6940	6250	A-7-005	37°43'53.3774"N 122°22'10.4142"W
8/21/2006	14:42:30	6	50	6630	6790	5920	6320	5910	6590	6070	6630	6660	6440	6160	6790	A-7-005	37°43'53.4217"N 122°22'10.3760"W
8/21/2006	14:42:36	6	50	6490	7020	6010	6430	6140	6430	6520	6600	6600	6830	6460	6740	A-7-005	37°43'53.4773"N 122°22'10.3288"W
8/21/2006	14:42:42	6	50	5080	5510	4910	5360	4780	5160	5130	5310	5380	5510	5840	5080	A-7-005	37°43'53.3982"N 122°22'10.5219"W
8/21/2006	14:42:48	6	50	4790	5420	5470	5340	4960	4990	4940	5060	4920	5190	5180	5120	A-7-005	37°43'53.4005"N 122°22'10.5796"W
8/21/2006	14:42:54	6	50	4980	5210	5190	5490	5170	5660	5050	5150	5440	5350	5280	4740	A-7-005	37°43'53.4001"N 122°22'10.6361"W
8/21/2006	14:43:00	6	50	6110	5670	5310	5380	4960	4850	4580	5120	4790	5560	5370	4800	A-7-005	37°43'53.4020"N 122°22'10.7110"W
8/21/2006	14:43:06	6	50	6610	6950	6300	6890	5780	6170	5660	6400	5700	5950	5950	4990	A-7-005	37°43'53.4021"N 122°22'10.7645"W
8/21/2006	14:43:12	6	50	6410	7040	6790	6550	6500	6010	6180	6340	6490	6760	6320	6100	A-7-005	37°43'53.4009"N 122°22'10.8512"W
8/21/2006	14:43:18	6	50	6180	6550	6220	5710	5960	6250	6330	6280	6290	6250	6620	6120	A-7-005	37°43'53.3974"N 122°22'10.9437"W
8/21/2006	14:43:24	6	50	5620	6130	6120	6150	5530	5900	5920	6230	6480	6420	6330	6380	A-7-005	37°43'53.3809"N 122°22'11.0378"W
8/21/2006	14:43:30	6	50	6490	6510	5830	6220	5470	6550	6090	5710	5780	6590	6360	6090	A-7-005	37°43'53.3513"N 122°22'11.1151"W
8/21/2006	14:43:36	6	50	5690	5570	5780	5310	5370	5740	5400	5620	5550	5800	5770	5530	A-7-005	37°43'53.3173"N 122°22'11.1716"W
8/21/2006	14:43:42	6	50	5130	5760	5980	4500	4330	5900	5040	4900	6040	5400	5820	5930	A-7-005	37°43'53.2722"N 122°22'11.2362"W
8/21/2006	14:43:48	6	50	5600	6020	5290	5060	4690	4810	5200	4760	5520	5530	5570	5060	A-7-005	37°43'53.2350"N 122°22'11.2766"W
8/21/2006	14:43:54	6	50	4860	5000	4270	4970	4160	4490	4830	4970	4680	4900	5410	5100	A-7-005	37°43'53.1996"N 122°22'11.3128"W

8/21/2006	14:44:00	6	50	6150	5850	5390	5600	5510	5220	6020	5710	5070	5910	5080	4390	A-7-005	37°43'53.1580"N 122°22'11.3534"W
8/21/2006	14:44:06	6	50	5070	5050	4650	5830	4630	4440	5680	5410	4950	5920	5730	5710	A-7-005	37°43'53.1149"N 122°22'11.3921"W
8/21/2006	14:44:12	6	50	3470	3710	3500	3720	3040	3520	3660	3580	3750	4730	4390	3630	A-7-005	37°43'53.0654"N 122°22'11.4422"W
8/21/2006	14:44:18	6	50	4090	4820	5170	4000	4300	5170	4100	4880	5360	3510	4240	4440	A-7-005	37°43'53.0334"N 122°22'11.4817"W
8/21/2006	14:44:24	6	50	4880	4950	4890	4940	4750	4780	4420	4920	5290	4310	4600	4780	A-7-005	37°43'53.0021"N 122°22'11.5107"W
8/21/2006	14:44:30	6	50	3540	3850	3630	3730	3160	3390	3360	3440	3780	4130	3890	4230	A-7-005	37°43'52.9537"N 122°22'11.5515"W
8/21/2006	14:44:36	6	50	4880	4980	4830	5090	4500	4540	4570	4420	4730	4730	4450	3570	A-7-005	37°43'52.9056"N 122°22'11.5909"W
8/21/2006	14:44:42	6	50	5920	5960	6160	6390	6030	6160	6010	6090	6140	5880	6160	5940	A-7-005	37°43'52.8665"N 122°22'11.6253"W
8/21/2006	14:44:48	6	50	6730	7010	6570	6730	6210	7000	5860	6890	6410	6110	6510	5990	A-7-005	37°43'52.8302"N 122°22'11.6586"W
8/21/2006	14:44:54	6	50	5380	6280	5840	5970	5670	6880	6360	6670	6480	6620	6490	5980	A-7-005	37°43'52.7970"N 122°22'11.6854"W
8/21/2006	14:49:35	6	50	6680	6600	6690	7110	6250	7010	6080	6810	6340	6710	6640	6640	A-7-005	37°43'52.8238"N 122°22'11.5481"W
8/21/2006	14:49:41	6	50	5350	5940	6220	5680	5770	6740	6620	6800	6600	7080	6620	7160	A-7-005	37°43'52.8271"N 122°22'11.4821"W
8/21/2006	14:49:47	6	50	4990	4840	5660	5320	4930	5860	5480	5670	6400	5770	6100	6550	A-7-005	37°43'52.8287"N 122°22'11.4154"W
8/21/2006	14:49:53	6	50	3880	4570	4750	4060	4190	4760	4150	4430	5070	4860	4710	5270	A-7-005	37°43'52.8308"N 122°22'11.3593"W
8/21/2006	14:49:59	6	50	4340	4180	4170	4160	4110	4500	4220	4440	4890	4060	4340	4710	A-7-005	37°43'52.8350"N 122°22'11.2835"W
8/21/2006	14:50:05	6	50	5670	6300	6840	5210	5210	6080	4630	5610	6620	4640	4840	6070	A-7-005	37°43'52.8404"N 122°22'11.2261"W
8/21/2006	14:50:11	6	50	6720	6780	6700	7230	6680	6370	7110	6330	7180	7160	6880	6580	A-7-005	37°43'52.8494"N 122°22'11.1581"W
8/21/2006	14:50:17	6	50	6670	6890	6510	7210	6370	6560	6790	6840	7120	7370	6920	6930	A-7-005	37°43'52.8600"N 122°22'11.0903"W
8/21/2006	14:50:23	6	50	5860	6960	6840	6920	6290	6350	6610	6820	6720	6910	6210	7210	A-7-005	37°43'52.8906"N 122°22'11.0143"W
8/21/2006	14:50:29	6	50	6840	6900	7000	6820	6190	6420	6420	6720	6420	6660	6300	6620	A-7-005	37°43'52.9244"N 122°22'10.9331"W
8/21/2006	14:50:35	6	50	6150	6870	6760	7180	6480	6470	6970	7110	6680	6950	6370	6070	A-7-005	37°43'52.9568"N 122°22'10.8744"W
8/21/2006	14:50:41	6	50	6630	7260	6900	6560	6440	7100	6680	6390	6650	7380	7110	6360	A-7-005	37°43'52.9967"N 122°22'10.8213"W
8/21/2006	14:50:47	6	50	5620	6360	5910	5870	5480	5630	6420	6530	6670	7180	6710	6520	A-7-005	37°43'53.0487"N 122°22'10.7614"W
8/21/2006	14:50:53	6	50	5830	6150	6380	5990	5310	5590	6060	6450	5690	6270	6120	5500	A-7-005	37°43'53.1082"N 122°22'10.7080"W
8/21/2006	14:50:59	6	50	6110	6440	5980	6010	5840	5570	6320	6210	6040	6630	5880	6030	A-7-005	37°43'53.1678"N 122°22'10.6524"W
8/21/2006	14:51:05	6	50	6440	7060	6250	7660	6210	6180	6520	6560	6690	6970	6640	6130	A-7-005	37°43'53.2053"N 122°22'10.6183"W
8/21/2006	14:51:11	6	50	7150	6720	6470	6350	6520	6270	6490	6660	6730	7350	6510	6800	A-7-005	37°43'53.2515"N 122°22'10.5757"W
8/21/2006	14:51:17	6	50	7560	7120	7130	7250	6960	6830	7030	7070	6930	7390	7010	6390	A-7-005	37°43'53.2976"N 122°22'10.5381"W
8/21/2006	14:51:23	6	50	5560	6390	5690	6410	5540	5840	6420	5930	5840	6900	6690	6160	A-7-005	37°43'53.3396"N 122°22'10.5002"W
8/21/2006	14:51:29	6	50	5170	5600	5200	5490	5060	5390	6090	5520	5300	5150	5790	5950	A-7-005	37°43'53.3783"N 122°22'10.4697"W
8/21/2006	14:51:35	6	50	5890	5590	5400	5630	4510	4880	5590	5050	5080	5410	4740	5030	A-7-005	37°43'53.3609"N 122°22'10.5743"W
8/21/2006	14:51:41	6	50	5430	5380	5490	5270	4530	4950	5540	5100	5020	5640	5470	5430	A-7-005	37°43'53.3626"N 122°22'10.6504"W
8/21/2006	14:51:47	6	50	6880	6720	7160	6700	5680	6170	5830	5050	5270	5970	4930	5340	A-7-005	37°43'53.3634"N 122°22'10.7192"W
8/21/2006	14:51:53	6	50	6960	6580	6850	6880	5840	6390	7110	6340	6330	7500	6940	6550	A-7-005	37°43'53.3615"N 122°22'10.7983"W
8/21/2006	14:51:59	6	50	6370	6320	6310	6210	6160	6490	5970	5810	6080	6660	6490	6590	A-7-005	37°43'53.3575"N 122°22'10.8553"W
8/21/2006	14:52:05	6	50	5410	6160	6640	5520	5380	5820	5090	5590	5490	5670	6330	5970	A-7-005	37°43'53.3503"N 122°22'10.9343"W
8/21/2006	14:52:11	6	50	6580	7030	7050	6580	6080	6250	7140	6510	6860	6750	6550	6090	A-7-005	37°43'53.3362"N 122°22'11.0117"W
8/21/2006	14:52:17	6	50	6480	6600	6890	6090	5920	5860	6330	6520	6350	6640	6770	6580	A-7-005	37°43'53.3054"N 122°22'11.0965"W
8/21/2006	14:52:23	6	50	4620	5270	4950	5010	5120	5550	5280	5270	6000	5640	5400	5850	A-7-005	37°43'53.2697"N 122°22'11.1590"W
8/21/2006	14:52:29	6	50	4200	4420	4260	4250	4260	4590	4090	4350	4110	4300	4540	4940	A-7-005	37°43'53.2361"N 122°22'11.2108"W
8/21/2006	14:52:35	6	50	4570	4580	4980	4210	4050	4500	3740	4320	4620	4140	3900	4530	A-7-005	37°43'53.1961"N 122°22'11.2574"W
8/21/2006	14:52:41	6	50	4750	6090	6680	4380	4760	5860	4860	5710	5990	5240	5450	5510	A-7-005	37°43'53.1271"N 122°22'11.3159"W
8/21/2006	14:52:47	6	50	5510	6130	6160	5760	5560	5890	5770	6190	6250	6540	6050	5970	A-7-005	37°43'53.0781"N 122°22'11.3527"W
8/21/2006	14:52:53	6	50	3830	3970	3350	4320	3350	3590	4280	4620	4120	4900	4710	4550	A-7-005	37°43'53.0292"N 122°22'11.3899"W
8/21/2006	14:52:59	6	50	4290	5010	4190	4350	3420	3070	3620	3280	3020	4010	3950	3370	A-7-005	37°43'52.9716"N 122°22'11.4360"W
8/21/2006	14:53:05	6	50	3850	4200	3770	4320	3600	4140	4700	4060	4120	5370	4440	3530	A-7-005	37°43'52.9266"N 122°22'11.4732"W
8/21/2006	14:53:11	6	50	4660	4940	4490	4290	3360	4060	4030	3750	3880	4250	3600	3470	A-7-005	37°43'52.8822"N 122°22'11.5069"W
8/21/2006	14:53:17	6	50	5770	6160	6630	4840	4620	5500	5430	4920	4910	5070	4400	4850	A-7-005	37°43'52.8291"N 122°22'11.5448"W
8/21/2006	14:57:34	6	50	4540	5490	5100	4520	4740	5220	4610	5170	5170	5260	5540	5930	A-7-005	37°43'52.8552"N 122°22'11.4372"W
8/21/2006	14:57:40	6	50	4550	4300	4290	3830	3540	3710	4230	4190	4060	4780	4670	4520	A-7-005	37°43'52.8636"N 122°22'11.3894"W
8/21/2006	14:57:46	6	50	6010	5670	5890	6040	4830	5030	5640	5310	4430	5470	5200	4370	A-7-005	37°43'52.8707"N 122°22'11.2969"W
8/21/2006	14:57:52	6	50	6310	6980	6450	6210	5800	5500	5730	5090	5120	5170	4760	4610	A-7-005	37°43'52.8784"N 122°22'11.2232"W
8/21/2006	14:57:58	6	50	7150	7120	7030	7060	6590	7100	6680	6910	7220	7210	6720	6360	A-7-005	37°43'52.8877"N 122°22'11.1502"W
8/21/2006	14:58:04	6	50	6400	6920	7010	6820	6270	7090	7040	6780	7190	6660	6950	6630	A-7-005	37°43'52.9121"N 122°22'11.0679"W
8/21/2006	14:58:10	6	50	6430	6790	6740	6760	5930	6600	6550	6180	6280	6810	6300	6780	A-7-005	37°43'52.9376"N 122°22'10.9930"W
8/21/2006	14:58:16	6	50	6810	7400	7190	6790	6240	6100	6490	6160	6480	6720	6780	6970	A-7-005	37°43'52.9773"N 122°22'10.9216"W
8/21/2006	14:58:22	6	50	6870	7510	6860	7040	6160	6810	6690	6640	7150	6960	6920	6790	A-7-005	37°43'53.0174"N 122°22'10.8617"W
8/21/2006	14:58:28	6	50	6960	6820	7050	6990	6370	6870	6590	7020	7250	7470	6950	7700	A-7-005	37°43'53.0553"N 122°22'10.8173"W
8/21/2006	14:58:34	6	50	6530	6650	6190	7000	5650	5590	7100	6640	6150	6750	6860	5770	A-7-005	37°43'53.0938"N 122°22'10.7784"W
8/21/2006	14:58:40	6	50	6730	6610	6690	7020	6420	6750	6640	6570	6520	7190	6290	6690	A-7-005	37°43'53.1404"N 122°22'10.7357"W
8/21/2006	14:58:46	6	50	7070	7470	6740	6760	6100	6980	6720	6730	6220	7310	6850	6320	A-7-005	37°43'53.1838"N 122°22'10.6942"W
8/21/2006	14:58:52	6	50	7250	6830	6800	7030	6670	6260	7220	7010	6770	7110	7540	7250	A-7-005	37°43'53.2487"N 122°22'10.6328"W
8/21/2006	14:58:58	6	50	6950	7320	6600	7150	6610	6820	6940	6990	6710	6890	6610	6960	A-7-005	37°43'53.2832"N 122°22'10.5993"W
8/21/2006	14:59:04	6	50	7300	7220	7230	6880	6260	6390	7010	6660	6990	7510	7030	7090	A-7-005	37°43'53.3185"N 122°22'10.5657"W
8/21/2006	14:59:10	6	50	5170	6330	5810	5730	5100	5230	5900	5680	6000	6230	5990	6120	A-7-005	37°43'53.3672"N 122°22'10.5298"W
8/21/2006	14:59:16	6	50	6080	6260	5120	6800	5000	5690	6590	6200	5970	6990	6390	6180	A-7-005	37°43'53.3305"N 122°22'10.6533"W

8/21/2006	14:59:22	6	50	7080	7100	7300	7120	6840	6670	7150	6260	6670	6870	5980	6030	A-7-005	37°43'53.3288"N 122°22'10.7113"W
8/21/2006	14:59:28	6	50	7110	7640	7020	6970	6390	6880	7050	7080	7140	7560	7220	7030	A-7-005	37°43'53.3278"N 122°22'10.7683"W
8/21/2006	14:59:34	6	50	5980	6140	6000	6450	5070	5840	5770	5620	5450	6540	6160	6440	A-7-005	37°43'53.3253"N 122°22'10.8516"W
8/21/2006	14:59:40	6	50	5750	6280	5480	5640	5250	5390	6040	5300	5700	6120	6110	5290	A-7-005	37°43'53.3174"N 122°22'10.9268"W
8/21/2006	14:59:46	6	50	6580	7200	6350	7160	6580	6860	5960	6330	6580	6390	6570	6450	A-7-005	37°43'53.3058"N 122°22'10.9992"W
8/21/2006	14:59:52	6	50	6040	6920	6430	6950	6480	6330	6560	6620	6740	6920	6660	7010	A-7-005	37°43'53.2801"N 122°22'11.0731"W
8/21/2006	14:59:58	6	50	4580	4370	3980	4740	3670	4190	4820	4300	4570	5020	4860	4620	A-7-005	37°43'53.2399"N 122°22'11.1426"W
8/21/2006	15:00:04	6	50	4180	4290	3710	4140	3730	3560	3820	4060	3810	3940	4330	4070	A-7-005	37°43'53.2063"N 122°22'11.1821"W
8/21/2006	15:00:10	6	50	4020	3850	4000	4140	3490	3890	4310	3700	3770	4180	3520	4050	A-7-005	37°43'53.1601"N 122°22'11.2292"W
8/21/2006	15:00:16	6	50	4880	5110	4180	4730	4470	4440	4420	4280	4380	4800	4230	4530	A-7-005	37°43'53.1038"N 122°22'11.2790"W
8/21/2006	15:00:22	6	50	5890	5770	5550	5380	4590	4950	4850	4910	5090	4640	4510	5540	A-7-005	37°43'53.0590"N 122°22'11.3139"W
8/21/2006	15:00:28	6	50	5990	5870	5060	6210	5380	5600	6220	5830	5520	6560	5740	5670	A-7-005	37°43'53.0136"N 122°22'11.3482"W
8/21/2006	15:00:34	6	50	6170	4980	4420	6000	4770	4170	6140	4920	4670	6030	5340	4540	A-7-005	37°43'52.9717"N 122°22'11.3794"W
8/21/2006	15:00:40	6	50	5890	5550	5440	5540	5080	5100	5560	5370	4830	6320	4990	4790	A-7-005	37°43'52.9311"N 122°22'11.4098"W
8/21/2006	15:00:46	6	50	4610	4240	4210	4470	4040	4110	4020	3730	4300	5520	4800	4230	A-7-005	37°43'52.8821"N 122°22'11.4426"W
8/21/2006	15:00:52	6	50	4350	5100	4530	4360	3600	3790	4210	4240	4320	4560	4300	3990	A-7-005	37°43'52.8671"N 122°22'11.4519"W
8/21/2006	15:07:54	6	50	6310	6460	6060	5680	6060	5110	5920	5580	5630	5930	5930	5390	A-7-005	37°43'52.8922"N 122°22'11.3391"W
8/21/2006	15:08:00	6	50	6480	5960	5800	6130	5960	5990	5880	6130	5940	6470	6130	6040	A-7-005	37°43'52.9065"N 122°22'11.2838"W
8/21/2006	15:08:06	6	50	6570	6590	6530	6130	6150	6430	6850	6520	6560	6700	6470	6760	A-7-005	37°43'52.9126"N 122°22'11.2326"W
8/21/2006	15:08:12	6	50	5710	6200	7130	6250	5560	5990	6480	6310	6440	6410	6230	6690	A-7-005	37°43'52.9199"N 122°22'11.1751"W
8/21/2006	15:08:18	6	50	5240	5690	5570	5110	4850	5620	5220	5830	6140	5960	5820	6250	A-7-005	37°43'52.9305"N 122°22'11.1235"W
8/21/2006	15:08:24	6	50	3970	4840	5720	4640	4770	5790	4390	4980	5670	4860	5430	6200	A-7-005	37°43'52.9470"N 122°22'11.0664"W
8/21/2006	15:08:30	6	50	5760	6940	6060	5890	5990	6680	5570	5970	6560	5500	5590	6010	A-7-005	37°43'52.9882"N 122°22'10.9706"W
8/21/2006	15:08:36	6	50	7050	7140	6890	6510	6540	6850	6780	6540	6920	6610	6660	6340	A-7-005	37°43'53.0179"N 122°22'10.9243"W
8/21/2006	15:08:42	6	50	7660	7070	6970	6960	6600	7100	6250	7180	7020	7170	6850	6630	A-7-005	37°43'53.0568"N 122°22'10.8685"W
8/21/2006	15:08:48	6	50	7360	6720	7000	7060	6270	6840	6620	6350	6990	6980	7050	6820	A-7-005	37°43'53.0831"N 122°22'10.8361"W
8/21/2006	15:08:54	6	50	6600	6600	6730	7230	6430	6820	7050	7310	6750	7310	7240	6490	A-7-005	37°43'53.1148"N 122°22'10.8003"W
8/21/2006	15:09:00	6	50	6730	7200	7040	6750	5930	6790	6810	7500	6430	6780	7070	6670	A-7-005	37°43'53.1444"N 122°22'10.7676"W
8/21/2006	15:09:06	6	50	6940	7900	7460	7280	6900	7140	6760	6620	7100	7130	6840	6950	A-7-005	37°43'53.1812"N 122°22'10.7322"W
8/21/2006	15:09:12	6	50	6870	6910	6980	6870	7380	7010	7290	7070	7650	7720	6850	7200	A-7-005	37°43'53.2156"N 122°22'10.6986"W
8/21/2006	15:09:18	6	50	6450	6380	7160	7140	5740	7110	6560	6590	6500	6820	7070	7170	A-7-005	37°43'53.2495"N 122°22'10.6609"W
8/21/2006	15:09:24	6	50	6860	7260	7220	7200	6620	6960	7360	6830	6980	7180	6760	6700	A-7-005	37°43'53.2770"N 122°22'10.6367"W
8/21/2006	15:09:30	6	50	6190	7100	7090	6910	6720	7290	6600	7030	7070	7430	7380	7040	A-7-005	37°43'53.3073"N 122°22'10.6097"W
8/21/2006	15:09:36	6	50	7010	7320	7410	7750	7180	7010	7050	6810	7160	7840	7140	7340	A-7-005	37°43'53.2788"N 122°22'10.7433"W
8/21/2006	15:09:42	6	50	6550	6940	6620	7150	6080	6720	6740	7180	6640	6980	7030	7110	A-7-005	37°43'53.2773"N 122°22'10.8066"W
8/21/2006	15:09:48	6	50	6020	6500	5520	6460	5870	5810	5840	6040	5640	6370	5830	5890	A-7-005	37°43'53.2748"N 122°22'10.8575"W
8/21/2006	15:09:54	6	50	5350	5180	5680	5650	5550	5620	5470	5190	5720	5850	5520	5580	A-7-005	37°43'53.2660"N 122°22'10.9218"W
8/21/2006	15:10:00	6	50	6330	7130	7120	6320	6170	6210	5960	6310	6660	6120	5380	5780	A-7-005	37°43'53.2515"N 122°22'10.9861"W
8/21/2006	15:10:06	6	50	5680	6910	6900	6300	6500	6080	6370	6420	6740	6820	6200	6190	A-7-005	37°43'53.2332"N 122°22'11.0401"W
8/21/2006	15:10:12	6	50	3820	4600	4490	4030	3920	4430	4280	4440	4970	4970	4850	4620	A-7-005	37°43'53.1951"N 122°22'11.1059"W
8/21/2006	15:10:18	6	50	3170	3860	3510	3740	3490	3810	3720	3730	3780	4230	4410	3770	A-7-005	37°43'53.1509"N 122°22'11.1567"W
8/21/2006	15:10:24	6	50	4340	4380	3820	4080	3570	4030	3910	3490	3650	4060	3780	3910	A-7-005	37°43'53.0823"N 122°22'11.2213"W
8/21/2006	15:10:30	6	50	4270	4460	3880	3980	3650	4340	3960	3540	4350	3970	4090	4150	A-7-005	37°43'53.0810"N 122°22'11.2416"W
8/21/2006	15:10:36	6	50	5890	6420	5890	5980	5370	5680	4890	5030	4590	4830	4380	4120	A-7-005	37°43'53.0278"N 122°22'11.2687"W
8/21/2006	15:10:42	6	50	6400	6710	6870	6540	6150	5820	6630	6200	6480	6530	6510	6340	A-7-005	37°43'52.9839"N 122°22'11.3025"W
8/21/2006	15:10:48	6	50	6510	6690	6510	6610	6350	6220	6530	5740	6560	6760	6600	6240	A-7-005	37°43'52.9435"N 122°22'11.3290"W
8/21/2006	15:10:54	6	50	5770	6610	6310	6050	5800	5560	5680	5930	6270	6670	6600	5630	A-7-005	37°43'52.8970"N 122°22'11.3585"W
8/21/2006	15:14:00	6	50	6060	6630	6690	6780	6360	6730	6160	6550	6350	6840	6540	6040	A-7-005	37°43'52.9258"N 122°22'11.2524"W
8/21/2006	15:14:06	6	50	6040	6820	6130	6840	6190	6670	6140	6300	6860	6750	6430	6430	A-7-005	37°43'52.9312"N 122°22'11.1911"W
8/21/2006	15:14:12	6	50	4840	5160	4530	4930	4750	5330	5600	5240	5250	6480	5890	6070	A-7-005	37°43'52.9397"N 122°22'11.1393"W
8/21/2006	15:14:18	6	50	4450	4420	4380	4090	3850	3960	4110	4460	4560	4400	4700	4550	A-7-005	37°43'52.9591"N 122°22'11.0756"W
8/21/2006	15:14:24	6	50	4540	4870	4400	4120	4190	4160	4360	4140	4220	4420	4480	4160	A-7-005	37°43'52.9864"N 122°22'11.0108"W
8/21/2006	15:14:30	6	50	6330	6260	6390	5850	5130	5700	5220	5440	5840	5270	5040	5260	A-7-005	37°43'53.0209"N 122°22'10.9510"W
8/21/2006	15:14:36	6	50	6850	7280	7280	7110	6190	6730	6840	7230	6970	7700	6770	6630	A-7-005	37°43'53.0574"N 122°22'10.9019"W
8/21/2006	15:14:42	6	50	7280	7380	7460	7180	6570	7360	6850	6940	7290	7090	6520	7030	A-7-005	37°43'53.1047"N 122°22'10.8447"W
8/21/2006	15:14:48	6	50	6480	7210	6780	6820	6370	6430	7180	6960	6210	7430	6750	6550	A-7-005	37°43'53.1459"N 122°22'10.7987"W
8/21/2006	15:14:54	6	50	6540	7240	7640	7290	6870	6990	7280	7610	6680	6890	6890	6690	A-7-005	37°43'53.1905"N 122°22'10.7496"W
8/21/2006	15:15:00	6	50	6690	7050	7080	7100	6800	6930	7180	7010	6410	6690	7220	7240	A-7-005	37°43'53.2284"N 122°22'10.7132"W
8/21/2006	15:15:06	6	50	6800	7420	7040	7460	6600	6500	6810	7120	6340	6810	7130	6930	A-7-005	37°43'53.2606"N 122°22'10.6780"W
8/21/2006	15:15:12	6	50	6360	5700	5970	6720	5330	6380	6830	6580	6760	7270	7070	6770	A-7-005	37°43'53.2378"N 122°22'10.8182"W
8/21/2006	15:15:18	6	50	6060	6530	6430	6410	5880	6080	6400	6580	6020	6540	6000	6200	A-7-005	37°43'53.2305"N 122°22'10.8827"W
8/21/2006	15:15:24	6	50	5360	5470	5370	5510	4960	5290	6050	5640	5520	5570	6420	5940	A-7-005	37°43'53.2153"N 122°22'10.9408"W
8/21/2006	15:15:30	6	50	5400	5540	5800	5820	4960	4840	5070	5180	5130	5580	4820	5760	A-7-005	37°43'53.1902"N 122°22'10.9993"W
8/21/2006	15:15:36	6	50	4620	4630	4190	4690	3920	4110	4610	4540	4760	5600	5570	4820	A-7-005	37°43'53.1662"N 122°22'11.0428"W
8/21/2006	15:15:42	6	50	3800	4100	3970	4470	3960	3760	4440	4270	4130	5090	4540	3600	A-7-005	37°43'53.1339"N 122°22'11.0880"W
8/21/2006	15:15:48	6	50	4020	3910	4110	4050	3380	3670	3910	3920	3820	4390	3970	3810	A-7-005	37°43'53.1030"N 122°22'11.1250"W

8/21/2006 15:15:54	6	50	3620	3820	4110	3890	3520	3970	4020	4330	3870	4710	3940	3770	A-7-005	37°43'53.0603"N	122°22'11.1704"W
8/21/2006 15:16:00	6	50	4700	4620	5160	3850	3270	4320	4150	3750	3860	4410	4290	4080	A-7-005	37°43'53.0182"N	122°22'11.2099"W
8/21/2006 15:16:06	6	50	6550	6220	6310	6530	5890	6330	6650	6150	6690	6160	6050	5980	A-7-005	37°43'52.9732"N	122°22'11.2517"W
8/21/2006 15:16:12	6	50	6540	6590	6390	6520	5730	6470	6200	6130	6050	6540	6910	6420	A-7-005	37°43'52.9424"N	122°22'11.2765"W
8/21/2006 15:16:18	6	50	6580	7010	6880	6520	6060	6310	6470	6290	6200	6460	6550	6450	A-7-005	37°43'52.9173"N	122°22'11.2973"W
8/21/2006 15:18:50	6	50	5030	5340	5190	6110	5680	5870	5890	6170	6100	6670	6590	6450	A-7-005	37°43'52.9669"N	122°22'11.1623"W
8/21/2006 15:18:56	6	50	4360	4480	4440	4400	3910	3720	4150	3970	3620	5230	4120	4490	A-7-005	37°43'52.9834"N	122°22'11.1137"W
8/21/2006 15:19:02	6	50	3580	3950	4010	4000	3660	4310	3950	4300	4230	4770	4780	4070	A-7-005	37°43'53.0023"N	122°22'11.0653"W
8/21/2006 15:19:08	6	50	4940	5620	5280	4890	4090	5060	4100	4390	4540	4420	4490	4050	A-7-005	37°43'53.0289"N	122°22'11.0162"W
8/21/2006 15:19:14	6	50	5320	5650	6510	4660	5180	6380	5390	5990	6100	5610	5540	5520	A-7-005	37°43'53.0651"N	122°22'10.9564"W
8/21/2006 15:19:20	6	50	6310	6620	7330	7150	6500	6290	6590	6860	6660	6600	6330	6730	A-7-005	37°43'53.1078"N	122°22'10.8949"W
8/21/2006 15:19:26	6	50	6990	7250	7160	7040	6830	6380	6750	6570	6360	7070	6400	6540	A-7-005	37°43'53.1456"N	122°22'10.8456"W
8/21/2006 15:19:32	6	50	6820	6600	7220	6810	6280	6590	6340	6430	6940	7190	7070	6800	A-7-005	37°43'53.1863"N	122°22'10.7989"W
8/21/2006 15:19:38	6	50	6790	7490	6870	6680	6310	6540	6710	6660	6850	6720	6720	6910	A-7-005	37°43'53.2137"N	122°22'10.7730"W
8/21/2006 15:19:44	6	50	6480	6890	7170	6580	6480	6460	6870	6870	6940	6910	6670	6840	A-7-005	37°43'53.2313"N	122°22'10.7551"W
8/21/2006 15:19:50	6	50	6350	5860	5650	6230	5060	5750	6560	6300	5790	7210	6410	6580	A-7-005	37°43'53.1799"N	122°22'10.9145"W
8/21/2006 15:19:56	6	50	6880	6150	5830	6730	5250	5130	5540	5500	5550	6370	5380	5410	A-7-005	37°43'53.1527"N	122°22'10.9828"W
8/21/2006 15:20:02	6	50	4860	4950	4650	5440	4320	5170	5010	5460	5260	6480	5810	5730	A-7-005	37°43'53.1170"N	122°22'11.0503"W
8/21/2006 15:20:08	6	50	4270	3820	3500	3860	3130	3670	3740	3620	3740	4050	4660	4330	A-7-005	37°43'53.0732"N	122°22'11.1069"W
8/21/2006 15:20:14	6	50	3770	4060	4020	4370	3930	3890	3690	3680	4070	4290	3700	3960	A-7-005	37°43'53.0299"N	122°22'11.1431"W
8/21/2006 15:20:20	6	50	4070	4690	5070	4180	4050	4530	4150	4010	3900	4070	3850	3890	A-7-005	37°43'52.9871"N	122°22'11.1748"W
8/21/2006 15:20:26	6	50	4910	6320	6630	4560	5380	6820	4660	4910	5920	4410	4930	5500	A-7-005	37°43'52.9489"N	122°22'11.1979"W
8/21/2006 15:22:22	6	50	3610	4100	4230	3770	3440	3630	4080	3490	3890	4130	4220	4330	A-7-005	37°43'53.0349"N	122°22'11.0754"W
8/21/2006 15:22:28	6	50	4150	3970	4350	4330	3730	3990	4110	4090	3840	3730	4760	4080	A-7-005	37°43'53.0525"N	122°22'11.0427"W
8/21/2006 15:22:34	6	50	3490	3900	3880	3510	3730	3760	3860	4460	4770	4250	4700	5340	A-7-005	37°43'53.0809"N	122°22'10.9986"W
8/21/2006 15:22:40	6	50	5360	5390	5130	4910	3960	4380	3940	4040	4330	4130	3780	4350	A-7-005	37°43'53.1045"N	122°22'10.9590"W
8/21/2006 15:22:46	6	50	6760	6240	6540	7130	6080	7140	5820	6330	6460	6510	5650	5560	A-7-005	37°43'53.1277"N	122°22'10.9125"W
8/21/2006 15:22:52	6	50	6330	7280	7410	6980	6190	7070	7350	6720	6290	6710	7100	6210	A-7-005	37°43'53.1622"N	122°22'10.8455"W
8/21/2006 15:22:58	6	50	7030	7060	7080	6930	6590	6620	6840	6980	6820	7450	6660	6780	A-7-005	37°43'53.1879"N	122°22'10.7935"W
8/21/2006 15:23:04	6	50	6910	7150	6880	7190	6430	6750	6690	6370	6820	6870	6580	6560	A-7-005	37°43'53.2114"N	122°22'10.7459"W
		Maximum:	7660	7900	7640	7750	7380	7460	7360	7610	7650	7840	7540	7700			
		Std Dev:	955.2	939.2	1003.1	985.9	954.1	959.0	969.4	979.0	959.3	951.5	936.6	949.0			
		Average:	5793.9	5989.6	5838.8	5870.7	5344.7	5664.2	5705.5	5682.0	5726.0	6017.8	5800.5	5711.4			
		3 σ Investigation Level:	7194.2	7058.9	7230.0	7020.5	7025.2	7150.9	7291.9	7026.5	7248.2	7118.6	7014.7	7069.7			

Investigation Level Exceeded

OVERBURDEN UNIT 60

GAMMA SCAN DATA

DATE	TIME	COUNT TIME (Seconds)	OUTPUTTIME	CHANNEL1	CHANNEL2	CHANNEL3	CHANNEL4	CHANNEL5	CHANNEL6	CHANNEL7	CHANNEL8	CHANNEL9	CHANNEL10	CHANNEL11	CHANNEL12	Pad #	LATITUDE	LONGITUDE
8/28/2006	15:11:47	6	50	4190	4490	4210	4310	4860	4240	4300	4260	4480	5030	4150	4110	A-16-004	37°43'51.3198"N	122°22'08.5045"W
8/28/2006	15:11:53	6	50	4000	4480	4570	3750	4360	4330	4400	4130	4230	4230	3900	4780	A-16-004	37°43'51.3258"N	122°22'08.4522"W
8/28/2006	15:11:59	6	50	3890	4440	4150	3950	4410	4220	3910	4000	4220	4050	4330	4290	A-16-004	37°43'51.3326"N	122°22'08.3714"W
8/28/2006	15:12:05	6	50	4180	4970	4400	4350	4440	4700	3940	4570	4640	4220	4300	4700	A-16-004	37°43'51.3422"N	122°22'08.3057"W
8/28/2006	15:12:11	6	50	4360	4300	4350	4080	4700	4740	4250	4700	4540	4100	4590	4810	A-16-004	37°43'51.3417"N	122°22'08.2360"W
8/28/2006	15:12:17	6	50	3790	3830	3830	4180	4160	3670	3940	3660	4440	4010	3990	4330	A-16-004	37°43'51.3421"N	122°22'08.1662"W
8/28/2006	15:12:23	6	50	4240	4910	5020	4090	4120	4080	3930	4250	4030	3940	4090	4000	A-16-004	37°43'51.3446"N	122°22'08.1009"W
8/28/2006	15:12:29	6	50	3930	4130	4130	4270	4240	3730	3910	3640	3910	4640	4160	4000	A-16-004	37°43'51.3482"N	122°22'08.0236"W
8/28/2006	15:12:35	6	50	4770	4740	4610	4490	4590	4390	4120	4230	4630	4870	4170	4630	A-16-004	37°43'51.3514"N	122°22'07.9478"W
8/28/2006	15:12:41	6	50	3920	4630	4070	3740	4180	3650	3550	3930	4160	4380	4150	4500	A-16-004	37°43'51.3492"N	122°22'07.8685"W
8/28/2006	15:12:47	6	50	3500	4350	4400	3500	4130	4150	3780	4330	4040	4120	4000	3840	A-16-004	37°43'51.3509"N	122°22'07.8134"W
8/28/2006	15:12:53	6	50	3820	4340	4140	4090	4030	4180	3950	3860	4230	4010	3950	3700	A-16-004	37°43'51.3527"N	122°22'07.7186"W
8/28/2006	15:12:59	6	50	3900	4280	3940	4210	4160	4060	4070	3840	4310	4300	3980	3960	A-16-004	37°43'51.3532"N	122°22'07.6577"W
8/28/2006	15:13:05	6	50	4080	3980	4220	4170	4000	4260	3970	3550	3890	3800	3980	4290	A-16-004	37°43'51.3578"N	122°22'07.5778"W
8/28/2006	15:13:11	6	50	4840	4570	4820	4890	4800	4550	4550	4350	4260	4720	4250	4230	A-16-004	37°43'51.3648"N	122°22'07.5016"W
8/28/2006	15:13:17	6	50	4450	4750	4280	4020	4730	3960	4440	4220	4290	4180	4580	4260	A-16-004	37°43'51.3681"N	122°22'07.4396"W
8/28/2006	15:13:23	6	50	4150	4780	4270	4300	4700	4490	4680	4450	4270	4740	4930	4190	A-16-004	37°43'51.3767"N	122°22'07.3944"W
8/28/2006	15:13:29	6	50	3660	4470	3800	3660	4160	3810	4020	3940	4130	4090	3790	3900	A-16-004	37°43'51.4070"N	122°22'07.3322"W
8/28/2006	15:13:35	6	50	3110	3340	3140	3130	3790	3140	3280	3000	3300	3500	3140	3270	A-16-004	37°43'51.4416"N	122°22'07.2792"W
8/28/2006	15:13:41	6	50	3530	3800	4040	3220	3850	3820	3090	3810	4020	3720	3700	3880	A-16-004	37°43'51.4783"N	122°22'07.2352"W
8/28/2006	15:13:47	6	50	3810	3940	4020	3830	4230	4020	3940	3650	4350	3920	3830	4090	A-16-004	37°43'51.5318"N	122°22'07.1838"W
8/28/2006	15:13:53	6	50	3990	4650	3840	4190	4050	4240	4060	3840	3290	3880	3800	3370	A-16-004	37°43'51.5954"N	122°22'07.1264"W
8/28/2006	15:13:59	6	50	3830	4580	4460	4250	4630	3970	3660	4100	3910	4200	4440	4000	A-16-004	37°43'51.6414"N	122°22'07.0859"W
8/28/2006	15:14:05	6	50	4260	4050	5040	3870	4550	4050	3980	4250	4560	4690	4830	4290	A-16-004	37°43'51.6944"N	122°22'07.0464"W
8/28/2006	15:14:11	6	50	3580	4070	3750	3850	4270	3500	3930	4010	3910	3630	4410	3770	A-16-004	37°43'51.7413"N	122°22'07.0122"W
8/28/2006	15:14:17	6	50	3700	3900	3690	3870	4400	3920	3860	3770	4220	3860	4150	3970	A-16-004	37°43'51.7861"N	122°22'06.9735"W
8/28/2006	15:14:23	6	50	3420	3620	3910	3780	3850	3530	4020	3550	3850	3860	3970	3600	A-16-004	37°43'51.8320"N	122°22'06.9305"W
8/28/2006	15:14:29	6	50	3450	3930	3760	2930	4280	3800	3690	3410	3730	3800	3900	4300	A-16-004	37°43'51.8700"N	122°22'06.8814"W
8/28/2006	15:14:35	6	50	3470	4070	4010	3320	4100	3820	3730	3810	4140	3350	3900	4150	A-16-004	37°43'51.9201"N	122°22'06.8281"W
8/28/2006	15:14:41	6	50	3770	3890	3920	3480	4350	3450	3460	3680	3710	4120	3840	4170	A-16-004	37°43'51.9710"N	122°22'06.7817"W
8/28/2006	15:14:47	6	50	3830	4020	3850	4110	4180	4100	3640	3840	3640	3650	3670	3990	A-16-004	37°43'52.0205"N	122°22'06.7324"W
8/28/2006	15:14:53	6	50	3560	4060	3990	3430	3840	3880	3650	3510	3730	3470	3600	3910	A-16-004	37°43'52.0678"N	122°22'06.6895"W
8/28/2006	15:14:59	6	50	4990	4880	4760	4650	4460	4480	4150	4240	4300	4110	4110	4690	A-16-004	37°43'52.1126"N	122°22'06.6485"W
8/28/2006	15:15:05	6	50	4460	5110	5370	4640	5480	5350	4670	4720	5290	5270	5190	4930	A-16-004	37°43'52.1723"N	122°22'06.6017"W
8/28/2006	15:15:11	6	50	4470	4780	4270	4540	4800	4360	4830	4510	4800	5610	5100	5320	A-16-004	37°43'52.2137"N	122°22'06.6048"W
8/28/2006	15:15:17	6	50	3950	3840	4070	3930	4280	3610	3710	3840	3780	4080	3920	3890	A-16-004	37°43'52.2564"N	122°22'06.6320"W
8/28/2006	15:15:23	6	50	3540	3880	3160	3720	3780	3690	3420	3710	3560	3900	3940	3430	A-16-004	37°43'52.2759"N	122°22'06.6651"W
8/28/2006	15:15:29	6	50	3990	3790	4340	4020	4040	3730	3670	3730	3640	3910	3780	3520	A-16-004	37°43'52.2851"N	122°22'06.7314"W
8/28/2006	15:15:35	6	50	5070	4660	3890	4890	4830	4280	4640	4560	3930	4840	4140	3970	A-16-004	37°43'52.2896"N	122°22'06.7847"W
8/28/2006	15:15:41	6	50	3980	3720	3730	3850	4110	3740	3380	3740	3750	4230	4150	4360	A-16-004	37°43'52.2855"N	122°22'06.8692"W
8/28/2006	15:15:47	6	50	3230	3890	3830	3580	3810	3750	3650	3420	3290	3830	3710	3600	A-16-004	37°43'52.2764"N	122°22'06.9432"W
8/28/2006	15:15:53	6	50	3870	4310	4520	3930	4080	4540	3510	3790	4400	4160	3700	4330	A-16-004	37°43'52.2711"N	122°22'07.0026"W
8/28/2006	15:15:59	6	50	4390	5130	4820	4280	4470	4510	4140	3990	4640	4160	4340	4380	A-16-004	37°43'52.2624"N	122°22'07.0737"W
8/28/2006	15:16:05	6	50	4810	5090	4320	4850	4560	4620	4740	4890	4980	4990	5150	4360	A-16-004	37°43'52.2549"N	122°22'07.1543"W
8/28/2006	15:16:11	6	50	3600	4550	4230	4530	4570	4180	4690	4810	4650	4850	4420	4460	A-16-004	37°43'52.2491"N	122°22'07.2299"W
8/28/2006	15:16:17	6	50	4470	4760	4830	5110	5270	4610	4830	4610	4680	4590	4730	4490	A-16-004	37°43'52.2450"N	122°22'07.2894"W
8/28/2006	15:16:23	6	50	5170	4890	4470	5190	4760	5100	4800	5170	4620	4960	4970	4500	A-16-004	37°43'52.2379"N	122°22'07.3797"W
8/28/2006	15:16:29	6	50	4800	4580	4450	4670	4900	4470	5150	4790	4520	4680	4750	4190	A-16-004	37°43'52.2326"N	122°22'07.4424"W
8/28/2006	15:16:35	6	50	4590	4790	4520	4580	4420	3890	4230	3860	4170	5240	4550	4200	A-16-004	37°43'52.2212"N	122°22'07.5196"W
8/28/2006	15:16:41	6	50	4420	4830	4320	4500	4740	4380	4250	4590	4260	4550	4990	4340	A-16-004	37°43'52.2167"N	122°22'07.5774"W
8/28/2006	15:16:47	6	50	4480	4950	4810	4730	4870	4420	4490	4050	4530	4490	4260	4650	A-16-004	37°43'52.2152"N	122°22'07.6578"W
8/28/2006	15:16:53	6	50	4820	4940	4500	4240	4860	4770	4530	4140	4240	4300	4850	4750	A-16-004	37°43'52.1993"N	122°22'07.7075"W
8/28/2006	15:16:59	6	50	5050	4710	5350	5190	5650	4730	4770	4730	4850	5040	4990	4560	A-16-004	37°43'52.1650"N	122°22'07.7641"W
8/28/2006	15:17:05	6	50	5200	5290	4850	5360	4820	4740	5190	5530	5390	4950	5410	5560	A-16-004	37°43'52.0970"N	122°22'07.8296"W
8/28/2006	15:17:11	6	50	5300	5100	4710	5300	5250	4480	5250	4630	4950	4890	4810	4780	A-16-004	37°43'52.0715"N	122°22'07.8542"W
8/28/2006	15:17:17	6	50	4220	4460	3950	5110	4530	4080	4820	4280	4060	5070	4680	3890	A-16-004	37°43'52.0242"N	122°22'07.8972"W
8/28/2006	15:17:23	6	50	4260	4340	4790	4650	4500	4240	4350	4280	4070	4530	4150	3850	A-16-004	37°43'51.9513"N	122°22'07.9602"W
8/28/2006	15:17:29	6	50	4330	4690	4770	4460	4360	4460	4330	4610	4620	4860	3950	4690	A-16-004	37°43'51.9322"N	122°22'07.9770"W
8/28/2006	15:17:35	6	50	4830	4670	4360	4430	4480	4430	4410	4320	4370	4720	4220	4380	A-16-004	37°43'51.8680"N	122°22'08.0348"W
8/28/2006	15:17:41	6	50	4620	4860	4860	4620	4470	4340	4540	4540	4430	4870	4340	4590	A-16-004	37°43'51.8478"N	122°22'08.0547"W
8/28/2006	15:17:47	6	50	5150	5290	4620	5130	5100	4690	4870	4700	4410	5340	4500	4540	A-16-004	37°43'51.8009"N	122°22'08.1020"W
8/28/2006	15:17:53	6	50	4470	5040	4280	5050	5020	4630	5240	5070	4880	5060	5260	4890	A-16-004	37°43'51.7614"N	122°22'08.1386"W

8/28/2006	15:17:59	6	50	4810	5370	5060	4850	4940	5280	5200	4680	4910	5300	4710	5090	A-16-004	37°43'51.7017"N	122°22'08.1958"W
8/28/2006	15:18:05	6	50	4720	5240	5140	5390	5350	5290	5410	4900	5270	5350	5120	5600	A-16-004	37°43'51.6728"N	122°22'08.2258"W
8/28/2006	15:18:11	6	50	4790	5310	4460	4940	5480	4430	4670	5060	4770	5510	4890	4950	A-16-004	37°43'51.6270"N	122°22'08.2724"W
8/28/2006	15:18:17	6	50	4250	4670	4220	4780	4260	4430	4500	4760	4710	4440	4480	4810	A-16-004	37°43'51.5677"N	122°22'08.3336"W
8/28/2006	15:18:23	6	50	3660	3920	3610	3570	4220	3830	3780	3690	4320	4210	3860	4240	A-16-004	37°43'51.4890"N	122°22'08.4123"W
8/28/2006	15:18:29	6	50	3460	4050	3830	3790	4090	3760	3370	3460	3970	3900	3750	3790	A-16-004	37°43'51.4426"N	122°22'08.4480"W
8/28/2006	15:18:35	6	50	3720	3970	4010	3790	4050	3520	3730	3740	3940	3920	4090	4010	A-16-004	37°43'51.4053"N	122°22'08.4750"W
8/28/2006	15:18:41	6	50	3750	4010	3610	3720	3810	3520	3730	3990	3620	3640	3750	4030	A-16-004	37°43'51.3631"N	122°22'08.5027"W
8/28/2006	15:24:40	6	50	3710	4030	3410	3600	4020	3650	3420	3580	3780	3740	3590	3880	A-16-004	37°43'51.3769"N	122°22'08.3991"W
8/28/2006	15:24:46	6	50	3680	3820	3560	3390	3960	3440	3790	3560	3650	3900	3500	3770	A-16-004	37°43'51.4024"N	122°22'08.3914"W
8/28/2006	15:24:52	6	50	3760	4220	4190	3870	3860	3790	3690	3560	3670	4040	3750	3840	A-16-004	37°43'51.4024"N	122°22'08.3180"W
8/28/2006	15:24:58	6	50	3520	4110	3940	3900	4160	3710	3620	4060	4020	4180	4070	3910	A-16-004	37°43'51.4031"N	122°22'08.2174"W
8/28/2006	15:25:04	6	50	4260	4570	4200	4090	4210	3980	3800	3740	3730	4200	3760	3880	A-16-004	37°43'51.4030"N	122°22'08.1721"W
8/28/2006	15:25:10	6	50	4250	4610	4020	4200	4380	3940	4260	4280	4000	4450	4140	4130	A-16-004	37°43'51.4054"N	122°22'08.0849"W
8/28/2006	15:25:16	6	50	4490	4750	4650	4300	4480	4050	4270	4260	4220	4430	4160	4100	A-16-004	37°43'51.4081"N	122°22'08.0123"W
8/28/2006	15:25:22	6	50	3830	4170	4100	4260	4300	4160	4210	4370	4410	4470	4530	4360	A-16-004	37°43'51.3901"N	122°22'07.9209"W
8/28/2006	15:25:28	6	50	4100	3890	4170	3980	3950	3920	3820	3800	3660	4100	3810	3970	A-16-004	37°43'51.4117"N	122°22'07.8490"W
8/28/2006	15:25:34	6	50	3600	4660	4260	3900	3700	3800	3720	3950	3770	3960	4270	3850	A-16-004	37°43'51.4155"N	122°22'07.7787"W
8/28/2006	15:25:40	6	50	3710	4280	3680	3790	3560	3930	3640	3530	3530	4440	3720	3250	A-16-004	37°43'51.3991"N	122°22'07.6508"W
8/28/2006	15:25:46	6	50	3620	3600	3800	3730	3600	4090	3300	3890	3660	4050	3900	3600	A-16-004	37°43'51.4212"N	122°22'07.5954"W
8/28/2006	15:25:52	6	50	3690	4520	4520	3870	4090	4100	3750	4040	4280	4020	4000	4040	A-16-004	37°43'51.4251"N	122°22'07.5118"W
8/28/2006	15:25:58	6	50	4140	4550	4030	4600	4530	4560	4220	3970	4340	4430	4590	4430	A-16-004	37°43'51.4304"N	122°22'07.4652"W
8/28/2006	15:26:04	6	50	3890	4130	3520	4000	3830	3980	3920	3840	3800	4780	4040	4570	A-16-004	37°43'51.4543"N	122°22'07.3842"W
8/28/2006	15:26:10	6	50	3610	3350	3350	3470	3930	3130	3220	3600	3300	3240	3860	3450	A-16-004	37°43'51.4890"N	122°22'07.3250"W
8/28/2006	15:26:16	6	50	3180	3420	3200	3690	3660	2750	3660	3120	3460	3550	3540	3550	A-16-004	37°43'51.5376"N	122°22'07.2643"W
8/28/2006	15:26:22	6	50	3640	4130	3690	3700	3930	3540	3420	3700	3630	3630	3600	3660	A-16-004	37°43'51.5826"N	122°22'07.2206"W
8/28/2006	15:26:28	6	50	3850	4080	3740	3220	4340	3460	3600	3190	3520	3660	3750	3520	A-16-004	37°43'51.6282"N	122°22'07.1791"W
8/28/2006	15:26:34	6	50	3670	3720	3600	3400	3740	3680	3330	3330	3740	4180	4070	3580	A-16-004	37°43'51.6975"N	122°22'07.1172"W
8/28/2006	15:26:40	6	50	3960	4250	4520	4350	4620	3820	4360	3990	4280	4700	4160	4390	A-16-004	37°43'51.7221"N	122°22'07.0912"W
8/28/2006	15:26:46	6	50	3550	4370	4160	3810	4450	4160	3680	3450	3950	4380	4250	4140	A-16-004	37°43'51.7707"N	122°22'07.0463"W
8/28/2006	15:26:52	6	50	3960	3870	4080	3800	3940	3770	3790	3710	4170	3920	3710	3840	A-16-004	37°43'51.8257"N	122°22'06.9920"W
8/28/2006	15:26:58	6	50	3440	4100	3700	3790	4160	3570	3700	3880	3650	4450	3870	4090	A-16-004	37°43'51.8783"N	122°22'06.9449"W
8/28/2006	15:27:04	6	50	3440	3770	3660	3740	4090	3500	3490	3680	3820	3790	3760	3150	A-16-004	37°43'51.9354"N	122°22'06.8939"W
8/28/2006	15:27:10	6	50	3700	3720	4170	3760	4000	3850	3680	3850	3790	4050	3900	3570	A-16-004	37°43'51.9829"N	122°22'06.8524"W
8/28/2006	15:27:16	6	50	3590	4030	3660	3540	3630	3580	3270	3760	3550	4010	3600	3540	A-16-004	37°43'52.0402"N	122°22'06.7980"W
8/28/2006	15:27:22	6	50	3280	3870	3700	3570	3920	3320	3560	3490	3890	3530	3680	3740	A-16-004	37°43'52.0894"N	122°22'06.7538"W
8/28/2006	15:27:28	6	50	4980	5420	5340	5350	5350	5150	5040	5130	5050	4780	5090	4830	A-16-004	37°43'52.2069"N	122°22'06.7158"W
8/28/2006	15:27:34	6	50	4880	4530	4350	4630	4910	4340	5060	4430	4880	4800	4930	5140	A-16-004	37°43'52.2260"N	122°22'06.6956"W
8/28/2006	15:27:40	6	50	3840	4780	4280	4500	5070	4260	4550	4210	4370	4790	4370	3720	A-16-004	37°43'52.2586"N	122°22'06.7438"W
8/28/2006	15:27:46	6	50	4520	5180	5090	4350	5190	5020	4200	4720	4650	4460	4800	4430	A-16-004	37°43'52.2496"N	122°22'06.7517"W
8/28/2006	15:27:52	6	50	3680	3760	3340	3880	3660	3720	3540	3230	3430	4350	3740	3690	A-16-004	37°43'52.2490"N	122°22'06.8314"W
8/28/2006	15:27:58	6	50	3370	3940	3270	3280	3470	3090	3140	3320	3430	3450	3220	3520	A-16-004	37°43'52.2395"N	122°22'06.9245"W
8/28/2006	15:28:04	6	50	4840	3970	4240	4110	4540	3140	3460	3530	3290	3390	3460	3660	A-16-004	37°43'52.2286"N	122°22'07.0135"W
8/28/2006	15:28:10	6	50	5030	4810	5230	4740	5200	4840	4690	4620	4910	5130	5020	4930	A-16-004	37°43'52.2178"N	122°22'07.0969"W
8/28/2006	15:28:16	6	50	4950	5050	4960	4940	5310	4990	4670	5180	4740	5470	4730	4650	A-16-004	37°43'52.2119"N	122°22'07.1777"W
8/28/2006	15:28:22	6	50	4550	5040	4850	4920	5300	4840	4610	4710	4860	5200	4600	4950	A-16-004	37°43'52.2028"N	122°22'07.2624"W
8/28/2006	15:28:28	6	50	4760	5190	4990	4660	5060	4890	4800	4480	4750	5420	4560	4830	A-16-004	37°43'52.2025"N	122°22'07.2635"W
8/28/2006	15:28:34	6	50	5200	4590	5360	5060	5090	4500	4990	4660	5040	5060	4960	5070	A-16-004	37°43'52.1971"N	122°22'07.3363"W
8/28/2006	15:28:40	6	50	4500	5090	4760	4910	4920	4560	4590	4880	5250	5080	4730	5060	A-16-004	37°43'52.1873"N	122°22'07.4102"W
8/28/2006	15:28:46	6	50	4520	4760	4880	4560	5130	4840	5220	4650	4870	5270	4840	4430	A-16-004	37°43'52.1795"N	122°22'07.4813"W
8/28/2006	15:28:52	6	50	4530	4830	4640	4380	4810	4290	4090	4450	4410	4490	4860	4330	A-16-004	37°43'52.1621"N	122°22'07.5923"W
8/28/2006	15:28:58	6	50	5030	5300	4830	4340	4980	4180	4160	4880	4630	4700	4720	4000	A-16-004	37°43'52.1375"N	122°22'07.6578"W
8/28/2006	15:29:04	6	50	5310	5380	5620	5400	5630	4960	5300	5250	5360	5730	5280	5050	A-16-004	37°43'52.1176"N	122°22'07.7389"W
8/28/2006	15:29:10	6	50	5220	5700	5620	5370	5620	5220	5510	5270	5420	5240	5500	5190	A-16-004	37°43'52.1190"N	122°22'07.7388"W
8/28/2006	15:29:16	6	50	5030	5780	5610	4630	5600	5050	5120	5340	5000	5510	5360	5190	A-16-004	37°43'52.0745"N	122°22'07.7977"W
8/28/2006	15:29:22	6	50	4250	4630	4480	4370	4630	4450	3790	4220	4330	4550	4460	4380	A-16-004	37°43'51.9756"N	122°22'07.8949"W
8/28/2006	15:29:28	6	50	4640	5090	4410	4680	4590	4460	4070	4510	4560	4490	4390	4440	A-16-004	37°43'51.8707"N	122°22'07.9665"W
8/28/2006	15:29:34	6	50	4440	4630	4430	4490	4450	4490	4140	4080	4700	4310	4310	4220	A-16-004	37°43'51.8706"N	122°22'07.9663"W
8/28/2006	15:29:40	6	50	4480	5080	4560	4150	5020	4310	4630	4180	4590	4440	4420	4440	A-16-004	37°43'51.8287"N	122°22'08.0035"W
8/28/2006	15:29:46	6	50	5350	5180	5270	5510	5360	5050	5530	4900	5210	4890	4990	5350	A-16-004	37°43'51.7434"N	122°22'08.0835"W
8/28/2006	15:29:52	6	50	5170	5100	4760	5250	5240	5280	4580	4970	4660	5380	4850	4950	A-16-004	37°43'51.7076"N	122°22'08.1142"W
8/28/2006	15:29:58	6	50	5030	5070	5000	5420	5310	5240	5530	4980	4910	5440	5170	5320	A-16-004	37°43'51.6649"N	122°22'08.1541"W
8/28/2006	15:30:04	6	50	4860	4960	5330	4630	5040	5080	4780	4880	5270	5600	5320	5090	A-16-004	37°43'51.6286"N	122°22'08.1910"W
8/28/2006	15:30:10	6	50	4020	4030	3880	4070	4590	3540	4060	3740	4090	4240	4390	4420	A-16-004	37°43'51.5213"N	122°22'08.2961"W
8/28/2006	15:30:16	6	50	3790	4050	3730	3810	4020	3590	3720	3570	3710	3330	3690	3580	A-16-004	37°43'51.4749"N	122°22'08.3421"W
8/28/2006	15:30:22	6	50	3540	3970	3710	4040	3880	3380	3710	3380	3450	3960	3800	3710	A-16-004	37°43'51.4197"N	122°22'08.3952"W

8/28/2006	15:58:08	6	50	3430	3700	3620	3630	4040	3820	3520	3410	3850	3830	3820	3830	A-16-004	37°43'51.4743"N	122°22'08.1926"W
8/28/2006	15:58:14	6	50	3650	3630	3690	3710	3950	3760	3320	3640	3830	4040	3630	3750	A-16-004	37°43'51.4741"N	122°22'08.1047"W
8/28/2006	15:58:20	6	50	4150	4380	3940	3850	4160	4110	4020	4190	3580	4030	4280	3990	A-16-004	37°43'51.4754"N	122°22'08.0476"W
8/28/2006	15:58:26	6	50	4240	4860	4430	4390	4360	4500	4590	4330	4040	4810	4160	4360	A-16-004	37°43'51.4795"N	122°22'07.9746"W
8/28/2006	15:58:32	6	50	4210	4760	4740	4030	4710	4250	4170	4100	4180	4770	4390	4040	A-16-004	37°43'51.4866"N	122°22'07.9023"W
8/28/2006	15:58:38	6	50	3780	4210	3980	4280	4320	4030	4150	4360	3990	4710	4460	4150	A-16-004	37°43'51.4870"N	122°22'07.8398"W
8/28/2006	15:58:44	6	50	3650	3650	3410	4300	3850	3240	3790	3840	3950	3780	3800	3470	A-16-004	37°43'51.4902"N	122°22'07.7686"W
8/28/2006	15:58:50	6	50	3620	4080	3700	3720	3790	3750	4080	3570	3840	4300	4020	3900	A-16-004	37°43'51.4916"N	122°22'07.6886"W
8/28/2006	15:58:56	6	50	4460	4210	4270	3810	4420	3960	4030	3980	3910	3680	3520	3780	A-16-004	37°43'51.4913"N	122°22'07.6040"W
8/28/2006	15:59:02	6	50	4560	4730	4040	4300	4520	3820	4260	4140	3850	4930	4340	4090	A-16-004	37°43'51.4993"N	122°22'07.5416"W
8/28/2006	15:59:08	6	50	4520	5100	4990	4550	4830	4560	4100	4760	4470	4580	4630	4810	A-16-004	37°43'51.5129"N	122°22'07.4865"W
8/28/2006	15:59:14	6	50	4250	4690	4320	4340	4860	4440	5190	4620	4260	5170	4520	4200	A-16-004	37°43'51.5294"N	122°22'07.4428"W
8/28/2006	15:59:20	6	50	3580	4130	4080	4240	3770	4060	3610	3920	3820	3850	4100	3790	A-16-004	37°43'51.5633"N	122°22'07.3832"W
8/28/2006	15:59:26	6	50	4040	3910	3930	4340	4100	4100	4110	4350	4190	4480	4450	3750	A-16-004	37°43'51.6046"N	122°22'07.3307"W
8/28/2006	15:59:32	6	50	3700	3590	3420	3630	4350	3270	3570	3590	3590	3960	3730	3870	A-16-004	37°43'51.6542"N	122°22'07.2805"W
8/28/2006	15:59:38	6	50	3400	3330	3020	3080	3660	3310	3300	3030	3320	3620	3110	3180	A-16-004	37°43'51.7102"N	122°22'07.1971"W
8/28/2006	15:59:44	6	50	3710	4400	4740	3450	4110	3970	3280	3630	3950	3640	3530	4020	A-16-004	37°43'51.7793"N	122°22'07.1284"W
8/28/2006	15:59:50	6	50	4110	4400	3710	3750	4130	3810	3630	4040	4280	4210	3790	4020	A-16-004	37°43'51.8019"N	122°22'07.1076"W
8/28/2006	15:59:56	6	50	4130	4040	4030	3840	4150	3860	4050	4000	3890	4290	3760	4030	A-16-004	37°43'51.8550"N	122°22'07.0598"W
8/28/2006	16:00:02	6	50	4170	4470	3980	3940	4270	3800	3800	3500	3910	3840	3860	3960	A-16-004	37°43'51.8933"N	122°22'07.0217"W
8/28/2006	16:00:08	6	50	3330	4210	3720	3930	4520	3690	3700	3970	3760	4580	4100	3470	A-16-004	37°43'51.9428"N	122°22'06.9729"W
8/28/2006	16:00:14	6	50	4020	5080	3680	4140	3850	3580	3620	3690	3790	4060	4020	3780	A-16-004	37°43'51.9861"N	122°22'06.9275"W
8/28/2006	16:00:20	6	50	3700	3670	3660	3970	4030	3660	3930	3750	3770	4450	4010	4320	A-16-004	37°43'52.0324"N	122°22'06.8791"W
8/28/2006	16:00:26	6	50	3270	4080	3440	4200	3960	3510	3440	3590	3740	3810	3520	3580	A-16-004	37°43'52.0746"N	122°22'06.8343"W
8/28/2006	16:00:32	6	50	3790	3690	3870	4090	4290	3340	3940	3470	3990	3860	3570	3670	A-16-004	37°43'52.1161"N	122°22'06.7894"W
8/28/2006	16:00:38	6	50	4000	3630	3890	3980	3680	3690	4060	3860	3610	3910	3630	3710	A-16-004	37°43'52.1589"N	122°22'06.7486"W
8/28/2006	16:00:44	6	50	4370	4790	4260	4550	4820	3920	4430	3900	4460	4610	4070	3930	A-16-004	37°43'52.1938"N	122°22'06.7174"W
8/28/2006	16:00:50	6	50	4110	4230	4040	4100	4080	4150	3960	4120	4030	4250	4170	4330	A-16-004	37°43'52.1795"N	122°22'06.8183"W
8/28/2006	16:00:56	6	50	3890	4590	4040	3850	4300	3860	3850	4000	3690	4190	4070	4270	A-16-004	37°43'52.1791"N	122°22'06.8961"W
8/28/2006	16:01:02	6	50	3760	4410	3450	3860	3680	3390	3760	3520	3680	4480	3830	3870	A-16-004	37°43'52.1771"N	122°22'06.9623"W
8/28/2006	16:01:08	6	50	3820	4090	3660	3980	4050	4000	3850	3580	3840	4010	3670	3910	A-16-004	37°43'52.1732"N	122°22'07.0382"W
8/28/2006	16:01:14	6	50	3740	4030	4110	3940	4030	3940	3670	4080	4120	4150	4470	4000	A-16-004	37°43'52.1655"N	122°22'07.1252"W
8/28/2006	16:01:20	6	50	4020	4360	4160	3850	4020	4150	4100	4260	4290	4300	4150	4400	A-16-004	37°43'52.1560"N	122°22'07.1986"W
8/28/2006	16:01:26	6	50	3760	4070	4010	3490	4080	3790	3430	3890	4010	3980	3880	3870	A-16-004	37°43'52.1462"N	122°22'07.2728"W
8/28/2006	16:01:32	6	50	3740	4490	4820	3990	4440	4200	4150	4190	4290	4380	3950	4070	A-16-004	37°43'52.1375"N	122°22'07.3478"W
8/28/2006	16:01:38	6	50	3650	4000	3910	3700	4020	4240	3270	3210	3700	4130	3820	3880	A-16-004	37°43'52.1205"N	122°22'07.4530"W
8/28/2006	16:01:44	6	50	4300	4700	4090	4170	3650	4080	4400	3660	4400	4090	4160	4020	A-16-004	37°43'52.1000"N	122°22'07.5390"W
8/28/2006	16:01:50	6	50	3940	4150	3960	4110	4370	4160	3990	3900	4080	4680	4370	4020	A-16-004	37°43'52.0773"N	122°22'07.5939"W
8/28/2006	16:01:56	6	50	3770	3970	3660	3650	3810	3760	3700	3530	3810	3720	3720	3810	A-16-004	37°43'52.0257"N	122°22'07.6720"W
8/28/2006	16:02:02	6	50	4100	3900	4150	3770	3810	4130	3770	3990	3950	3940	3920	3960	A-16-004	37°43'51.9877"N	122°22'07.7193"W
8/28/2006	16:02:08	6	50	4410	4470	4300	4300	4610	4500	3550	4340	4540	4220	3990	4110	A-16-004	37°43'51.9370"N	122°22'07.7709"W
8/28/2006	16:02:14	6	50	4490	4830	4160	4310	4790	4410	4480	4420	4680	4720	4340	4600	A-16-004	37°43'51.8820"N	122°22'07.8250"W
8/28/2006	16:02:20	6	50	4000	4740	4240	4240	4110	4150	4360	4320	4290	4230	4290	4180	A-16-004	37°43'51.8075"N	122°22'07.9011"W
8/28/2006	16:02:26	6	50	3960	3880	3880	3650	4360	4010	3340	3750	3840	3970	3750	4080	A-16-004	37°43'51.7887"N	122°22'07.9198"W
8/28/2006	16:02:32	6	50	4030	5070	4530	4180	4120	4420	3590	3660	4560	3850	4370	4380	A-16-004	37°43'51.7379"N	122°22'07.9690"W
8/28/2006	16:02:38	6	50	4200	4330	4800	4500	4760	4440	4260	4060	4370	4370	4660	5100	A-16-004	37°43'51.6858"N	122°22'08.0170"W
8/28/2006	16:02:44	6	50	4030	4270	4830	4100	4490	4590	3850	3560	4400	4110	4080	4230	A-16-004	37°43'51.6394"N	122°22'08.0613"W
8/28/2006	16:02:50	6	50	4050	4800	4850	3930	4810	5090	3890	4970	4990	4210	4250	5060	A-16-004	37°43'51.5971"N	122°22'08.1024"W
8/28/2006	16:02:56	6	50	3670	4220	4420	3980	4330	4520	3670	4270	4030	4340	3990	4230	A-16-004	37°43'51.5478"N	122°22'08.1535"W
8/28/2006	16:03:02	6	50	4230	4320	3630	3990	4340	3720	3760	3820	3700	4260	4340	4350	A-16-004	37°43'51.5219"N	122°22'08.1789"W
8/28/2006	16:03:08	6	50	3980	4020	3630	4140	3900	3680	3460	3600	3700	4090	4060	4120	A-16-004	37°43'51.5015"N	122°22'08.1978"W
8/28/2006	16:08:13	6	50	4040	4090	3720	3940	4110	3540	3980	3960	4150	3700	3580	3760	A-16-004	37°43'51.5126"N	122°22'08.1462"W
8/28/2006	16:08:19	6	50	3630	4140	3740	4250	4110	3630	3870	3700	3770	4020	4030	3900	A-16-004	37°43'51.5147"N	122°22'08.0897"W
8/28/2006	16:08:25	6	50	3540	4480	4050	4060	4090	3850	3610	3680	4170	4130	4060	3830	A-16-004	37°43'51.5156"N	122°22'08.0337"W
8/28/2006	16:08:31	6	50	4050	4170	4280	4280	4330	4420	3890	4000	4100	4390	4300	4280	A-16-004	37°43'51.5182"N	122°22'07.9689"W
8/28/2006	16:08:37	6	50	4150	4230	4320	4060	3800	4470	4170	4040	4460	3980	4130	4660	A-16-004	37°43'51.5213"N	122°22'07.8621"W
8/28/2006	16:08:43	6	50	4180	4600	3960	4110	4120	4020	4110	4340	4610	4130	4150	3870	A-16-004	37°43'51.5240"N	122°22'07.7963"W
8/28/2006	16:08:49	6	50	4080	4100	3670	4650	4040	4150	4000	3720	4180	4130	3900	4340	A-16-004	37°43'51.5293"N	122°22'07.6933"W
8/28/2006	16:08:55	6	50	4390	4640	4060	4750	4330	3870	4200	4090	4000	4500	4130	3790	A-16-004	37°43'51.5358"N	122°22'07.6111"W
8/28/2006	16:09:01	6	50	4790	4810	5000	4600	4770	4880	4560	4420	4640	5010	4670	4160	A-16-004	37°43'51.5443"N	122°22'07.5419"W
8/28/2006	16:09:07	6	50	4710	4840	4790	4860	4710	4620	4180	4610	4940	4660	4390	4320	A-16-004	37°43'51.5477"N	122°22'07.5313"W
8/28/2006	16:09:13	6	50	4500	4600	4470	4160	4700	4970	4450	4170	4320	5040	4730	5060	A-16-004	37°43'51.5730"N	122°22'07.4475"W
8/28/2006	16:09:19	6	50	4050	4720	4320	4560	4270	4540	4060	4060	4470	4600	4230	4060	A-16-004	37°43'51.6084"N	122°22'07.3829"W
8/28/2006	16:09:25	6	50	4280	4200	4410	4240	4460	4210	4170	4030	4120	4220	4490	3930	A-16-004	37°43'51.6071"N	122°22'07.3832"W
8/28/2006	16:09:31	6	50	4000	4790	3950	4320	4310	3820	3840	4550	4180	4320	4520	4400	A-16-004	37°43'51.6555"N	122°22'07.3197"W
8/28/2006	16:09:37	6	50	3680	4420	3880	4140	4230	3620	4190	4570	4140	4390	4350	3960	A-16-004	37°43'51.6552"N	122°22'07.3181"W

8/28/2006	16:09:43	6	50	3950	3940	3690	3910	4110	3630	3520	3940	3610	4060	3990	3860	A-16-004	37°43'51.6927"N	122°22'07.2739"W
8/28/2006	16:09:49	6	50	3720	4070	3950	3720	4270	3270	3510	3580	3670	4230	3700	3470	A-16-004	37°43'51.7382"N	122°22'07.2240"W
8/28/2006	16:09:55	6	50	3620	4090	3890	3670	3930	3590	3820	3390	3510	4490	3910	3600	A-16-004	37°43'51.7391"N	122°22'07.2253"W
8/28/2006	16:10:01	6	50	3810	4310	3570	3830	3830	3450	3680	3560	3730	3740	3890	3540	A-16-004	37°43'51.7907"N	122°22'07.1772"W
8/28/2006	16:10:07	6	50	3810	4100	4070	3860	4290	3380	3750	3750	3820	4170	4080	3800	A-16-004	37°43'51.8418"N	122°22'07.1256"W
8/28/2006	16:10:13	6	50	3670	4250	3790	4100	3580	3530	3770	4010	3700	4110	3630	3780	A-16-004	37°43'51.8866"N	122°22'07.0818"W
8/28/2006	16:10:19	6	50	4500	4220	4010	4150	4110	3870	4230	4060	3990	4080	4070	4290	A-16-004	37°43'51.9430"N	122°22'07.0295"W
8/28/2006	16:10:25	6	50	3800	4110	3770	3720	4090	3570	3870	3880	3600	3970	4300	4030	A-16-004	37°43'51.9963"N	122°22'06.9773"W
8/28/2006	16:10:31	6	50	3650	3970	4010	3780	3720	3960	3860	3900	3970	4230	3990	4470	A-16-004	37°43'52.0428"N	122°22'06.9289"W
8/28/2006	16:10:37	6	50	3660	3980	3880	3700	3800	3430	4010	3860	3570	4210	3550	3930	A-16-004	37°43'52.0879"N	122°22'06.8802"W
8/28/2006	16:10:43	6	50	3750	4290	3680	3670	3780	3550	3800	4070	3660	4090	3620	3430	A-16-004	37°43'52.1290"N	122°22'06.8388"W
8/28/2006	16:10:49	6	50	4090	4720	4020	4080	3990	3680	3960	3990	4090	4350	4210	4030	A-16-004	37°43'52.1791"N	122°22'06.7900"W
8/28/2006	16:10:55	6	50	4170	4660	4310	4350	4590	3710	4220	4170	4130	4040	4320	4260	A-16-004	37°43'52.2070"N	122°22'06.7636"W
8/28/2006	16:11:01	6	50	4000	4130	3560	4170	4330	4130	4010	3610	3780	4260	4050	4120	A-16-004	37°43'52.1628"N	122°22'06.9101"W
8/28/2006	16:11:07	6	50	3460	4140	3720	3810	3930	3720	3890	3960	3900	3950	4120	3840	A-16-004	37°43'52.1550"N	122°22'06.9790"W
8/28/2006	16:11:13	6	50	3730	4050	3720	3840	4120	4150	3610	3680	3810	3620	4210	3740	A-16-004	37°43'52.1451"N	122°22'07.0558"W
8/28/2006	16:11:19	6	50	3880	4110	4110	3860	4240	3590	3610	3560	3460	4330	3690	3780	A-16-004	37°43'52.1376"N	122°22'07.1423"W
8/28/2006	16:11:25	6	50	3470	4200	4020	3810	4030	4050	3470	3820	3790	4200	4290	3890	A-16-004	37°43'52.1263"N	122°22'07.2160"W
8/28/2006	16:11:31	6	50	3470	4420	4090	3590	3950	3860	3740	3160	3630	4100	3960	3190	A-16-004	37°43'52.1140"N	122°22'07.2960"W
8/28/2006	16:11:37	6	50	4370	4060	3960	3790	4130	3920	4040	4210	4140	4110	4640	4480	A-16-004	37°43'52.1011"N	122°22'07.3710"W
8/28/2006	16:11:43	6	50	4130	4170	3930	4150	4290	3560	4200	3990	3920	4310	4230	4750	A-16-004	37°43'52.0839"N	122°22'07.4509"W
8/28/2006	16:11:49	6	50	4340	4420	4160	4020	4060	4300	4080	3990	4200	4530	3840	4230	A-16-004	37°43'52.0587"N	122°22'07.5266"W
8/28/2006	16:11:55	6	50	3820	4210	3770	4190	3910	3930	3840	4050	4060	3860	4090	4080	A-16-004	37°43'52.0213"N	122°22'07.5996"W
8/28/2006	16:12:01	6	50	3870	4000	3720	3890	3930	3030	3840	3780	3640	4370	4010	3910	A-16-004	37°43'51.9724"N	122°22'07.6654"W
8/28/2006	16:12:07	6	50	4030	4460	4340	4090	4540	4210	3690	4040	3880	4330	3810	3980	A-16-004	37°43'51.9200"N	122°22'07.7242"W
8/28/2006	16:12:13	6	50	4120	4320	3860	4620	4540	4310	4220	4050	4520	4360	4620	4600	A-16-004	37°43'51.8723"N	122°22'07.7740"W
8/28/2006	16:12:19	6	50	3980	4430	4150	4500	4580	4060	4470	4650	4350	4120	4110	4240	A-16-004	37°43'51.8299"N	122°22'07.8125"W
8/28/2006	16:12:25	6	50	3800	3830	3780	3660	3820	3610	3460	3590	3580	3820	4210	3270	A-16-004	37°43'51.7668"N	122°22'07.8764"W
8/28/2006	16:12:31	6	50	3850	4040	3820	3540	3540	3510	3620	3900	4050	3480	3880	3570	A-16-004	37°43'51.7410"N	122°22'07.9022"W
8/28/2006	16:12:37	6	50	4130	4130	3760	4350	3870	3530	3670	4370	3660	3880	3710	3660	A-16-004	37°43'51.6913"N	122°22'07.9534"W
8/28/2006	16:12:43	6	50	4020	4100	3860	4210	4010	4070	3770	4060	3700	4150	4280	3940	A-16-004	37°43'51.6488"N	122°22'07.9987"W
8/28/2006	16:12:49	6	50	3410	3940	3840	3080	4310	3710	3500	3370	3440	3900	3750	3770	A-16-004	37°43'51.6008"N	122°22'08.0496"W
8/28/2006	16:12:55	6	50	4000	4240	3930	3700	4010	3790	3690	3790	4250	4120	4110	3670	A-16-004	37°43'51.5658"N	122°22'08.0869"W
8/28/2006	16:13:01	6	50	3380	4020	4020	3700	3800	3890	3860	3540	3870	3670	3620	3980	A-16-004	37°43'51.5298"N	122°22'08.1247"W
8/28/2006	16:18:34	6	50	3810	3960	3720	3960	4500	3830	3710	3850	3940	3900	4030	4000	A-16-004	37°43'51.5547"N	122°22'08.0210"W
8/28/2006	16:18:40	6	50	3760	4150	3940	3910	4420	3890	3800	3930	4200	4030	3790	3990	A-16-004	37°43'51.5569"N	122°22'07.9750"W
8/28/2006	16:18:46	6	50	3630	4220	3830	4200	4160	3980	4060	4300	3820	4210	4020	3930	A-16-004	37°43'51.5607"N	122°22'07.8989"W
8/28/2006	16:18:52	6	50	3910	4460	4310	4570	4320	4090	3840	4050	3930	4480	4080	3890	A-16-004	37°43'51.5652"N	122°22'07.8175"W
8/28/2006	16:18:58	6	50	4540	4620	4010	4360	4650	4030	4680	4120	4100	4500	4540	3930	A-16-004	37°43'51.5689"N	122°22'07.7264"W
8/28/2006	16:19:04	6	50	4480	4200	4240	4250	4600	4140	4080	3790	3950	4040	3970	4250	A-16-004	37°43'51.5752"N	122°22'07.6449"W
8/28/2006	16:19:10	6	50	4420	4350	4990	5210	4640	4280	4470	4220	4750	4680	4510	4370	A-16-004	37°43'51.5859"N	122°22'07.5489"W
8/28/2006	16:19:16	6	50	4030	4400	4150	4430	4920	4280	4310	4470	4750	4460	4650	4620	A-16-004	37°43'51.6161"N	122°22'07.4674"W
8/28/2006	16:19:22	6	50	4030	4170	3740	4020	4510	4200	4250	3870	4260	4670	4250	4390	A-16-004	37°43'51.6438"N	122°22'07.4167"W
8/28/2006	16:19:28	6	50	4040	3830	4090	4320	4460	4230	4140	3990	4180	4400	3850	4090	A-16-004	37°43'51.6821"N	122°22'07.3628"W
8/28/2006	16:19:34	6	50	4080	4270	3800	4020	4310	3910	3700	3580	4200	4120	4210	3980	A-16-004	37°43'51.7334"N	122°22'07.3037"W
8/28/2006	16:19:40	6	50	3930	4310	3740	4170	4000	3180	3690	3680	3640	4280	3880	4000	A-16-004	37°43'51.7587"N	122°22'07.2818"W
8/28/2006	16:19:46	6	50	3540	3680	4030	3960	3630	3640	3990	3770	4100	4040	4130	3720	A-16-004	37°43'51.7962"N	122°22'07.2468"W
8/28/2006	16:19:52	6	50	3970	4050	3710	3970	3900	3730	4130	3570	4170	4190	3690	3580	A-16-004	37°43'51.8328"N	122°22'07.2108"W
8/28/2006	16:19:58	6	50	3470	3940	3890	4090	3830	3710	3670	3610	3810	4190	3850	3250	A-16-004	37°43'51.8687"N	122°22'07.1766"W
8/28/2006	16:20:04	6	50	3680	4450	4420	4290	3810	3560	3460	4020	4150	4190	3930	3930	A-16-004	37°43'51.9070"N	122°22'07.1364"W
8/28/2006	16:20:10	6	50	4410	4100	3910	4080	4430	3950	3690	3770	4270	4210	3870	4050	A-16-004	37°43'51.9464"N	122°22'07.0973"W
8/28/2006	16:20:16	6	50	4040	4090	3360	3840	4190	4020	4040	4040	3770	4080	4030	4180	A-16-004	37°43'51.9758"N	122°22'07.0654"W
8/28/2006	16:20:22	6	50	3990	4050	3940	4360	3760	3660	3870	3830	4210	4390	3980	4230	A-16-004	37°43'52.0132"N	122°22'07.0254"W
8/28/2006	16:20:28	6	50	3530	4320	4190	3590	4410	3750	3650	3970	3630	3920	4180	4070	A-16-004	37°43'52.0495"N	122°22'06.9878"W
8/28/2006	16:20:34	6	50	4010	4350	3350	3640	3710	3750	3670	3780	3940	4090	3780	4260	A-16-004	37°43'52.0813"N	122°22'06.9555"W
8/28/2006	16:20:40	6	50	4350	3820	3890	3850	4630	3690	3700	3490	3910	3980	3710	3770	A-16-004	37°43'52.1149"N	122°22'06.9214"W
8/28/2006	16:20:46	6	50	3550	4090	3850	3490	4190	3840	3930	3680	4350	4090	3960	3830	A-16-004	37°43'52.1419"N	122°22'06.8955"W
8/28/2006	16:20:52	6	50	3810	3770	3980	4040	3830	3400	3510	3700	3730	3570	4220	3630	A-16-004	37°43'52.1194"N	122°22'07.0093"W
8/28/2006	16:20:58	6	50	3420	4190	3880	3820	3790	3430	3550	3740	3760	4040	3730	3960	A-16-004	37°43'52.1147"N	122°22'07.0746"W
8/28/2006	16:21:04	6	50	3810	3590	4020	3530	3880	3920	3510	3830	4080	4050	3880	4090	A-16-004	37°43'52.1093"N	122°22'07.1320"W
8/28/2006	16:21:10	6	50	3820	4430	3360	3940	4250	3970	3730	3980	3810	4180	3730	3730	A-16-004	37°43'52.0997"N	122°22'07.1982"W
8/28/2006	16:21:16	6	50	4330	4270	4210	4380	4770	4390	4430	4360	4170	3810	4390	4030	A-16-004	37°43'52.0874"N	122°22'07.2743"W
8/28/2006	16:21:22	6	50	4330	4660	4530	4570	4310	4020	4790	4050	4300	4630	4540	4540	A-16-004	37°43'52.0708"N	122°22'07.3588"W
8/28/2006	16:21:28	6	50	3990	4590	3960	4350	4390	4120	4270	4070	4000	4330	4140	3820	A-16-004	37°43'52.0518"N	122°22'07.4377"W
8/28/2006	16:21:34	6	50	3970	4050	4060	3830	4050	3800	4270	3920	3820	4610	4360	4020	A-16-004	37°43'52.0202"N	122°22'07.5223"W
8/28/2006	16:21:40	6	50	3920	4440	4070	4080	4510	3900	3940	4190	4140	4420	4230	3610	A-16-004	37°43'51.9571"N	122°22'07.6178"W

8/28/2006	16:21:46	6	50	4420	4570	4070	3730	4420	3960	4050	4010	3810	4200	4530	3950	A-16-004	37°43'51.9233"N	122°22'07.6629"W
8/28/2006	16:21:52	6	50	3860	4570	4270	4160	4690	4530	3970	4350	4180	4050	4540	4380	A-16-004	37°43'51.8733"N	122°22'07.7233"W
8/28/2006	16:21:58	6	50	4340	4220	4180	4280	4090	4250	4100	4480	4200	4840	4300	4070	A-16-004	37°43'51.8154"N	122°22'07.7854"W
8/28/2006	16:22:04	6	50	4640	4130	3910	4050	4270	3460	4100	3960	3780	4150	4100	4000	A-16-004	37°43'51.7706"N	122°22'07.8325"W
8/28/2006	16:22:10	6	50	4070	4060	3940	4170	4060	3570	3750	3960	3730	4370	4080	4070	A-16-004	37°43'51.7284"N	122°22'07.8808"W
8/28/2006	16:22:16	6	50	4010	4570	4120	4060	4510	3710	4190	4100	4270	4620	4190	4010	A-16-004	37°43'51.6919"N	122°22'07.9248"W
8/28/2006	16:22:22	6	50	4140	3700	3830	3860	4380	3760	3900	3980	4150	4620	4140	4140	A-16-004	37°43'51.6564"N	122°22'07.9713"W
8/28/2006	16:33:36	6	50	3680	3940	3700	4130	3760	3660	3770	3870	3750	4180	3810	3810	A-16-004	37°43'51.6114"N	122°22'07.9069"W
8/28/2006	16:33:42	6	50	4190	4360	4060	4430	4540	3620	3940	3640	4350	4220	4230	4250	A-16-004	37°43'51.6152"N	122°22'07.8292"W
8/28/2006	16:33:48	6	50	4550	4920	4350	4300	4570	4500	4340	4350	4340	4700	4530	4360	A-16-004	37°43'51.6215"N	122°22'07.7554"W
8/28/2006	16:33:54	6	50	4130	4320	4100	4100	4650	4420	4130	4460	4210	4650	4430	4620	A-16-004	37°43'51.6332"N	122°22'07.6811"W
8/28/2006	16:34:00	6	50	4020	4410	4110	3800	4200	4120	4050	3850	3850	4000	4120	4260	A-16-004	37°43'51.6496"N	122°22'07.5929"W
8/28/2006	16:34:06	6	50	4070	3560	3930	4490	4100	3700	4110	4050	3850	4480	3590	4190	A-16-004	37°43'51.6643"N	122°22'07.5479"W
8/28/2006	16:34:12	6	50	3960	4090	3630	3860	4080	4190	3890	4440	4490	4170	4160	4460	A-16-004	37°43'51.7083"N	122°22'07.4455"W
8/28/2006	16:34:18	6	50	4080	3720	3870	4000	3520	3160	3650	3410	3790	4470	4090	4110	A-16-004	37°43'51.7488"N	122°22'07.3742"W
8/28/2006	16:34:24	6	50	3990	4200	3770	4090	4110	3860	3580	3590	3550	4260	3580	3420	A-16-004	37°43'51.8003"N	122°22'07.3031"W
8/28/2006	16:34:30	6	50	4020	4310	4000	3980	4050	3710	3980	3800	4020	4190	3810	3590	A-16-004	37°43'51.8486"N	122°22'07.2484"W
8/28/2006	16:34:36	6	50	4220	4850	3870	4120	4310	4160	3580	3550	3980	3780	3680	4080	A-16-004	37°43'51.9065"N	122°22'07.1892"W
8/28/2006	16:34:42	6	50	3960	4000	4310	4030	3960	3580	3930	3990	3830	4530	3910	3900	A-16-004	37°43'51.9585"N	122°22'07.1353"W
8/28/2006	16:34:48	6	50	4260	4140	3650	3900	4440	3800	3940	3880	4010	4040	3950	4330	A-16-004	37°43'52.0011"N	122°22'07.0930"W
8/28/2006	16:34:54	6	50	3630	4030	3650	3750	4280	3990	3890	3660	3560	4550	4120	3960	A-16-004	37°43'52.0392"N	122°22'07.0538"W
8/28/2006	16:35:00	6	50	3360	3860	3780	3840	3860	3590	3770	3810	3600	4130	3700	3410	A-16-004	37°43'52.0877"N	122°22'07.0048"W
8/28/2006	16:35:06	6	50	4020	3790	3470	3970	3970	3480	3840	3530	3650	3880	3810	3660	A-16-004	37°43'52.0744"N	122°22'07.1107"W
8/28/2006	16:35:12	6	50	4110	3950	3810	4110	3900	3560	3650	3880	3690	4260	3720	3540	A-16-004	37°43'52.0607"N	122°22'07.1868"W
8/28/2006	16:35:18	6	50	4180	4620	4660	4190	4200	4460	4100	4010	4080	4460	5110	4250	A-16-004	37°43'52.0465"N	122°22'07.2771"W
8/28/2006	16:35:24	6	50	4270	4650	4290	4270	4570	4010	4280	4160	4150	4270	4350	4350	A-16-004	37°43'52.0341"N	122°22'07.3482"W
8/28/2006	16:35:30	6	50	4490	4600	3890	4310	4130	3700	3930	3900	4460	4330	4480	4040	A-16-004	37°43'52.0340"N	122°22'07.3489"W
8/28/2006	16:35:36	6	50	4460	4800	4010	4000	4380	4230	4030	3910	4230	4390	4190	3840	A-16-004	37°43'52.0201"N	122°22'07.4063"W
8/28/2006	16:35:42	6	50	4310	4340	3920	4490	4510	3870	4300	3920	3890	4510	3960	4330	A-16-004	37°43'52.0220"N	122°22'07.4056"W
8/28/2006	16:35:48	6	50	4040	4490	4050	4080	4300	3970	4200	3890	4090	4190	3960	4050	A-16-004	37°43'51.9883"N	122°22'07.4841"W
8/28/2006	16:35:54	6	50	4300	4230	4280	4730	4390	4250	4070	4200	4440	4420	3900	4450	A-16-004	37°43'51.9490"N	122°22'07.5502"W
8/28/2006	16:36:00	6	50	4240	4350	3850	4470	4370	4250	4260	4340	4340	4250	4230	4230	A-16-004	37°43'51.9093"N	122°22'07.6044"W
8/28/2006	16:36:06	6	50	4190	4390	4530	4140	4260	4200	4440	3980	4290	4620	4290	4150	A-16-004	37°43'51.8586"N	122°22'07.6700"W
8/28/2006	16:36:12	6	50	3980	4480	3960	4080	4290	3930	3970	3680	3910	4380	4580	4350	A-16-004	37°43'51.8139"N	122°22'07.7247"W
8/28/2006	16:36:18	6	50	4200	3690	4100	3960	4060	4340	4160	3920	4350	4170	4040	4150	A-16-004	37°43'51.7719"N	122°22'07.7764"W
8/28/2006	16:36:24	6	50	4070	4330	4300	3990	4410	3940	3940	4120	4140	4170	4080	3960	A-16-004	37°43'51.7319"N	122°22'07.8256"W
8/28/2006	16:36:30	6	50	3780	4150	4330	4160	3940	4120	3710	3990	4320	4590	4040	3850	A-16-004	37°43'51.6972"N	122°22'07.8645"W
8/28/2006	16:36:36	6	50	3730	4290	4160	4230	3840	4470	3960	3840	4150	4380	3910	4090	A-16-004	37°43'51.6706"N	122°22'07.8956"W
8/28/2006	16:40:23	6	50	3990	4620	4270	4110	4340	4300	4510	4180	4290	4390	4320	4120	A-16-004	37°43'51.6637"N	122°22'07.8077"W
8/28/2006	16:40:29	6	50	4260	4470	4120	4500	5150	4230	4320	4100	4210	4660	4090	4470	A-16-004	37°43'51.6732"N	122°22'07.7334"W
8/28/2006	16:40:35	6	50	3530	4210	4040	3760	4200	3880	3840	3880	3700	4190	3930	3880	A-16-004	37°43'51.6886"N	122°22'07.6313"W
8/28/2006	16:40:41	6	50	3990	4550	4030	4400	4300	4180	3880	3830	4130	3990	4870	3690	A-16-004	37°43'51.7080"N	122°22'07.5507"W
8/28/2006	16:40:47	6	50	4040	4780	3770	4160	4790	4320	4210	3940	3820	4310	3960	3890	A-16-004	37°43'51.7581"N	122°22'07.4262"W
8/28/2006	16:40:53	6	50	4100	4260	3400	3790	3990	3920	3630	3790	3810	4370	3650	3520	A-16-004	37°43'51.8005"N	122°22'07.3677"W
8/28/2006	16:40:59	6	50	4460	4520	3730	4040	4170	3910	3520	4300	3840	4030	3920	3950	A-16-004	37°43'51.8466"N	122°22'07.3127"W
8/28/2006	16:41:05	6	50	3760	4240	4240	3770	4280	3890	3760	3880	4300	4270	4360	3980	A-16-004	37°43'51.8967"N	122°22'07.2557"W
8/28/2006	16:41:11	6	50	3850	4270	3940	4100	3840	3950	3720	4130	4480	3780	4260	4040	A-16-004	37°43'51.9424"N	122°22'07.2078"W
8/28/2006	16:41:17	6	50	3930	4200	3970	3830	3780	3680	3720	3990	4060	4000	3840	3980	A-16-004	37°43'51.9895"N	122°22'07.1632"W
8/28/2006	16:41:23	6	50	4200	3950	3510	4360	4270	3770	3550	3840	3920	4030	4210	3990	A-16-004	37°43'52.0323"N	122°22'07.1233"W
8/28/2006	16:41:29	6	50	4290	4380	4240	4260	4380	4200	4140	4110	4250	4000	3580	4090	A-16-004	37°43'52.0179"N	122°22'07.2180"W
8/28/2006	16:41:35	6	50	4050	4010	4040	4230	4340	4130	4300	4010	3700	3940	4020	4080	A-16-004	37°43'52.0036"N	122°22'07.2981"W
8/28/2006	16:41:41	6	50	4440	4140	4160	4200	4560	4000	3890	3960	4050	4040	4280	4150	A-16-004	37°43'51.9883"N	122°22'07.3517"W
8/28/2006	16:41:47	6	50	4340	4240	4190	4240	4350	3910	4140	4270	3990	4440	4230	4070	A-16-004	37°43'51.9550"N	122°22'07.4187"W
8/28/2006	16:41:53	6	50	3970	4120	4560	4340	4390	4270	4080	4130	3970	4660	4520	4310	A-16-004	37°43'51.9299"N	122°22'07.4913"W
8/28/2006	16:41:59	6	50	3760	4370	4130	4040	4120	4380	3790	4190	4010	4490	3980	4220	A-16-004	37°43'51.8911"N	122°22'07.5576"W
8/28/2006	16:42:05	6	50	3550	4410	3930	3860	4520	4070	3940	3640	3830	4240	3830	4080	A-16-004	37°43'51.8415"N	122°22'07.6272"W
8/28/2006	16:42:11	6	50	4110	4200	4280	3860	4540	3950	3670	4200	3240	4250	4210	4200	A-16-004	37°43'51.7964"N	122°22'07.6864"W
8/28/2006	16:42:17	6	50	4510	4450	4000	4270	4640	4050	4340	4340	4400	4500	4620	4230	A-16-004	37°43'51.7572"N	122°22'07.7345"W
8/28/2006	16:42:23	6	50	4280	4670	4220	4620	4630	4010	4220	4240	4450	4160	4370	3960	A-16-004	37°43'51.7148"N	122°22'07.7862"W
8/28/2006	16:42:29	6	50	4540	4660	4490	4260	4420	4490	4120	4570	4700	4590	4550	4280	A-16-004	37°43'51.7171"N	122°22'07.6960"W
8/28/2006	16:42:35	6	50	3560	4130	3950	4250	4030	4060	4190	4230	4130	4260	4250	4190	A-16-004	37°43'51.7478"N	122°22'07.6253"W
8/28/2006	16:42:41	6	50	3570	3790	3720	3810	3910	3700	4000	3510	4110	3940	3770	3890	A-16-004	37°43'51.7836"N	122°22'07.5476"W
8/28/2006	16:42:47	6	50	3470	3700	3270	3770	3640	3490	3640	3680	4200	4430	3890	4150	A-16-004	37°43'51.8256"N	122°22'07.4606"W
8/28/2006	16:42:53	6	50	3550	3920	3900	4030	3820	3850	3650	3880	3900	3950	3530	3590	A-16-004	37°43'51.8679"N	122°22'07.3796"W
8/28/2006	16:42:59	6	50	3710	4560	3810	4230	4460	4080	4160	4030	4120	4260	4240	3960	A-16-004	37°43'51.9054"N	122°22'07.3117"W
8/28/2006	16:43:05	6	50	3760	4550	4010	4310	4130	4130	4010	4060	3740	3890	3860	4060	A-16-004	37°43'51.9424"N	122°22'07.2463"W

8/28/2006	16:43:11	6	50	4080	4100	3780	4110	4290	3600	3890	4110	3990	4150	3970	4180	A-16-004	37°43'51.9780"N 122°22'07.1859"W
8/28/2006	16:43:17	6	50	4010	4260	4270	4650	4770	4380	3980	3870	4320	4410	4110	3810	A-16-004	37°43'51.9799"N 122°22'07.2659"W
8/28/2006	16:43:23	6	50	4270	4410	4330	4060	4170	4100	4220	4290	3870	4080	3890	3990	A-16-004	37°43'51.9491"N 122°22'07.3262"W
8/28/2006	16:43:29	6	50	3980	4320	4040	3910	4170	3830	3970	3940	4260	4470	4260	4250	A-16-004	37°43'51.9197"N 122°22'07.3889"W
8/28/2006	16:43:35	6	50	4150	4480	4270	4160	4200	4110	3770	4110	3940	3980	3990	4270	A-16-004	37°43'51.8888"N 122°22'07.4533"W
8/28/2006	16:43:41	6	50	4030	3820	3750	3630	4150	3920	3420	3750	3310	3860	3580	3520	A-16-004	37°43'51.8474"N 122°22'07.5436"W
8/28/2006	16:43:47	6	50	3830	4240	3730	3770	3960	3760	3810	3960	3990	4330	4000	3550	A-16-004	37°43'51.8111"N 122°22'07.6268"W
8/28/2006	16:43:53	6	50	4320	4670	4160	4620	4620	4270	4020	4150	4170	4300	4280	4120	A-16-004	37°43'51.7779"N 122°22'07.7046"W
8/28/2006	16:43:59	6	50	4540	4530	3950	4430	4510	3930	4030	3980	4040	4340	4260	4120	A-16-004	37°43'51.7444"N 122°22'07.7836"W
			Maximum:	5350	5780	5620	5510	5650	5350	5530	5530	5420	5730	5500	5600		
			Std Dev:	439.6	427.7	454.9	440.4	427.8	446.2	449.8	425.5	421.2	438.8	415.0	426.7		
			Average:	4065.9	4338.1	4118.7	4136.4	4311.9	4030.5	4018.5	4029.1	4107.5	4295.6	4153.5	4111.3		
			3 σ Investigation Level:	7194.2	7058.9	7230.0	7020.5	7025.2	7150.9	7291.9	7026.5	7248.2	7118.6	7014.7	7069.7		

Investigation Level Exceeded

OVERBURDEN UNIT 69

GAMMA SCAN DATA

DATE	TIME	COUNT TIME (Seconds)	OUTPUTTIME	CHANNEL1	CHANNEL2	CHANNEL3	CHANNEL4	CHANNEL5	CHANNEL6	CHANNEL7	CHANNEL8	CHANNEL9	CHANNEL10	CHANNEL11	CHANNEL12	Pad #	LATITUDE	LONGITUDE
8/31/2006	13:36:37	6	50	3320	3160	3270	4060	4620	3820	3770	4490	3210	4600	4130	3580	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:36:44	6	50	3120	2990	3400	3260	3580	3760	2620	3790	3100	3130	2980	3000	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:36:53	6	50	3020	2700	3520	2830	3460	3850	2540	3380	3220	2810	2490	3260	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:02	6	50	3310	3350	3780	2930	3660	4300	2720	3950	3970	2980	2640	3430	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:10	6	50	3030	2830	3400	3140	3470	3400	2490	3760	3070	3040	2880	3040	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:18	6	50	2750	2660	3380	2680	3430	3660	2220	3580	3090	2790	2440	2880	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:26	6	50	3740	2900	3730	3770	3970	3690	2730	3970	3440	3150	3340	3020	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:33	6	50	3270	2910	3650	3090	4180	4040	2790	4160	3770	2990	2930	3480	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:42	6	50	3470	2960	3280	3040	3590	3420	2470	2990	3280	3080	2890	3250	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:49	6	50	3540	2790	3510	3580	3560	3860	2750	3880	3300	3060	3000	3490	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:37:57	6	50	3380	3260	3660	3530	3710	3410	2700	3890	3210	3020	3070	3510	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:06	6	50	3260	3010	3290	3420	4070	3590	2680	4290	3310	3110	3710	3570	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:13	6	50	4070	3410	3760	4360	4630	4380	3320	4530	3940	3830	3250	3810	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:21	6	50	4440	3790	3950	4160	4430	4130	3470	5050	3860	3780	3880	4060	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:28	6	50	4360	3680	3970	4230	4520	4130	3410	4960	3560	4200	3980	4150	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:35	6	50	4030	3540	4200	4030	4630	4450	3030	4430	3470	3720	3800	4090	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:43	6	50	4210	4070	4480	4070	4330	4530	3440	4290	3990	4050	3870	4160	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:38:51	6	50	4030	3640	4170	4540	4890	4180	3670	4630	4030	3740	3900	4130	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:00	6	50	3940	3680	4050	4370	4200	4190	3440	4650	3900	3440	3850	4150	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:09	6	50	3170	3200	3520	3540	3970	4140	2460	4290	3500	3140	3260	3660	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:17	6	50	3430	2840	3110	3370	3520	3560	2890	3850	3230	3070	2900	3230	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:26	6	50	3930	3000	3500	3630	3920	3710	3020	3610	2960	3200	3200	3460	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:35	6	50	3660	3030	3250	3750	4150	3690	3140	3590	3030	3390	3410	3110	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:43	6	50	3940	3050	3140	3710	3960	3880	2930	4370	3850	3320	3040	3450	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:39:51	6	50	3800	3020	4130	3790	3900	3960	3140	3950	3400	3470	3320	2890	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:01	6	50	3720	2980	3770	3290	3780	3610	2520	4060	3500	3230	3440	3140	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:12	6	50	3510	2750	4000	3420	3410	4310	2790	3550	3460	3330	2860	3540	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:21	6	50	2920	3170	4090	2910	3810	4290	2440	4460	3960	3260	2830	3470	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:29	6	50	3480	3130	3990	3710	3500	4080	2730	4090	3460	2800	3120	3470	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:36	6	50	3780	3420	4550	3660	4380	4900	3380	4290	3470	3840	3500	3910	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:44	6	50	3830	3860	4360	3650	4820	4850	3470	5030	4250	3580	4130	4480	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:51	6	50	3490	3460	3870	3720	4580	4240	2890	4620	4460	3230	3760	4150	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:40:59	6	50	3910	3880	4290	4070	4360	4720	3130	4970	4010	3340	4040	3840	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:06	6	50	3680	4080	4870	3730	5040	5390	3200	5210	4400	3250	4040	4650	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:14	6	50	3820	3970	4210	3670	3970	4890	2520	4130	4220	3340	3260	4590	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:22	6	50	4740	4300	4990	5390	5250	5050	3930	5730	5170	4550	4470	4610	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:29	6	50	4320	4170	4830	4420	5090	5150	3790	5510	4650	4540	4120	4980	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:37	6	50	3760	3710	4100	3400	4100	4730	2840	4330	3630	3780	3700	3700	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:45	6	50	4280	3590	3670	4220	4690	3940	3900	4850	3920	3680	4290	3960	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:41:54	6	50	3620	2970	3040	3720	3780	3390	3140	3960	3030	3530	3470	2970	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:42:06	6	50	3780	3360	3470	3880	4680	3690	3010	4400	3150	3570	3550	3260	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:42:21	6	50	3590	3240	3210	3720	4430	3550	2900	4010	3040	3360	3230	3310	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:42:29	6	50	3460	3210	3710	3890	4350	3910	3420	4170	3060	3730	3540	3520	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:42:45	6	50	4330	3540	3560	4780	4330	4100	3370	4180	4100	3820	3380	4310	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:42:54	6	50	3990	3100	3610	3840	4270	3750	3360	4610	3940	3510	3270	3870	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:02	6	50	3690	3190	3450	3570	4160	3980	3030	3760	3420	3340	3170	3090	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:10	6	50	3660	3610	4190	3750	4350	4300	2810	4300	3320	3650	3280	3850	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:17	6	50	4190	3870	4130	3920	5010	4220	3500	5070	4460	3460	4420	4110	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:26	6	50	4390	3840	4640	4260	4860	4980	3510	4860	4440	3300	3940	4200	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:35	6	50	3780	3340	4150	4300	4980	4320	3510	4820	4050	3310	3790	3930	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:43	6	50	3700	3650	3970	4040	4350	4550	3090	4230	4060	3450	3630	3860	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:43:51	6	50	3610	3660	4030	3720	4420	4350	3000	4400	3820	3760	3830	3800	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:00	6	50	4510	3790	3930	4140	4730	4190	3210	4850	3710	3520	4060	4090	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:08	6	50	4100	3750	4270	3820	4520	4290	3480	4850	4140	3870	3980	3950	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:15	6	50	4520	3390	3940	4100	5080	4080	2880	5270	4210	3600	3790	4120	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:23	6	50	4150	3480	3810	4020	4390	4140	3520	4900	3570	3800	3950	3900	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:31	6	50	3590	3700	4870	4140	4650	4660	3120	4980	4010	3250	3510	3990	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:38	6	50	4160	3620	4440	4070	4530	4730	3680	4650	3590	4120	3530	3870	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:48	6	50	4120	3840	4540	4270	4700	4280	3410	4830	4370	3590	3690	4630	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:44:58	6	50	3920	3380	4380	3720	3810	4360	2860	4270	3740	3250	3100	4080	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:45:09	6	50	3530	3670	4360	4130	4480	4350	3240	5070	3730	3680	3730	3830	A-10-006	37°43'52.3521"N	122°22'09.6723"W
8/31/2006	13:45:19	6	50	3740	3070	3880	3580	3900	4080	2830	3670	3240	3200	3430	3770	A-10-006	37°43'52.3521"N	122°22'09.6723"W

8/31/2006	13:45:41	6	50	3510	3310	4100	3900	3730	3850	3150	4490	3640	3340	3440	4100	A-10-006	37°43'51.6851"N	122°22'10.4871"W
8/31/2006	13:45:51	6	50	3430	3110	3490	3890	4080	3730	3050	4240	3360	2940	2770	3830	A-10-006	37°43'51.6680"N	122°22'10.3301"W
8/31/2006	13:46:02	6	50	3490	2960	3710	3660	3990	3640	3120	3740	3200	3370	2910	3220	A-10-006	37°43'51.6790"N	122°22'10.2689"W
8/31/2006	13:46:10	6	50	3460	3690	3890	3500	4350	4210	3030	4470	3670	3430	3560	3850	A-10-006	37°43'51.7209"N	122°22'10.2020"W
8/31/2006	13:46:23	6	50	4380	3400	3950	3870	4440	4230	3350	4340	4010	3270	3620	3870	A-10-006	37°43'51.7520"N	122°22'10.1662"W
8/31/2006	13:48:41	6	50	3910	3460	3920	3270	3920	4000	2810	4060	3630	3070	3460	3800	A-10-006	37°43'51.8347"N	122°22'10.1802"W
8/31/2006	13:48:50	6	50	3890	3700	3820	4400	3990	3830	3300	4600	3140	3590	3450	3690	A-10-006	37°43'51.8621"N	122°22'10.1528"W
8/31/2006	13:48:58	6	50	3630	3300	3990	3930	4380	3920	3100	4580	3960	3750	3590	4030	A-10-006	37°43'51.8941"N	122°22'10.1209"W
8/31/2006	13:49:06	6	50	4000	3620	3860	3710	4510	4840	3200	4440	3420	3180	3670	3950	A-10-006	37°43'51.9307"N	122°22'10.0901"W
8/31/2006	13:49:17	6	50	3660	3460	4140	3550	3930	3880	3080	4250	3580	3880	3530	3660	A-10-006	37°43'51.9648"N	122°22'10.0621"W
8/31/2006	13:49:25	6	50	4140	3750	4100	4200	4830	4230	3540	4500	3780	3720	3790	3760	A-10-006	37°43'51.9961"N	122°22'09.9303"W
8/31/2006	13:49:34	6	50	3850	3400	3600	4090	4110	4000	3100	4730	3640	3790	3440	3500	A-10-006	37°43'52.0329"N	122°22'09.8992"W
8/31/2006	13:49:44	6	50	3660	3840	4030	4510	4930	4170	3810	4990	3620	3750	4320	4120	A-10-006	37°43'52.0827"N	122°22'09.9590"W
8/31/2006	13:49:54	6	50	3660	3270	3790	3300	4040	4240	2970	4330	3840	2970	3250	3590	A-10-006	37°43'52.0965"N	122°22'09.9479"W
8/31/2006	13:50:02	6	50	3780	3450	4210	3440	4430	4260	2990	4730	3450	3630	3640	3720	A-10-006	37°43'52.0965"N	122°22'09.9479"W
8/31/2006	13:50:11	6	50	3460	3150	4240	3640	4030	4310	2650	4250	3920	3500	3170	4080	A-10-006	37°43'52.1433"N	122°22'09.8934"W
8/31/2006	13:50:18	6	50	3820	3620	4160	3780	4380	4350	3010	3940	3390	3040	2840	3690	A-10-006	37°43'52.2392"N	122°22'09.8299"W
8/31/2006	13:50:27	6	50	4380	4000	4940	4640	5290	5180	3300	4880	4290	4010	3740	4150	A-10-006	37°43'52.2708"N	122°22'09.8114"W
8/31/2006	13:50:49	6	50	3340	2670	3290	3480	3750	3680	2820	4350	3940	3030	3500	4150	A-10-006	37°43'52.3750"N	122°22'09.7505"W
8/31/2006	13:50:58	6	50	3210	2020	2650	3080	3210	2820	2200	3520	2520	3150	2830	2840	A-10-006	37°43'52.3841"N	122°22'09.7459"W
8/31/2006	13:51:05	6	50	2700	2430	2770	2790	3120	2890	2420	3360	2460	2820	2980	2890	A-10-006	37°43'52.3841"N	122°22'09.7459"W
8/31/2006	13:51:14	6	50	2940	2460	2740	2820	3100	2930	2390	3280	2590	2440	2600	2760	A-10-006	37°43'52.5406"N	122°22'09.7499"W
8/31/2006	13:51:22	6	50	3060	2560	3000	2880	3290	2830	2740	3070	2550	2680	2800	2610	A-10-006	37°43'52.5410"N	122°22'09.7496"W
8/31/2006	13:51:30	6	50	3280	2580	2980	2930	3570	3260	2190	3000	2740	2990	2590	2650	A-10-006	37°43'52.5410"N	122°22'09.7496"W
8/31/2006	13:51:40	6	50	3040	2620	2910	3000	3200	3130	2380	2770	2830	2720	2540	2600	A-10-006	37°43'52.6809"N	122°22'09.7980"W
8/31/2006	13:51:53	6	50	3680	2830	3250	3460	3820	3470	2730	3650	2970	2510	3170	3050	A-10-006	37°43'52.7286"N	122°22'09.8196"W
8/31/2006	13:52:01	6	50	3590	2980	3200	3600	3880	3400	2730	4140	3020	3150	3150	3240	A-10-006	37°43'52.7775"N	122°22'09.8381"W
8/31/2006	13:52:08	6	50	3740	3410	3180	3290	3620	3160	2620	3930	3540	3210	3280	3040	A-10-006	37°43'52.8248"N	122°22'09.8536"W
8/31/2006	13:52:17	6	50	3730	3390	3710	3560	4710	3970	3040	4130	3530	4070	3260	3630	A-10-006	37°43'52.8818"N	122°22'09.8718"W
8/31/2006	13:52:24	6	50	4110	3670	3650	3900	3800	3920	3010	3930	3480	3470	3110	3770	A-10-006	37°43'52.9305"N	122°22'09.8890"W
8/31/2006	13:52:31	6	50	4070	3580	3930	4180	4510	4150	3520	4650	3300	4280	3780	3760	A-10-006	37°43'52.9773"N	122°22'09.9046"W
8/31/2006	13:52:39	6	50	4380	3420	3630	4160	4490	4250	3490	4410	3590	3790	3800	3580	A-10-006	37°43'53.0260"N	122°22'09.9200"W
8/31/2006	13:52:46	6	50	4020	3610	3570	4410	4450	4220	3250	4280	3840	3870	3580	3620	A-10-006	37°43'53.0747"N	122°22'09.9371"W
8/31/2006	13:52:54	6	50	4010	3330	3880	4060	4490	3990	3290	4830	3680	3980	3620	3950	A-10-006	37°43'53.0853"N	122°22'09.9398"W
8/31/2006	13:53:03	6	50	3910	3050	3070	3580	4110	3440	2880	3740	3380	3360	3350	3630	A-10-006	37°43'53.0853"N	122°22'09.9398"W
8/31/2006	13:53:14	6	50	3470	2920	3210	3250	3510	3420	2940	3710	3060	2770	3230	2960	A-10-006	37°43'53.0853"N	122°22'09.9398"W
8/31/2006	13:53:25	6	50	3350	2990	3030	3270	3640	3670	3100	3760	2840	3060	3160	3120	A-10-006	37°43'53.0853"N	122°22'09.9398"W
8/31/2006	13:53:36	6	50	3550	2650	3330	3820	3700	3490	2460	3790	2730	3170	3170	3210	A-10-006	37°43'53.2833"N	122°22'10.0712"W
8/31/2006	13:53:50	6	50	3510	3350	3510	3500	3920	3840	2710	3800	2990	2830	3150	3510	A-10-006	37°43'53.2859"N	122°22'10.1030"W
8/31/2006	13:53:58	6	50	3340	2740	3230	3450	3690	3220	2610	4080	3380	3360	3280	3400	A-10-006	37°43'53.2859"N	122°22'10.1030"W
8/31/2006	13:54:19	6	50	2870	2470	2770	3230	3250	2810	2660	3740	2790	3290	2990	2870	A-10-006	37°43'53.1830"N	122°22'10.1853"W
8/31/2006	13:54:26	6	50	2980	2760	3110	3080	3130	3380	2640	3650	2860	2770	2830	2930	A-10-006	37°43'53.1392"N	122°22'10.2267"W
8/31/2006	13:54:34	6	50	3780	3110	3230	3530	4000	3420	2620	3670	3160	2890	3030	2880	A-10-006	37°43'53.0960"N	122°22'10.2654"W
8/31/2006	13:54:44	6	50	3320	2550	3050	3010	3360	3090	2690	3570	2930	2810	3140	3080	A-10-006	37°43'53.0533"N	122°22'10.3029"W
8/31/2006	13:54:54	6	50	3130	2800	3240	3670	3680	3680	2580	3650	3030	3020	2810	3390	A-10-006	37°43'53.0114"N	122°22'10.3398"W
8/31/2006	13:55:02	6	50	3270	2510	3040	3070	3700	2920	2770	3450	3090	3550	2740	2700	A-10-006	37°43'52.9692"N	122°22'10.3808"W
8/31/2006	13:55:10	6	50	3920	3620	3940	3570	3460	3960	2580	3930	3340	3290	3230	3520	A-10-006	37°43'52.9244"N	122°22'10.4199"W
8/31/2006	13:55:17	6	50	4090	3390	3610	4090	4400	4690	3490	4660	3930	3610	3800	4290	A-10-006	37°43'52.8846"N	122°22'10.4552"W
8/31/2006	13:55:25	6	50	4440	3310	3930	3690	4000	4150	3470	4310	3870	3400	3520	4090	A-10-006	37°43'52.8425"N	122°22'10.4947"W
8/31/2006	13:55:32	6	50	3850	3460	3600	3910	4260	3950	3530	4390	3480	3470	3600	3680	A-10-006	37°43'52.8000"N	122°22'10.5346"W
8/31/2006	13:55:40	6	50	3880	3450	3450	3800	3900	4120	3180	3700	3760	3600	3530	3700	A-10-006	37°43'52.7579"N	122°22'10.5751"W
8/31/2006	13:55:48	6	50	3580	3110	3910	3710	4120	4350	3150	4380	3600	3670	3280	3360	A-10-006	37°43'52.7101"N	122°22'10.6129"W
8/31/2006	13:55:55	6	50	3900	3590	3580	3830	3930	3180	3030	3950	3740	3540	3400	3750	A-10-006	37°43'52.6709"N	122°22'10.6446"W
8/31/2006	13:56:04	6	50	3810	3140	3690	3920	4580	3490	3090	4600	3630	3690	3570	3680	A-10-006	37°43'52.6709"N	122°22'10.6446"W
8/31/2006	13:56:12	6	50	3960	3720	3500	3990	4400	3920	3130	4610	3280	3560	3370	3760	A-10-006	37°43'52.6709"N	122°22'10.6446"W
8/31/2006	13:56:20	6	50	4190	3160	3880	4020	4760	4090	3860	4650	3590	3770	3630	3950	A-10-006	37°43'52.6709"N	122°22'10.6446"W
8/31/2006	13:56:28	6	50	4390	3180	3960	4180	4360	4040	3230	4160	3440	3790	3870	3670	A-10-006	37°43'52.4582"N	122°22'10.6853"W
8/31/2006	13:56:37	6	50	3900	3110	3600	4000	4380	3710	3180	3940	3550	3820	3440	3380	A-10-006	37°43'52.4582"N	122°22'10.6853"W
8/31/2006	13:56:44	6	50	4160	3010	3630	4020	4070	4140	3380	4260	3510	3980	3680	3850	A-10-006	37°43'52.3418"N	122°22'10.6705"W
8/31/2006	13:56:52	6	50	3860	3300	3460	3830	3940	3870	3410	4050	3460	3940	3340	3740	A-10-006	37°43'52.3418"N	122°22'10.6705"W
8/31/2006	13:57:00	6	50	4020	2900	3300	3860	4080	3580	3290	3820	3610	3270	3490	3320	A-10-006	37°43'52.2477"N	122°22'10.6516"W
8/31/2006	13:57:08	6	50	3230	2510	3160	3440	3450	3410	2550	4070	3060	3480	3130	3210	A-10-006	37°43'52.2477"N	122°22'10.6516"W
8/31/2006	13:57:16	6	50	3390	2990	3930	3630	3650	3090	2680	3950	3430	3280	2850	3190	A-10-006	37°43'52.2477"N	122°22'10.6516"W
8/31/2006	13:57:24	6	50	3520	2760	3560	3850	3980	3410	2750	3800	3250	3140	3380	3210	A-10-006	37°43'52.2477"N	122°22'10.6516"W
8/31/2006	13:57:33	6	50	3790	3190	3510	3450	3770	3540	2870	4360	3460	3300	3450	3360	A-10-006	37°43'52.2477"N	122°22'10.6516"W
8/31/2006	13:57:40	6	50	4070	3710	4060	3810	4240	3850	3390	4140	3240	3380	3650	3790	A-10-006	37°43'52.2477"N	122°22'10.6516"W

8/31/2006	13:57:47	6	50	3780	3080	3890	4020	4320	4020	3290	4220	3270	3520	3810	3750	A-10-006	37°43'52.0010"N	122°22'10.5653"W
8/31/2006	13:57:55	6	50	3870	3210	3800	3890	4370	4090	2860	4420	3780	3220	3420	3510	A-10-006	37°43'51.9124"N	122°22'10.5600"W
8/31/2006	13:58:01	6	50	3820	2710	3350	3700	3880	3720	3170	4200	3920	3320	3850	3400	A-10-006	37°43'51.9124"N	122°22'10.5600"W
8/31/2006	13:58:09	6	50	3850	2610	3360	3670	3840	3550	2700	3750	3050	3280	3170	2950	A-10-006	37°43'51.9124"N	122°22'10.5600"W
8/31/2006	13:58:20	6	50	3770	2690	3250	3470	3730	3540	2650	4120	3230	2990	3260	3200	A-10-006	37°43'51.9124"N	122°22'10.5600"W
8/31/2006	13:58:29	6	50	3860	3280	3370	3260	3880	3690	2850	4210	3480	3610	3510	3340	A-10-006	37°43'51.9124"N	122°22'10.5600"W
8/31/2006	13:58:39	6	50	3530	2900	3130	3580	4460	3310	2920	4180	2910	3290	3240	3490	A-10-006	37°43'51.7430"N	122°22'10.3893"W
8/31/2006	13:59:03	6	50	3190	3170	3610	3470	3950	3930	2760	3900	3190	3270	3210	3540	A-10-006	37°43'51.7394"N	122°22'10.3789"W
8/31/2006	13:59:17	6	50	3160	3110	3600	3660	3790	3800	2610	4160	3150	3110	2990	3140	A-10-006	37°43'51.7143"N	122°22'10.3995"W
8/31/2006	13:59:28	6	50	3860	3720	3430	3910	4120	4290	3270	3910	3790	3510	3230	3470	A-10-006	37°43'51.7566"N	122°22'10.3585"W
8/31/2006	13:59:36	6	50	3940	3000	3400	3650	3820	3640	2740	3850	3270	3250	3290	3100	A-10-006	37°43'51.7977"N	122°22'10.3222"W
8/31/2006	13:59:44	6	50	3640	4020	3810	3990	4230	3870	2780	4730	3570	3510	3350	3310	A-10-006	37°43'51.8354"N	122°22'10.2857"W
8/31/2006	13:59:51	6	50	3720	3290	3180	3520	4070	4080	2960	4240	3230	3380	3280	3670	A-10-006	37°43'51.9070"N	122°22'10.1638"W
8/31/2006	13:59:58	6	50	3900	3520	4100	3540	3980	3870	3380	4560	3540	3650	3260	3630	A-10-006	37°43'51.9360"N	122°22'10.1402"W
8/31/2006	14:00:06	6	50	3900	3450	3580	3910	4130	3790	3170	4490	3680	3640	3780	3440	A-10-006	37°43'51.9950"N	122°22'10.1016"W
8/31/2006	14:00:14	6	50	4200	3240	3660	3890	3940	3580	3240	4740	3720	3190	3640	3590	A-10-006	37°43'52.0377"N	122°22'10.0636"W
8/31/2006	14:00:24	6	50	4040	3360	3550	3920	3800	3830	2920	4170	3760	3680	3590	3780	A-10-006	37°43'52.0338"N	122°22'10.1090"W
8/31/2006	14:00:33	6	50	3510	3260	3310	3770	4160	3640	2990	3790	3340	3010	3180	3760	A-10-006	37°43'52.1299"N	122°22'09.9802"W
8/31/2006	14:00:42	6	50	3610	2630	2820	3550	3610	3430	2840	3980	3270	2910	3000	3130	A-10-006	37°43'52.1512"N	122°22'09.9601"W
8/31/2006	14:00:51	6	50	3520	2960	3230	3550	3480	3630	2390	3510	3230	3110	3110	3100	A-10-006	37°43'52.1647"N	122°22'09.9311"W
8/31/2006	14:00:59	6	50	3210	3020	3070	3300	3660	3730	2660	4010	3210	2910	3000	3300	A-10-006	37°43'52.1831"N	122°22'09.9711"W
8/31/2006	14:01:07	6	50	3940	3850	4210	3280	3770	4410	2700	4140	3590	3390	3120	3460	A-10-006	37°43'52.2359"N	122°22'09.9301"W
8/31/2006	14:01:17	6	50	4350	3760	4240	3950	5280	4760	3210	4870	4720	3770	4110	3940	A-10-006	37°43'52.3397"N	122°22'09.8400"W
8/31/2006	14:01:26	6	50	4160	3570	4370	4100	4990	4340	3700	4970	4120	4050	4090	4260	A-10-006	37°43'52.4000"N	122°22'09.7553"W
8/31/2006	14:01:33	6	50	3380	3000	3210	3450	4060	3530	2970	3800	3040	3360	3210	3500	A-10-006	37°43'52.4482"N	122°22'09.7591"W
8/31/2006	14:01:47	6	50	3170	2930	3020	3700	3790	3460	2830	3870	2820	3490	3520	3640	A-10-006	37°43'52.3801"N	122°22'09.8520"W
8/31/2006	14:01:56	6	50	3160	2650	2930	3440	3240	2950	2760	3420	2970	2810	2900	3030	A-10-006	37°43'52.4147"N	122°22'09.8471"W
8/31/2006	14:02:05	6	50	3380	2560	2730	3110	3440	2970	2480	3760	2690	2720	2880	2510	A-10-006	37°43'52.4147"N	122°22'09.8471"W
8/31/2006	14:02:13	6	50	3290	2460	2780	3530	3170	2960	2420	3270	2880	2810	2940	2880	A-10-006	37°43'52.5328"N	122°22'09.8580"W
8/31/2006	14:02:20	6	50	3480	2500	2730	3260	3070	2930	2430	3360	2830	3630	2700	2880	A-10-006	37°43'52.5853"N	122°22'09.8714"W
8/31/2006	14:02:28	6	50	3350	2410	2570	2970	3210	2960	2670	3150	2830	2890	2440	2620	A-10-006	37°43'52.6151"N	122°22'09.8801"W
8/31/2006	14:02:36	6	50	3470	2600	2890	3370	3300	3130	2850	3480	2790	3100	2650	2860	A-10-006	37°43'52.7573"N	122°22'09.8103"W
8/31/2006	14:02:44	6	50	3280	2660	3160	3470	3300	3650	2720	3740	3130	3320	3260	3680	A-10-006	37°43'52.7372"N	122°22'09.9206"W
8/31/2006	14:02:52	6	50	3760	2950	3300	3400	3590	3310	2930	3370	3080	3280	2700	3010	A-10-006	37°43'52.7910"N	122°22'09.9412"W
8/31/2006	14:03:01	6	50	4130	3540	3590	4370	4450	3640	3090	4220	3190	3390	3170	3170	A-10-006	37°43'52.8386"N	122°22'09.9554"W
8/31/2006	14:03:09	6	50	4140	3330	4210	4080	4240	3930	3360	4690	3680	3580	3640	3480	A-10-006	37°43'52.9574"N	122°22'09.8745"W
8/31/2006	14:03:17	6	50	3980	3400	3600	3980	4680	4030	3550	4730	3580	3910	3730	3870	A-10-006	37°43'53.0051"N	122°22'09.8873"W
8/31/2006	14:03:24	6	50	4400	3590	3950	4410	4730	4070	3420	4790	3990	4020	4270	3990	A-10-006	37°43'53.0550"N	122°22'09.9048"W
8/31/2006	14:03:32	6	50	4180	3330	3890	4090	4330	4180	3290	4770	3850	4260	3710	4100	A-10-006	37°43'53.1076"N	122°22'09.9228"W
8/31/2006	14:03:40	6	50	4310	3400	4130	4320	4830	3980	3520	4650	3420	3770	4040	3940	A-10-006	37°43'53.0943"N	122°22'10.0327"W
8/31/2006	14:03:49	6	50	4300	3210	3950	3900	4250	3610	3500	4350	3260	3360	3700	3520	A-10-006	37°43'53.0943"N	122°22'10.0327"W
8/31/2006	14:03:59	6	50	3710	3120	3370	3530	4070	3800	3020	3890	3560	3260	3300	3720	A-10-006	37°43'53.0943"N	122°22'10.0327"W
8/31/2006	14:04:11	6	50	3800	2840	3230	3680	4090	3570	3040	3800	3460	3100	3400	3130	A-10-006	37°43'53.2316"N	122°22'10.0451"W
8/31/2006	14:04:37	6	50	3880	2960	3360	3590	3840	3530	2750	3840	3480	3510	3140	2980	A-10-006	37°43'53.2275"N	122°22'10.0083"W
8/31/2006	14:04:47	6	50	3210	2650	3340	3350	3310	3520	2740	4050	3180	3420	2940	3160	A-10-006	37°43'53.1714"N	122°22'10.1259"W
8/31/2006	14:04:55	6	50	3530	2900	3090	3160	3660	3040	2680	3460	3200	2950	2810	3090	A-10-006	37°43'53.1318"N	122°22'10.1686"W
8/31/2006	14:05:04	6	50	3400	3060	3300	3150	3980	2980	3000	3870	2930	3340	2750	2840	A-10-006	37°43'53.0837"N	122°22'10.2163"W
8/31/2006	14:05:11	6	50	3310	2610	2960	3210	3490	3290	2840	3780	3140	3000	2760	2980	A-10-006	37°43'53.0450"N	122°22'10.2526"W
8/31/2006	14:05:19	6	50	3250	3000	3580	3820	3870	3550	2850	3450	2910	3170	3040	3050	A-10-006	37°43'53.0136"N	122°22'10.2845"W
8/31/2006	14:05:31	6	50	4190	3070	3740	4170	4690	3960	3400	4190	3710	3790	3830	3510	A-10-006	37°43'52.9724"N	122°22'10.3193"W
8/31/2006	14:05:39	6	50	4230	3430	3540	4260	4370	3350	3690	4780	2780	4690	3840	3420	A-10-006	37°43'52.9665"N	122°22'10.3239"W
8/31/2006	14:05:47	6	50	4200	3450	3670	4020	4680	3470	3400	4430	3680	3930	3600	2980	A-10-006	37°43'52.9665"N	122°22'10.3239"W
8/31/2006	14:05:56	6	50	4460	3600	3690	4850	4900	3960	3570	4580	3770	4040	3820	3650	A-10-006	37°43'52.9665"N	122°22'10.3239"W
8/31/2006	14:06:04	6	50	4100	3580	3490	4110	4520	3990	3650	4630	3480	3560	3650	3890	A-10-006	37°43'52.9665"N	122°22'10.3239"W
8/31/2006	14:06:15	6	50	3770	3170	3570	3940	4300	3770	3070	4120	3710	3610	3860	3460	A-10-006	37°43'52.9665"N	122°22'10.3239"W
8/31/2006	14:06:26	6	50	4100	3000	3430	3670	4650	3370	3210	4280	3790	3480	3170	3710	A-10-006	37°43'52.9665"N	122°22'10.3239"W
8/31/2006	14:06:34	6	50	3760	3110	3720	4010	4140	3900	3530	4340	3750	3630	3770	3710	A-10-006	37°43'52.6749"N	122°22'10.5784"W
8/31/2006	14:06:44	6	50	3780	3110	3180	3980	4640	3830	3320	4460	3560	3740	3290	3750	A-10-006	37°43'52.6468"N	122°22'10.5980"W
8/31/2006	14:06:54	6	50	4000	3290	4030	3970	4180	4250	3220	3700	3700	3560	3730	3320	A-10-006	37°43'52.6468"N	122°22'10.5980"W
8/31/2006	14:07:01	6	50	3960	3560	3890	3940	4590	4120	3260	4750	3770	3680	3550	3860	A-10-006	37°43'52.5413"N	122°22'10.6235"W
8/31/2006	14:07:09	6	50	4260	3440	3820	3630	4380	4180	3720	4820	3930	4030	3650	3450	A-10-006	37°43'52.4913"N	122°22'10.6497"W
8/31/2006	14:07:17	6	50	4180	3360	3660	3970	4320	4050	3720	4590	3750	3810	3690	3620	A-10-006	37°43'52.4404"N	122°22'10.6475"W
8/31/2006	14:07:25	6	50	4110	3520	3770	4250	4240	4080	3510	4680	3360	3730	3430	3710	A-10-006	37°43'52.3870"N	122°22'10.6371"W
8/31/2006	14:07:32	6	50	3490	2970	3450	3940	3770	4030	3320	4040	3170	3550	3130	3450	A-10-006	37°43'52.3383"N	122°22'10.6256"W
8/31/2006	14:07:39	6	50	3700	3540	3660	3750	4160	3710	2630	3940	3360	3300	3760	3540	A-10-006	37°43'52.3383"N	122°22'10.6256"W
8/31/2006	14:07:46	6	50	3670	3050	3100	3590	3930	3410	2710	3570	3130	3560	3160	2990	A-10-006	37°43'52.3383"N	122°22'10.6256"W

8/31/2006	14:07:54	6	50	3450	2980	3530	3200	3640	3440	2740	4100	3020	3360	3150	3460	A-10-006	37°43'52.3383"N	122°22'10.6256"W
8/31/2006	14:08:02	6	50	3210	2550	3200	3070	3720	3370	2900	3470	3080	3110	3210	2960	A-10-006	37°43'52.3383"N	122°22'10.6256"W
8/31/2006	14:08:09	6	50	4070	2850	3330	3440	3740	3620	2800	3860	3020	2950	2820	3030	A-10-006	37°43'52.1116"N	122°22'10.5592"W
8/31/2006	14:08:16	6	50	3800	3410	3940	3690	4170	3790	2960	4030	3560	3820	2970	3250	A-10-006	37°43'52.0032"N	122°22'10.5418"W
8/31/2006	14:08:23	6	50	3790	3260	3530	3500	4130	3780	3040	4180	3470	3700	3920	3960	A-10-006	37°43'52.0032"N	122°22'10.5418"W
8/31/2006	14:08:30	6	50	3430	3000	3550	3620	4000	3710	2690	3890	3430	3170	3490	3480	A-10-006	37°43'51.9777"N	122°22'10.4855"W
8/31/2006	14:08:38	6	50	3990	2920	3450	3880	3910	3990	3120	4410	3720	3560	3560	3780	A-10-006	37°43'51.9217"N	122°22'10.5212"W
8/31/2006	14:08:48	6	50	3340	2830	3030	3740	3890	3550	2830	3550	3110	2970	2990	3170	A-10-006	37°43'51.9217"N	122°22'10.5212"W
8/31/2006	14:08:58	6	50	3490	2920	3300	3240	3630	3610	2590	4100	3190	3050	2690	3180	A-10-006	37°43'51.7406"N	122°22'10.4052"W
8/31/2006	14:09:08	6	50	3720	3150	3420	3590	3670	3450	2940	4250	3110	3020	3170	3110	A-10-006	37°43'51.7963"N	122°22'10.3877"W
8/31/2006	14:09:39	6	50	3880	2920	3540	3560	3560	3740	2980	3620	3320	3430	2700	2970	A-10-006	37°43'51.7894"N	122°22'10.4427"W
8/31/2006	14:09:49	6	50	4300	3310	3800	3730	4600	3740	3240	4630	3920	3900	3550	3800	A-10-006	37°43'51.8613"N	122°22'10.2963"W
8/31/2006	14:10:29	6	50	3930	3190	3410	3710	4250	3970	3160	4470	3480	3630	3160	3480	A-10-006	37°43'51.8658"N	122°22'10.3709"W
8/31/2006	14:10:44	6	50	3530	2790	3880	3460	3940	3350	3080	3490	3230	3030	3150	3110	A-10-006	37°43'51.9502"N	122°22'10.2389"W
8/31/2006	14:10:54	6	50	3800	3080	3510	3930	3750	3940	2860	3960	3390	3650	3070	3460	A-10-006	37°43'51.9602"N	122°22'10.1843"W
8/31/2006	14:11:03	6	50	4120	3620	3720	4280	4270	3970	2970	4190	3550	3780	3500	3670	A-10-006	37°43'52.0085"N	122°22'10.1371"W
8/31/2006	14:11:13	6	50	4120	3130	3820	3670	3730	3750	2780	4300	3450	3540	3790	3420	A-10-006	37°43'52.0865"N	122°22'10.1081"W
8/31/2006	14:11:30	6	50	4690	3100	3720	4450	4360	4020	3320	4130	3630	3580	3640	3610	A-10-006	37°43'52.1226"N	122°22'10.0756"W
8/31/2006	14:11:39	6	50	3760	3030	3430	3240	4080	3510	2990	3690	3210	3200	3350	3030	A-10-006	37°43'52.1160"N	122°22'10.1369"W
8/31/2006	14:11:49	6	50	3500	2920	3280	3500	3980	3890	2760	3710	2750	3140	3180	3380	A-10-006	37°43'52.1819"N	122°22'09.9734"W
8/31/2006	14:11:59	6	50	3270	3050	3030	3220	3740	3300	2710	3780	2930	3240	3400	2840	A-10-006	37°43'52.2183"N	122°22'10.0431"W
8/31/2006	14:18:39	6	50	3870	2830	2990	3490	3900	3570	3080	3700	3280	3790	2790	3050	A-10-006	37°43'52.3092"N	122°22'09.9385"W
8/31/2006	14:18:48	6	50	3930	2960	3760	3640	3820	4020	2780	3910	3520	3320	3280	3620	A-10-006	37°43'52.3092"N	122°22'09.9385"W
8/31/2006	14:18:57	6	50	3770	2850	3710	3410	3500	4110	2660	4170	3650	2940	3210	3080	A-10-006	37°43'52.3092"N	122°22'09.9385"W
8/31/2006	14:19:05	6	50	3720	3150	3960	3700	3970	3830	3060	3770	3640	3560	3210	3540	A-10-006	37°43'52.3092"N	122°22'09.9385"W
8/31/2006	14:19:14	6	50	4120	2530	3240	3730	3730	3620	2920	4180	3560	3320	3390	3230	A-10-006	37°43'52.5122"N	122°22'09.8407"W
8/31/2006	14:19:25	6	50	3820	2570	3060	3620	3780	3820	3080	3880	3230	3410	3520	2820	A-10-006	37°43'52.5122"N	122°22'09.8411"W
8/31/2006	14:19:33	6	50	3580	2570	3170	3440	3840	3060	2900	3820	3070	3530	2970	3430	A-10-006	37°43'52.5639"N	122°22'09.8452"W
8/31/2006	14:19:41	6	50	3910	2810	2730	3240	3470	3270	3170	3900	3130	3450	3240	3080	A-10-006	37°43'52.6185"N	122°22'09.8520"W
8/31/2006	14:19:51	6	50	3690	3000	2820	3550	3730	3210	2590	3480	3120	3270	3080	2820	A-10-006	37°43'52.6678"N	122°22'09.8664"W
8/31/2006	14:19:58	6	50	3350	3040	3470	3170	3650	3540	2850	3900	3200	3130	2990	3030	A-10-006	37°43'52.6992"N	122°22'09.8701"W
8/31/2006	14:20:07	6	50	3510	2730	3370	3510	3950	3230	3040	3920	3270	3220	3300	3290	A-10-006	37°43'52.6992"N	122°22'09.8701"W
8/31/2006	14:20:15	6	50	3770	3010	2970	3670	4020	3370	2800	3750	3060	3670	3160	2820	A-10-006	37°43'52.8248"N	122°22'09.9116"W
8/31/2006	14:20:22	6	50	3760	3370	3290	3620	4010	3550	3180	4390	2900	3420	3460	3400	A-10-006	37°43'52.8792"N	122°22'09.9300"W
8/31/2006	14:20:31	6	50	4120	3490	3460	4130	4370	3770	3280	4540	3450	4000	3520	3290	A-10-006	37°43'52.9347"N	122°22'09.9477"W
8/31/2006	14:20:39	6	50	4160	3570	4040	4510	4850	4070	3460	4670	4050	3720	3540	3780	A-10-006	37°43'52.9935"N	122°22'09.9683"W
8/31/2006	14:20:47	6	50	4400	3910	4180	4550	4460	3850	3500	4630	4020	3720	3970	3680	A-10-006	37°43'53.0504"N	122°22'09.9844"W
8/31/2006	14:20:54	6	50	4130	3470	3590	4350	4760	4140	3630	4710	3520	3920	3710	3900	A-10-006	37°43'53.0944"N	122°22'09.9944"W
8/31/2006	14:21:02	6	50	4100	3780	3850	4180	4380	4380	3730	4670	3910	3580	3800	3800	A-10-006	37°43'53.0944"N	122°22'09.9944"W
8/31/2006	14:21:12	6	50	3900	3310	3330	4030	3920	3800	3110	4110	3610	3830	3460	3620	A-10-006	37°43'53.0944"N	122°22'09.9944"W
8/31/2006	14:21:23	6	50	3930	2840	3300	3940	4070	3460	3460	4220	3420	3490	3120	3440	A-10-006	37°43'53.2089"N	122°22'10.0536"W
8/31/2006	14:21:42	6	50	3790	3000	3210	3800	4070	3760	3100	4040	3160	3470	2760	3280	A-10-006	37°43'53.2002"N	122°22'10.0038"W
8/31/2006	14:21:56	6	50	3760	2670	3110	3720	3900	3590	2750	3630	3520	3150	3160	3280	A-10-006	37°43'53.1517"N	122°22'10.0861"W
8/31/2006	14:22:03	6	50	4210	3400	3390	4070	3840	3360	2920	4020	2900	3530	3180	3010	A-10-006	37°43'53.1256"N	122°22'10.1131"W
8/31/2006	14:22:11	6	50	4500	3330	3470	4040	4150	3820	3330	4410	3190	3600	3680	3470	A-10-006	37°43'53.0878"N	122°22'10.1447"W
8/31/2006	14:22:18	6	50	4240	2870	3330	3930	3800	3390	3310	3780	3310	3720	3320	3350	A-10-006	37°43'53.0858"N	122°22'10.1461"W
8/31/2006	14:22:26	6	50	4020	3130	3250	3910	4090	3590	3080	3670	3220	3150	3290	3280	A-10-006	37°43'53.0858"N	122°22'10.1461"W
8/31/2006	14:22:34	6	50	4140	3390	3840	3990	4440	4050	3210	4440	3910	3870	3930	3930	A-10-006	37°43'53.0858"N	122°22'10.1461"W
8/31/2006	14:22:43	6	50	4270	3820	3830	4530	5010	4410	3460	4540	4230	4160	3680	4050	A-10-006	37°43'53.0858"N	122°22'10.1461"W
8/31/2006	14:22:52	6	50	4780	3640	3780	4620	4630	4040	4060	4650	4250	4350	4170	4170	A-10-006	37°43'53.0858"N	122°22'10.1461"W
8/31/2006	14:23:00	6	50	4460	3190	3910	4190	4420	4080	3840	4420	3730	4530	3870	3770	A-10-006	37°43'52.8367"N	122°22'10.3781"W
8/31/2006	14:23:07	6	50	4620	3630	4360	5040	5000	4580	3900	5120	4060	4090	4180	4060	A-10-006	37°43'52.8343"N	122°22'10.4198"W
8/31/2006	14:23:24	6	50	4250	3790	3750	4310	4680	3840	3410	5160	3960	3760	4340	4280	A-10-006	37°43'52.8343"N	122°22'10.4198"W
8/31/2006	14:23:31	6	50	4330	3120	3560	4490	4110	4050	3640	4460	3460	4020	3620	3630	A-10-006	37°43'52.8343"N	122°22'10.4198"W
8/31/2006	14:23:38	6	50	3890	3450	3590	3970	4090	4030	3240	4230	3840	3540	3660	3920	A-10-006	37°43'52.6629"N	122°22'10.5409"W
8/31/2006	14:23:46	6	50	3780	3590	3430	3680	4500	4350	3160	4470	3510	3640	3790	3490	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:23:53	6	50	3730	3320	3530	3920	4310	3980	2820	4290	3640	3590	3630	3810	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:01	6	50	3720	3390	3730	3600	4640	3710	2930	3880	3160	3290	3280	3470	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:09	6	50	3740	3750	3640	3600	4210	4710	2700	4590	3680	3150	3630	3850	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:16	6	50	3970	3260	3730	3690	4550	3940	3020	4030	3160	3330	3510	3520	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:25	6	50	4170	3360	3290	3700	4080	3280	3030	3940	3420	3190	3440	3460	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:33	6	50	3310	2830	3550	3750	3690	3540	2950	3630	3260	3830	3490	3190	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:40	6	50	3860	2770	3190	3640	4210	3850	2780	3700	3140	3470	3150	3210	A-10-006	37°43'52.6173"N	122°22'10.5724"W
8/31/2006	14:24:48	6	50	3820	3370	3320	4060	4130	3340	2820	4000	3110	3180	3360	3100	A-10-006	37°43'52.2116"N	122°22'10.5299"W
8/31/2006	14:24:55	6	50	3530	3150	3260	3930	3640	3850	2900	4080	3140	3470	3120	3280	A-10-006	37°43'52.2116"N	122°22'10.5299"W
8/31/2006	14:25:04	6	50	3570	3220	3480	3890	3960	3360	2860	3820	3140	3250	3540	3220	A-10-006	37°43'52.1384"N	122°22'10.5669"W

8/31/2006	14:25:11	6	50	3870	2950	3240	3500	4250	3900	3010	4230	3520	3450	2870	3270	A-10-006	37°43'52.0685"N	122°22'10.4983"W
8/31/2006	14:25:18	6	50	3580	2940	3590	3730	4100	4120	3070	4050	3630	3450	3240	3580	A-10-006	37°43'52.0186"N	122°22'10.4879"W
8/31/2006	14:25:26	6	50	3520	2650	3160	3660	3520	3450	2830	4050	3460	2900	2910	3240	A-10-006	37°43'51.9639"N	122°22'10.4720"W
8/31/2006	14:25:33	6	50	3870	2920	3290	3830	4270	3580	2360	4110	3120	3250	3070	3280	A-10-006	37°43'51.9606"N	122°22'10.4710"W
8/31/2006	14:25:42	6	50	3510	3220	3360	3090	3550	3770	2240	4070	3340	3190	3120	3030	A-10-006	37°43'51.9606"N	122°22'10.4710"W
8/31/2006	14:25:55	6	50	3630	3050	3260	3550	3440	3810	3160	3810	3210	2990	2960	3130	A-10-006	37°43'51.9606"N	122°22'10.4710"W
8/31/2006	14:26:18	6	50	3400	2890	3180	3220	3940	3430	2780	4040	3270	2880	2850	3360	A-10-006	37°43'51.8645"N	122°22'10.4796"W
8/31/2006	14:26:31	6	50	3440	2800	3590	3460	4000	3430	2920	4270	3370	2990	3120	3400	A-10-006	37°43'51.8662"N	122°22'10.4600"W
8/31/2006	14:26:40	6	50	3820	2780	3590	3330	3630	3980	2820	3780	3350	3250	2820	3470	A-10-006	37°43'51.8662"N	122°22'10.4600"W
8/31/2006	14:26:47	6	50	3610	2650	3340	3240	3890	3690	2640	3980	2950	2990	3100	3180	A-10-006	37°43'51.8662"N	122°22'10.4600"W
8/31/2006	14:26:55	6	50	3760	3190	3410	3340	3840	3790	2790	4090	3270	2930	3120	3380	A-10-006	37°43'51.9787"N	122°22'10.3253"W
8/31/2006	14:27:03	6	50	4060	3370	3600	3830	3750	4100	3330	4560	3780	3510	3320	3510	A-10-006	37°43'51.9787"N	122°22'10.3253"W
8/31/2006	14:27:10	6	50	4160	3310	3720	4170	4290	4090	3550	4600	3560	4140	3800	3790	A-10-006	37°43'51.9787"N	122°22'10.3253"W
8/31/2006	14:27:17	6	50	4010	3210	3650	4010	4280	4170	3170	4420	3510	3560	3770	3380	A-10-006	37°43'52.1263"N	122°22'10.1696"W
8/31/2006	14:27:25	6	50	3380	3260	4310	3810	4200	4330	3190	4350	4310	3950	3520	3950	A-10-006	37°43'52.1667"N	122°22'10.1319"W
8/31/2006	14:27:34	6	50	3610	3150	2990	3650	4210	3670	3130	3920	2870	3360	2900	3560	A-10-006	37°43'52.2062"N	122°22'10.0921"W
8/31/2006	14:27:42	6	50	3470	3240	3430	3650	3790	3590	2730	3320	3300	3380	3040	3580	A-10-006	37°43'52.2103"N	122°22'10.0884"W
8/31/2006	14:27:49	6	50	3430	2890	2830	3350	4080	3160	2540	4290	3160	3130	3450	3230	A-10-006	37°43'52.2882"N	122°22'10.0159"W
8/31/2006	14:27:57	6	50	3390	3010	3630	3440	4010	3720	2780	3990	3130	3480	3190	3030	A-10-006	37°43'52.3310"N	122°22'09.9834"W
8/31/2006	14:28:07	6	50	3700	2950	3370	4030	4080	3980	2830	4110	3200	3550	3500	3470	A-10-006	37°43'52.3310"N	122°22'09.9831"W
8/31/2006	14:28:15	6	50	3330	2640	3170	3510	3740	3070	2650	3690	3130	3660	3190	3250	A-10-006	37°43'52.3882"N	122°22'09.8835"W
8/31/2006	14:28:24	6	50	3690	2920	3690	3280	3690	3890	2970	3740	2890	3130	2900	3080	A-10-006	37°43'52.4608"N	122°22'09.9159"W
8/31/2006	14:28:32	6	50	3630	3070	3270	3710	4210	3520	2890	4310	3430	3420	3130	3390	A-10-006	37°43'52.5022"N	122°22'09.9097"W
8/31/2006	14:28:40	6	50	3270	3000	3520	3530	3850	3680	2660	3780	3040	3190	3270	3430	A-10-006	37°43'52.5467"N	122°22'09.9098"W
8/31/2006	14:28:51	6	50	3580	3120	3350	3570	3850	3540	2980	4300	2980	3660	3130	3200	A-10-006	37°43'52.5470"N	122°22'09.9104"W
8/31/2006	14:28:58	6	50	3690	2970	3110	3630	4170	3730	2850	3810	2870	3250	3240	2940	A-10-006	37°43'52.5470"N	122°22'09.9104"W
8/31/2006	14:29:05	6	50	3520	2800	3080	3420	3790	3130	2990	3800	3010	2850	3320	3600	A-10-006	37°43'52.5470"N	122°22'09.9104"W
8/31/2006	14:29:12	6	50	3610	3030	3290	3370	3570	3700	3060	3910	2950	3150	3170	3330	A-10-006	37°43'52.5470"N	122°22'09.9104"W
8/31/2006	14:29:20	6	50	3630	2950	3540	3660	3830	3210	2740	3880	3390	3520	3370	2730	A-10-006	37°43'52.5470"N	122°22'09.9104"W
8/31/2006	14:29:27	6	50	3810	3250	3560	3380	4170	3640	2670	3940	2930	3280	3430	3200	A-10-006	37°43'52.7965"N	122°22'09.9649"W
8/31/2006	14:29:34	6	50	3840	3300	3790	3690	4090	3900	2850	4090	3370	3430	3420	3470	A-10-006	37°43'52.8432"N	122°22'09.9774"W
8/31/2006	14:29:40	6	50	4540	3300	3380	4550	4450	3980	3410	4310	3330	3800	3860	3500	A-10-006	37°43'52.8906"N	122°22'09.9918"W
8/31/2006	14:29:48	6	50	4090	3570	3590	4260	5010	4030	3450	5020	3590	3740	3590	3820	A-10-006	37°43'52.9413"N	122°22'10.0076"W
8/31/2006	14:29:55	6	50	4360	3900	4260	4290	4360	4290	3520	4880	3760	3750	4260	4140	A-10-006	37°43'52.9889"N	122°22'10.0196"W
8/31/2006	14:30:03	6	50	4610	3610	3720	4350	4750	4040	3660	4520	4180	3730	4340	4180	A-10-006	37°43'53.0416"N	122°22'10.0321"W
8/31/2006	14:30:12	6	50	4590	3730	4040	4540	4900	4230	3650	5150	3890	3560	3830	3930	A-10-006	37°43'53.2010"N	122°22'10.1373"W
8/31/2006	14:30:20	6	50	4690	3700	4150	4540	4530	3810	3370	4560	3770	3970	4080	3830	A-10-006	37°43'53.2010"N	122°22'10.1373"W
8/31/2006	14:30:30	6	50	4470	3210	3070	4410	4630	3980	3390	4550	3330	3760	3610	3590	A-10-006	37°43'53.1633"N	122°22'10.1295"W
8/31/2006	14:30:44	6	50	4210	3250	3700	4070	4570	3810	3280	4560	3230	3560	4170	3570	A-10-006	37°43'53.1635"N	122°22'10.1305"W
8/31/2006	14:31:08	6	50	4390	3530	3880	4200	4220	4440	3450	4510	3900	4130	3950	4070	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:31:15	6	50	4130	4060	3560	4100	5090	4270	3590	5030	4010	4120	4060	4010	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:31:23	6	50	4420	3450	3850	4230	4550	4320	3630	4720	3720	3960	3940	3880	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:31:30	6	50	3650	2850	4070	4010	4160	4390	3490	4720	3730	3790	3870	4150	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:31:38	6	50	4320	3940	4060	4250	4670	4290	3610	4980	4120	3890	3780	4110	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:31:49	6	50	3960	4050	4750	4090	5140	4980	3580	5150	4170	3620	4150	4290	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:31:57	6	50	4070	4010	4670	4290	5000	5040	3610	4970	4310	3660	4070	4190	A-10-006	37°43'53.1281"N	122°22'10.0010"W
8/31/2006	14:32:07	6	50	4750	4400	4520	4190	4680	4280	3570	5100	4120	4080	4020	4600	A-10-006	37°43'52.8597"N	122°22'10.3724"W
8/31/2006	14:32:15	6	50	4520	4050	4210	4250	4870	4690	3500	5340	4480	4010	4690	4630	A-10-006	37°43'52.8597"N	122°22'10.3724"W
8/31/2006	14:32:23	6	50	4520	3820	3920	4410	4760	4600	3760	4520	3860	3550	4190	4100	A-10-006	37°43'52.8597"N	122°22'10.3724"W
8/31/2006	14:32:30	6	50	4330	3950	3850	4320	5030	4820	3700	5230	3910	3870	4390	4260	A-10-006	37°43'52.8597"N	122°22'10.3724"W
8/31/2006	14:32:38	6	50	3950	3340	3780	3380	4190	4240	3130	4450	3600	3360	3660	3620	A-10-006	37°43'52.8597"N	122°22'10.3724"W
8/31/2006	14:32:47	6	50	3910	3150	3660	3600	4140	3880	3010	4390	3430	3540	3440	3900	A-10-006	37°43'52.5583"N	122°22'10.4774"W
8/31/2006	14:32:54	6	50	3650	2860	3480	3430	4070	3830	3190	4400	3640	3300	3360	3400	A-10-006	37°43'52.5583"N	122°22'10.4774"W
8/31/2006	14:33:03	6	50	3670	2880	3200	3050	3350	3610	2500	3970	3100	3280	3350	3050	A-10-006	37°43'52.5583"N	122°22'10.4774"W
8/31/2006	14:33:11	6	50	3490	2980	3390	3910	3770	3340	2810	4050	3400	3420	3140	3540	A-10-006	37°43'52.5583"N	122°22'10.4774"W
8/31/2006	14:33:19	6	50	3760	3070	3490	3400	4020	3440	2920	3950	3050	3060	3000	3520	A-10-006	37°43'52.3450"N	122°22'10.5035"W
8/31/2006	14:33:27	6	50	3500	3270	3140	3750	3950	3890	3000	3690	3400	3380	3380	3280	A-10-006	37°43'52.3099"N	122°22'10.4974"W
8/31/2006	14:33:34	6	50	3870	3030	3220	3610	4250	3520	2850	3980	3020	3410	3030	3080	A-10-006	37°43'52.3099"N	122°22'10.4974"W
8/31/2006	14:33:42	6	50	4120	3210	3060	3880	3870	3500	3140	4450	3650	3290	3450	3750	A-10-006	37°43'52.3099"N	122°22'10.4974"W
8/31/2006	14:33:53	6	50	3880	3580	3290	3880	4340	3550	2920	4310	3190	3350	3020	3110	A-10-006	37°43'52.1417"N	122°22'10.4624"W
8/31/2006	14:34:02	6	50	3460	2890	3170	3590	3780	3480	3050	4070	2810	3230	4010	3320	A-10-006	37°43'52.0926"N	122°22'10.4521"W
8/31/2006	14:34:10	6	50	3950	3050	3340	4070	3890	3960	2890	4050	3330	3100	3350	3220	A-10-006	37°43'52.0383"N	122°22'10.4398"W
8/31/2006	14:34:21	6	50	3580	2760	3190	3190	3710	3380	2880	3880	3300	3140	3510	3480	A-10-006	37°43'52.0382"N	122°22'10.4393"W
8/31/2006	14:34:31	6	50	3670	3040	3120	3640	3610	3410	2670	3590	3110	2830	2630	3100	A-10-006	37°43'52.0382"N	122°22'10.4393"W
8/31/2006	14:34:41	6	50	3170	2800	3160	3160	3410	3350	2610	3590	3110	2820	2770	3040	A-10-006	37°43'52.0382"N	122°22'10.4393"W
8/31/2006	14:34:52	6	50	3520	3090	3190	3640	3470	3580	2740	3490	3060	2720	3410	3110	A-10-006	37°43'52.0382"N	122°22'10.4393"W

8/31/2006	14:35:28	6	50	3260	2880	3300	3310	3660	3590	2790	3580	3040	3290	2950	3230	A-10-006	37°43'51.9835"N	122°22'10.3686"W
8/31/2006	14:35:35	6	50	3590	2580	3470	3650	3560	3570	2610	3640	2940	2840	2620	2970	A-10-006	37°43'52.0217"N	122°22'10.3299"W
8/31/2006	14:35:43	6	50	3880	3290	3740	3780	4190	3950	2860	4410	3330	3040	2860	3170	A-10-006	37°43'52.0608"N	122°22'10.2892"W
8/31/2006	14:35:51	6	50	4350	3290	3280	3760	4660	4380	3050	5180	4380	3820	3880	4020	A-10-006	37°43'52.2402"N	122°22'10.3454"W
8/31/2006	14:35:59	6	50	3890	3390	3180	3720	4020	3900	2820	4400	3810	3480	2880	3480	A-10-006	37°43'52.2402"N	122°22'10.3454"W
8/31/2006	14:36:07	6	50	4190	3100	3720	3840	4140	4050	3020	4220	3870	2990	3530	3710	A-10-006	37°43'52.1725"N	122°22'10.3035"W
8/31/2006	14:36:13	6	50	3460	3350	3490	3340	4030	3650	3050	4400	3400	3160	3050	3330	A-10-006	37°43'52.2135"N	122°22'10.2624"W
8/31/2006	14:36:21	6	50	3840	3170	3390	3610	4260	3550	3160	4200	3890	3310	3390	3370	A-10-006	37°43'52.2645"N	122°22'10.0915"W
8/31/2006	14:36:28	6	50	3670	3020	3550	3520	3700	3840	2730	3730	3010	3170	3120	3310	A-10-006	37°43'52.3098"N	122°22'10.0557"W
8/31/2006	14:36:36	6	50	3800	3280	3400	3950	3890	3660	2780	4090	3320	3120	3170	2990	A-10-006	37°43'52.3559"N	122°22'10.0269"W
8/31/2006	14:36:44	6	50	4070	3220	3370	4440	4260	3670	3010	4220	3410	3330	3470	3570	A-10-006	37°43'52.3915"N	122°22'10.0015"W
8/31/2006	14:36:52	6	50	3210	2710	3300	3340	3230	3500	2630	4050	3060	3540	3240	3490	A-10-006	37°43'52.3915"N	122°22'10.0015"W
8/31/2006	14:37:00	6	50	3560	3250	3390	3260	3730	3250	2830	3870	3050	2980	3200	3260	A-10-006	37°43'52.6343"N	122°22'10.0713"W
8/31/2006	14:37:08	6	50	3400	2910	3500	3540	3640	3840	2510	4550	3210	3250	2980	3060	A-10-006	37°43'52.5325"N	122°22'09.9708"W
8/31/2006	14:37:16	6	50	3650	2790	2960	3180	3600	3440	2620	3950	3260	3020	2950	2990	A-10-006	37°43'52.5827"N	122°22'09.9738"W
8/31/2006	14:37:24	6	50	3730	2830	3530	3410	3350	3390	2640	3640	3060	3180	3130	3140	A-10-006	37°43'52.7646"N	122°22'10.0734"W
8/31/2006	14:37:35	6	50	3400	2850	3010	3790	3670	3800	2790	3440	2820	3000	2990	3090	A-10-006	37°43'52.7645"N	122°22'10.0716"W
8/31/2006	14:37:46	6	50	3420	2930	3310	3900	4030	3200	2470	3720	3370	3150	3060	3250	A-10-006	37°43'52.8062"N	122°22'10.0775"W
8/31/2006	14:37:54	6	50	3780	2560	3150	3180	3720	3620	2910	4190	3340	3000	3150	2830	A-10-006	37°43'52.7133"N	122°22'09.9949"W
8/31/2006	14:38:02	6	50	3520	2970	3170	3710	3460	3480	2710	3850	2920	3100	3260	3250	A-10-006	37°43'52.9026"N	122°22'10.1024"W
8/31/2006	14:38:10	6	50	3690	3370	3520	4020	3810	3260	2780	4180	2870	3260	3430	2760	A-10-006	37°43'52.9514"N	122°22'10.1143"W
8/31/2006	14:38:18	6	50	3500	3320	3880	3650	3910	4150	2970	3890	3390	3400	3110	3280	A-10-006	37°43'53.0050"N	122°22'10.1278"W
8/31/2006	14:38:27	6	50	4210	3680	4490	3990	4630	4440	3180	4710	3810	2960	3500	3790	A-10-006	37°43'53.0613"N	122°22'10.1436"W
8/31/2006	14:38:35	6	50	4590	4180	4170	4340	5160	4380	3480	5170	3930	4280	3900	4130	A-10-006	37°43'53.1157"N	122°22'10.1575"W
8/31/2006	14:38:43	6	50	4450	3860	4070	4550	4710	4380	3740	5050	3740	4160	4110	4490	A-10-006	37°43'53.1633"N	122°22'10.1699"W
8/31/2006	14:38:52	6	50	4240	3380	4140	4480	4610	4310	3540	5190	4370	4480	4530	4370	A-10-006	37°43'53.2060"N	122°22'10.1955"W
8/31/2006	14:39:02	6	50	4820	3630	3870	4540	4880	4610	3420	4830	4150	3850	4060	4180	A-10-006	37°43'53.2114"N	122°22'10.2005"W
8/31/2006	14:39:34	6	50	4900	4110	3940	4310	4770	4290	3410	4730	3780	4040	3630	3950	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:39:43	6	50	4270	3560	3820	4570	5020	4620	3670	4680	3980	4080	4180	4050	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:39:50	6	50	4430	3550	3840	4490	4390	3920	3490	4170	4100	3560	3610	4070	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:39:57	6	50	4160	3190	3620	4110	4350	3960	3090	4740	3590	3660	3260	3430	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:05	6	50	3900	3510	3430	3860	4060	3930	2860	4120	3700	3680	3340	3360	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:14	6	50	3830	3480	3600	3750	4280	4130	2920	4500	3740	3660	3360	3530	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:22	6	50	3800	3240	3980	3620	4200	4280	3340	4140	3740	3820	3550	3980	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:30	6	50	3870	3320	3740	3960	4330	3610	3190	4520	3230	3270	3750	3510	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:37	6	50	4000	3440	4150	4270	4470	3680	3670	5070	3810	3620	3670	3750	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:45	6	50	3760	3100	3400	3810	4280	3680	3310	4800	4200	3680	3840	4110	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:40:52	6	50	4010	3380	3720	3840	3950	3820	2960	4560	3450	3630	3720	3270	A-10-006	37°43'53.0598"N	122°22'10.0179"W
8/31/2006	14:41:01	6	50	3700	2890	3260	3480	3800	3770	3090	3970	3150	3440	3270	3360	A-10-006	37°43'52.5481"N	122°22'10.4452"W
8/31/2006	14:41:09	6	50	3250	2650	3420	3530	3530	3440	2860	3780	3210	2820	2940	3100	A-10-006	37°43'52.5481"N	122°22'10.4452"W
8/31/2006	14:41:16	6	50	3640	2930	3330	3360	3800	3350	2820	3870	2730	3120	3170	3140	A-10-006	37°43'52.5481"N	122°22'10.4452"W
8/31/2006	14:41:23	6	50	3420	2980	3320	3600	3560	3480	2630	3980	2870	3350	2890	3050	A-10-006	37°43'52.3562"N	122°22'10.4841"W
8/31/2006	14:41:31	6	50	3750	3280	3450	4020	3580	3670	3050	4340	3310	3530	3370	3120	A-10-006	37°43'52.3097"N	122°22'10.4666"W
8/31/2006	14:41:40	6	50	3620	2890	3370	3560	4030	3530	3060	4010	3490	3600	3550	3120	A-10-006	37°43'52.2712"N	122°22'10.5097"W
8/31/2006	14:41:49	6	50	3640	3180	3460	4040	4390	3580	3060	4220	3190	3430	3430	3290	A-10-006	37°43'52.2287"N	122°22'10.5033"W
8/31/2006	14:41:57	6	50	3650	2800	3510	3810	4160	3520	2780	4180	3510	3480	3610	3160	A-10-006	37°43'52.1633"N	122°22'10.4313"W
8/31/2006	14:42:06	6	50	3900	3470	3720	4280	4280	4000	3130	4330	3510	3300	3570	3380	A-10-006	37°43'52.1170"N	122°22'10.4107"W
8/31/2006	14:42:13	6	50	3900	3110	3510	3870	3990	3760	3050	3890	3260	3280	3280	3530	A-10-006	37°43'52.0596"N	122°22'10.4082"W
8/31/2006	14:42:23	6	50	3630	2760	2940	3540	3770	3550	3040	4200	3290	3730	3080	3560	A-10-006	37°43'52.2565"N	122°22'10.5833"W
8/31/2006	14:42:33	6	50	4050	2670	3170	3420	3530	3410	2630	3960	2650	2840	3080	2940	A-10-006	37°43'52.2565"N	122°22'10.5833"W
8/31/2006	14:42:43	6	50	3680	2850	3090	3500	3870	3370	2350	3700	3000	2840	2760	2820	A-10-006	37°43'52.2565"N	122°22'10.5833"W
8/31/2006	14:43:09	6	50	4130	2920	3230	3440	3790	3700	2820	3790	3350	2830	2980	3090	A-10-006	37°43'52.0663"N	122°22'10.5435"W
8/31/2006	14:43:18	6	50	4250	3130	3980	3490	3980	4040	2910	4470	3490	3000	3150	3580	A-10-006	37°43'52.2901"N	122°22'10.4333"W
8/31/2006	14:43:25	6	50	3980	3410	3820	3330	4010	3970	2960	4120	3530	3490	3180	3430	A-10-006	37°43'52.1443"N	122°22'10.4632"W
8/31/2006	14:43:32	6	50	4070	2980	3660	3820	4180	3950	2940	4150	3620	3700	3280	3790	A-10-006	37°43'52.1828"N	122°22'10.4318"W
8/31/2006	14:43:40	6	50	4080	2990	3150	3770	3960	3740	2700	4090	3460	3860	3400	3360	A-10-006	37°43'52.2238"N	122°22'10.2209"W
8/31/2006	14:43:49	6	50	3730	3720	3190	3530	3940	3720	3000	4120	3060	3220	3280	3260	A-10-006	37°43'52.2688"N	122°22'10.1817"W
8/31/2006	14:43:58	6	50	3460	3040	3070	3030	3970	3760	3060	4050	3420	3670	3320	3130	A-10-006	37°43'52.3011"N	122°22'10.3299"W
8/31/2006	14:44:08	6	50	3800	2910	3150	3360	3840	3570	3050	3930	3240	2960	3560	3020	A-10-006	37°43'52.5507"N	122°22'10.2213"W
8/31/2006	14:44:17	6	50	3600	3450	3760	3130	4060	4160	3000	4050	3670	3270	3620	3580	A-10-006	37°43'52.5725"N	122°22'10.2027"W
8/31/2006	14:44:26	6	50	3140	3030	2870	3890	4000	4110	2950	4340	3780	3060	3440	3550	A-10-006	37°43'52.4498"N	122°22'10.0594"W
8/31/2006	14:44:34	6	50	3560	2860	3360	3330	3230	3270	2450	3750	2870	3100	3160	3090	A-10-006	37°43'52.6869"N	122°22'10.1572"W
8/31/2006	14:44:42	6	50	3530	2970	3420	3570	3450	3280	2550	3500	3050	3070	2860	2870	A-10-006	37°43'52.5489"N	122°22'10.0401"W
8/31/2006	14:44:57	6	50	3680	3070	3010	3790	3670	3320	2780	3620	2750	3180	2900	3050	A-10-006	37°43'52.5896"N	122°22'10.0404"W
8/31/2006	14:45:05	6	50	3560	3040	2990	3620	3750	3500	2680	3770	3310	3300	3140	3090	A-10-006	37°43'52.8367"N	122°22'10.1581"W
8/31/2006	14:45:14	6	50	3390	2820	2950	3460	3570	3330	2970	3840	2650	3250	2940	2910	A-10-006	37°43'52.8870"N	122°22'10.1657"W

8/31/2006	14:45:21	6	50	3610	2670	3150	3320	3760	3530	2530	3770	2750	3580	3050	3150	A-10-006	37°43'52.9467"N	122°22'10.1753"W
8/31/2006	14:45:28	6	50	3560	3190	3180	3450	3990	3730	2580	4260	3120	3340	3080	3470	A-10-006	37°43'53.0030"N	122°22'10.1879"W
8/31/2006	14:45:36	6	50	4030	3190	3660	3740	4050	3800	2980	3860	3230	3580	3500	3380	A-10-006	37°43'53.0571"N	122°22'10.2002"W
8/31/2006	14:45:44	6	50	3920	3340	3580	3580	3900	3900	2820	4050	3360	3010	3410	3200	A-10-006	37°43'53.1116"N	122°22'10.2133"W
8/31/2006	14:45:54	6	50	4280	4110	4130	4200	4570	4390	3360	4540	4210	3720	3890	3990	A-10-006	37°43'53.1673"N	122°22'10.2329"W
8/31/2006	14:46:07	6	50	4020	3910	3770	4290	4740	4780	3550	5330	3770	3460	3970	4140	A-10-006	37°43'53.1730"N	122°22'10.2354"W
8/31/2006	14:46:17	6	50	4850	3870	4230	4350	4830	4360	3470	4800	3910	4050	3970	3660	A-10-006	37°43'53.2257"N	122°22'10.2860"W
8/31/2006	14:47:02	6	50	4400	3710	3770	4390	4350	3930	3600	4740	3980	4290	3770	3880	A-10-006	37°43'53.1355"N	122°22'10.3138"W
8/31/2006	14:47:14	6	50	4130	3670	3910	4260	4400	3910	3160	4990	3930	3530	3710	3830	A-10-006	37°43'53.0897"N	122°22'10.3730"W
8/31/2006	14:47:23	6	50	3630	2920	3520	3390	4080	3670	3120	4010	3200	3700	3180	3620	A-10-006	37°43'53.0457"N	122°22'10.4154"W
8/31/2006	14:47:30	6	50	3120	3000	3080	3740	3750	3700	2860	4160	3380	3020	3310	3310	A-10-006	37°43'53.0082"N	122°22'10.4509"W
8/31/2006	14:47:38	6	50	3510	2980	3250	3630	3820	3540	2960	3810	3520	3280	2890	3470	A-10-006	37°43'52.9693"N	122°22'10.4833"W
8/31/2006	14:47:45	6	50	3440	2950	3630	3520	3580	4030	2940	3920	3270	3200	3250	3370	A-10-006	37°43'52.9266"N	122°22'10.5196"W
8/31/2006	14:47:54	6	50	3780	3520	3440	3520	4110	3900	2690	3870	3150	3270	3370	2960	A-10-006	37°43'52.8796"N	122°22'10.5553"W
8/31/2006	14:48:02	6	50	3700	2910	3550	3550	3890	3620	2530	4130	3330	3360	3210	3080	A-10-006	37°43'52.8335"N	122°22'10.5788"W
8/31/2006	14:48:11	6	50	3730	2770	3160	3510	4210	3650	2880	3910	3090	3780	3180	3310	A-10-006	37°43'52.7792"N	122°22'10.5962"W
8/31/2006	14:48:19	6	50	3910	2960	3020	3510	3690	3660	2950	3860	3070	3280	3360	3420	A-10-006	37°43'52.7281"N	122°22'10.6064"W
8/31/2006	14:48:26	6	50	3770	2920	3340	3560	3220	3360	2930	4090	3070	2990	3020	3380	A-10-006	37°43'52.7281"N	122°22'10.6064"W
8/31/2006	14:48:34	6	50	3950	3080	3190	3750	3820	3650	2950	4110	3570	3190	3200	3450	A-10-006	37°43'52.4631"N	122°22'10.4126"W
8/31/2006	14:48:43	6	50	3880	2990	3620	3630	4010	3930	2860	4000	3390	2960	3070	3510	A-10-006	37°43'52.4631"N	122°22'10.4126"W
8/31/2006	14:48:51	6	50	3630	3310	3620	3750	4140	4090	3020	4280	3140	3650	3800	3440	A-10-006	37°43'52.5135"N	122°22'10.5938"W
8/31/2006	14:48:59	6	50	4090	3390	3720	3910	4260	3380	3240	4010	3150	3070	3430	3370	A-10-006	37°43'52.2808"N	122°22'10.3992"W
8/31/2006	14:49:08	6	50	3830	3160	3150	3610	4420	3770	3360	4420	3380	3690	3260	2940	A-10-006	37°43'52.2808"N	122°22'10.3992"W
8/31/2006	14:49:16	6	50	3900	2950	3870	3630	3820	3450	3130	4120	3520	3480	3120	3290	A-10-006	37°43'52.1806"N	122°22'10.3776"W
8/31/2006	14:49:23	6	50	4380	3370	3530	4170	4460	4110	3120	4590	3700	3460	3520	3410	A-10-006	37°43'52.1349"N	122°22'10.3682"W
8/31/2006	14:49:34	6	50	4040	3230	3860	4490	4510	4080	3100	4540	3720	3680	4040	3510	A-10-006	37°43'52.1349"N	122°22'10.3682"W
8/31/2006	14:49:43	6	50	3420	2880	3520	3300	3980	3750	2780	4100	3450	3580	3290	3410	A-10-006	37°43'52.1349"N	122°22'10.3682"W
8/31/2006	14:50:13	6	50	3640	3320	3520	3530	4340	3990	3060	4380	3200	3800	3650	3170	A-10-006	37°43'52.1349"N	122°22'10.3682"W
8/31/2006	14:50:20	6	50	4030	3300	3660	3520	3960	3600	2990	4390	3270	3320	3540	3690	A-10-006	37°43'52.4222"N	122°22'10.4089"W
8/31/2006	14:50:28	6	50	4050	3340	3470	4090	4780	3780	3200	4480	3470	3520	3650	3240	A-10-006	37°43'52.2445"N	122°22'10.4781"W
8/31/2006	14:50:35	6	50	4030	3290	3450	3560	3760	3880	3350	4290	3310	3670	3470	3460	A-10-006	37°43'52.2718"N	122°22'10.2363"W
8/31/2006	14:50:42	6	50	3660	3230	3780	3550	3940	4330	2860	4600	3400	2890	3420	3070	A-10-006	37°43'52.5329"N	122°22'10.3053"W
8/31/2006	14:50:49	6	50	3390	2840	3090	3130	3940	3560	2740	3860	3250	2760	3590	3020	A-10-006	37°43'52.5798"N	122°22'10.2699"W
8/31/2006	14:50:57	6	50	3520	3070	3000	3580	3930	3840	3030	4170	3380	3190	3390	3530	A-10-006	37°43'52.6266"N	122°22'10.2413"W
8/31/2006	14:51:05	6	50	3650	2870	3010	3150	3490	3190	2740	3610	2940	2860	3210	3160	A-10-006	37°43'52.6755"N	122°22'10.2181"W
8/31/2006	14:51:14	6	50	3830	2940	3080	3310	3900	3240	3090	3820	2790	2910	3030	3210	A-10-006	37°43'52.7282"N	122°22'10.2028"W
8/31/2006	14:51:23	6	50	3710	2900	3340	3590	4050	3220	2670	3550	2880	3620	2870	2880	A-10-006	37°43'52.7797"N	122°22'10.1952"W
8/31/2006	14:51:30	6	50	3660	2860	3120	3540	3790	3430	2410	4240	3320	3360	3090	2860	A-10-006	37°43'52.8372"N	122°22'10.1956"W
8/31/2006	14:51:39	6	50	3120	2640	3070	3150	3720	3050	2440	3650	3130	3110	2920	2790	A-10-006	37°43'52.8964"N	122°22'10.2009"W
8/31/2006	14:51:46	6	50	3330	2640	2740	3000	3520	3420	2660	3650	3330	2830	3150	2940	A-10-006	37°43'52.9441"N	122°22'10.2105"W
8/31/2006	14:51:53	6	50	3730	2930	3560	3410	3780	3500	2730	3920	3030	3240	3250	3030	A-10-006	37°43'52.9951"N	122°22'10.2201"W
8/31/2006	14:52:00	6	50	3520	3090	3440	3630	4230	3430	3150	4120	3600	2830	3090	3270	A-10-006	37°43'53.0413"N	122°22'10.2301"W
8/31/2006	14:52:07	6	50	3820	3110	3290	4290	4220	3690	2860	4170	3330	3140	3250	3780	A-10-006	37°43'53.0924"N	122°22'10.2391"W
8/31/2006	14:52:15	6	50	3970	3550	3770	3700	4520	4140	2940	4420	3560	3610	3350	3420	A-10-006	37°43'53.1509"N	122°22'10.2601"W
8/31/2006	14:52:24	6	50	4140	3350	4010	3960	4280	4790	3380	4520	3740	3730	3680	4000	A-10-006	37°43'53.1782"N	122°22'10.2733"W
8/31/2006	14:52:51	6	50	3760	3310	3690	3850	3940	3750	2790	4240	3500	3190	3270	3310	A-10-006	37°43'53.1162"N	122°22'10.2035"W
8/31/2006	14:53:00	6	50	3710	3050	3240	3730	3920	3610	2780	3760	2920	3120	3150	2990	A-10-006	37°43'53.0071"N	122°22'10.3919"W
8/31/2006	14:53:10	6	50	3280	2880	3270	3420	3720	3640	2660	3920	3160	3310	3160	3380	A-10-006	37°43'52.9601"N	122°22'10.4298"W
8/31/2006	14:53:19	6	50	3530	2810	3080	3630	3470	3220	3100	3830	2850	2970	3440	2980	A-10-006	37°43'52.9161"N	122°22'10.4607"W
8/31/2006	14:53:27	6	50	3770	3070	3440	3890	3830	3420	3160	4090	3070	3400	3080	3220	A-10-006	37°43'52.8752"N	122°22'10.4846"W
8/31/2006	14:53:34	6	50	3510	3240	3420	3440	3870	3560	3070	3960	3370	3210	2990	3320	A-10-006	37°43'52.8215"N	122°22'10.5062"W
8/31/2006	14:53:42	6	50	3800	3160	3590	3790	3690	3720	3050	4340	3160	3490	3340	3600	A-10-006	37°43'52.7602"N	122°22'10.5232"W
8/31/2006	14:53:50	6	50	3590	2980	3560	3710	3800	3500	2900	4230	3570	3160	3000	3270	A-10-006	37°43'52.6993"N	122°22'10.5308"W
8/31/2006	14:53:57	6	50	3690	3400	3270	3380	3880	4040	2860	4340	3360	3370	3250	2920	A-10-006	37°43'52.6993"N	122°22'10.5308"W
8/31/2006	14:54:05	6	50	3530	2970	3180	3480	3910	3660	2980	3880	3350	3280	3430	2890	A-10-006	37°43'52.5976"N	122°22'10.5344"W
8/31/2006	14:54:13	6	50	3840	3150	3710	3460	3930	3640	2910	4190	3300	3430	3480	3480	A-10-006	37°43'52.5456"N	122°22'10.5301"W
8/31/2006	14:54:21	6	50	3470	2800	3890	3290	3640	3620	2640	4130	3400	2760	2980	3460	A-10-006	37°43'52.5352"N	122°22'10.5307"W
8/31/2006	14:54:29	6	50	3580	3050	3700	3870	4100	4200	2980	3850	3360	3360	3310	3690	A-10-006	37°43'52.4893"N	122°22'10.5266"W
8/31/2006	14:54:38	6	50	3830	3170	3660	3920	4420	3330	2980	4310	3100	3630	3220	3200	A-10-006	37°43'52.1673"N	122°22'10.4067"W
8/31/2006	14:54:49	6	50	3660	3340	3650	3430	4040	4350	2870	4190	3610	3650	3190	3370	A-10-006	37°43'52.1673"N	122°22'10.4067"W
8/31/2006	14:55:42	6	50	4210	3160	3580	3950	4520	4000	3230	4490	3660	3580	3470	3310	A-10-006	37°43'52.4885"N	122°22'10.4041"W
8/31/2006	14:56:04	6	50	3890	2980	3160	3320	4620	4130	3190	4310	3850	3550	3590	3540	A-10-006	37°43'52.2723"N	122°22'10.2790"W
8/31/2006	14:56:12	6	50	3510	2680	3090	2950	3370	3140	2640	3730	3260	2930	3040	3500	A-10-006	37°43'52.2723"N	122°22'10.2790"W
8/31/2006	14:56:20	6	50	3440	2980	3350	3370	3600	3560	2690	4020	2840	3170	3200	3020	A-10-006	37°43'52.5886"N	122°22'10.3193"W
8/31/2006	14:56:28	6	50	4340	3160	3140	3550	3860	3490	3200	3970	3070	3410	3150	3030	A-10-006	37°43'52.6533"N	122°22'10.2812"W
8/31/2006	14:56:36	6	50	3220	2530	2850	3520	3330	3200	2790	3240	2970	2930	3110	3320	A-10-006	37°43'52.7074"N	122°22'10.2551"W

8/31/2006 14:56:44	6	50	3710	2740	3200	3410	3640	3420	2890	3720	2760	2740	3150	3270	A-10-006	37°43'52.7602"N	122°22'10.2412"W
8/31/2006 14:56:53	6	50	3240	2900	3260	3650	3880	3380	2910	3930	3500	3190	3170	3270	A-10-006	37°43'52.8081"N	122°22'10.2359"W
8/31/2006 14:57:11	6	50	3600	2450	2830	3890	3310	3510	3030	3920	3160	3250	3280	3180	A-10-006	37°43'52.8535"N	122°22'10.2352"W
8/31/2006 14:57:18	6	50	3660	2930	3040	3410	3570	3540	2760	3430	3160	3290	2890	3080	A-10-006	37°43'52.9082"N	122°22'10.2367"W
8/31/2006 14:57:26	6	50	3300	3010	3290	3230	3260	3330	2330	3390	2990	3140	3220	3090	A-10-006	37°43'52.9529"N	122°22'10.2415"W
8/31/2006 14:57:34	6	50	3410	3040	2870	3380	3910	3520	2850	4030	3360	3420	3220	3540	A-10-006	37°43'53.0046"N	122°22'10.2496"W
8/31/2006 14:57:44	6	50	3970	3380	3560	3840	4260	3810	3010	4120	2940	3310	3260	3410	A-10-006	37°43'53.0549"N	122°22'10.2636"W
8/31/2006 14:57:53	6	50	3300	3110	3580	3450	4030	4040	2970	3730	3450	3260	3350	3420	A-10-006	37°43'53.0959"N	122°22'10.2941"W
8/31/2006 14:58:31	6	50	3510	3020	3030	3550	3820	3190	2870	4530	3530	3370	3410	3360	A-10-006	37°43'53.0053"N	122°22'10.3266"W
8/31/2006 14:58:40	6	50	3560	2800	3090	3410	3750	3330	2520	4210	3110	3260	3470	3080	A-10-006	37°43'53.0053"N	122°22'10.3266"W
8/31/2006 14:58:51	6	50	3650	2770	3630	3320	3840	3550	2800	3800	2870	2880	3080	2890	A-10-006	37°43'52.8493"N	122°22'10.4145"W
8/31/2006 14:58:58	6	50	3270	2950	2830	3580	3680	3300	2640	3980	2700	3330	3010	3080	A-10-006	37°43'52.8393"N	122°22'10.3948"W
8/31/2006 14:59:05	6	50	3760	3020	3560	3970	3970	3720	2720	3960	3160	3520	3020	3340	A-10-006	37°43'52.7850"N	122°22'10.4362"W
8/31/2006 14:59:14	6	50	3420	2970	3350	3560	3740	3450	2650	3370	3330	3260	3470	3430	A-10-006	37°43'52.7486"N	122°22'10.4504"W
8/31/2006 14:59:21	6	50	3570	2550	3070	3370	3420	3080	2740	3850	2860	2730	2920	3110	A-10-006	37°43'52.7486"N	122°22'10.4504"W
8/31/2006 14:59:31	6	50	3120	3070	3580	2920	3590	3930	2670	3770	3240	3250	3150	3250	A-10-006	37°43'52.6697"N	122°22'10.4644"W
8/31/2006 14:59:39	6	50	3340	2680	3450	3110	3320	3480	2840	3550	3040	3140	2910	2920	A-10-006	37°43'52.6159"N	122°22'10.4705"W
8/31/2006 14:59:50	6	50	3510	3160	3190	3620	3490	3680	2590	3830	3030	3090	2910	3740	A-10-006	37°43'52.5667"N	122°22'10.4659"W
8/31/2006 14:59:59	6	50	3620	2910	3210	3990	3820	3740	2670	3680	3300	2930	3080	2940	A-10-006	37°43'52.2596"N	122°22'10.2977"W
8/31/2006 15:00:10	6	50	3860	3400	3550	4070	3760	3840	3150	4290	3130	3340	3440	3240	A-10-006	37°43'52.2100"N	122°22'10.2838"W
8/31/2006 15:00:44	6	50	3790	2990	2830	3130	3690	3300	2940	3390	3440	2960	3140	2890	A-10-006	37°43'52.2325"N	122°22'10.3668"W
8/31/2006 15:00:52	6	50	3850	3100	3410	3020	3660	3680	2630	3560	3040	3310	2510	3120	A-10-006	37°43'52.6469"N	122°22'10.3367"W
8/31/2006 15:01:00	6	50	3600	3240	3370	3750	3730	3640	3160	4440	3080	3730	3830	3470	A-10-006	37°43'52.6853"N	122°22'10.3160"W
8/31/2006 15:01:07	6	50	3830	3250	3220	3630	3820	3560	3150	4100	3630	3190	3330	3350	A-10-006	37°43'52.7206"N	122°22'10.2973"W
8/31/2006 15:01:15	6	50	3270	2920	3060	3170	3410	3310	2630	3690	2900	3140	2920	3280	A-10-006	37°43'52.7689"N	122°22'10.2804"W
8/31/2006 15:01:24	6	50	3860	3080	3460	3580	4020	3470	2620	3890	2820	2850	3320	3290	A-10-006	37°43'52.8188"N	122°22'10.2696"W
8/31/2006 15:01:32	6	50	3610	3000	3320	3740	4070	3530	2640	3950	2990	3080	3330	3260	A-10-006	37°43'52.8603"N	122°22'10.2655"W
8/31/2006 15:01:39	6	50	3970	3240	3600	3220	3740	3560	2860	3610	2690	3430	2940	3200	A-10-006	37°43'52.9186"N	122°22'10.2618"W
8/31/2006 15:01:49	6	50	3720	3090	3410	3590	4010	3500	2800	3600	3030	3200	3010	3250	A-10-006	37°43'52.9760"N	122°22'10.2616"W
8/31/2006 15:01:58	6	50	3720	2740	3380	3400	3800	3670	2360	3660	3000	2990	3080	3140	A-10-006	37°43'53.0266"N	122°22'10.2675"W
8/31/2006 15:02:06	6	50	3810	3050	3810	3870	3920	3480	2660	3690	3210	3290	3020	3060	A-10-006	37°43'53.0652"N	122°22'10.2737"W
8/31/2006 15:02:28	6	50	3670	2940	3180	3170	3510	3430	2500	3760	2990	2880	3070	3220	A-10-006	37°43'52.9331"N	122°22'10.3407"W
8/31/2006 15:02:36	6	50	3360	3070	3100	3340	3570	3440	2820	3550	2890	3320	3150	2790	A-10-006	37°43'52.8941"N	122°22'10.3567"W
8/31/2006 15:02:43	6	50	3190	2940	2940	3370	3470	3010	2520	3670	3380	3190	2780	3270	A-10-006	37°43'52.8454"N	122°22'10.3719"W
8/31/2006 15:02:50	6	50	3330	2760	2850	3270	3520	3610	2840	3980	3250	3090	3270	3200	A-10-006	37°43'52.7930"N	122°22'10.3865"W
8/31/2006 15:02:58	6	50	3480	2700	3050	3600	4020	3200	2650	3940	3010	3030	2930	3220	A-10-006	37°43'52.7402"N	122°22'10.3984"W
8/31/2006 15:03:05	6	50	3020	2800	2780	3280	3510	3400	2600	3870	2810	3180	2980	2610	A-10-006	37°43'52.6997"N	122°22'10.4070"W
8/31/2006 15:03:11	6	50	3510	2790	3260	3290	3730	3330	2720	3720	2730	3090	2900	2890	A-10-006	37°43'52.3722"N	122°22'10.2747"W
8/31/2006 15:03:20	6	50	3580	3140	3110	3420	3600	3450	2790	3970	3290	3160	3130	3070	A-10-006	37°43'52.3391"N	122°22'10.2803"W
8/31/2006 15:03:30	6	50	3420	2990	3130	3140	3820	2980	2620	3460	2890	2850	3140	3110	A-10-006	37°43'52.3027"N	122°22'10.2838"W
8/31/2006 15:03:56	6	50	3320	2960	3610	3290	3800	3490	2530	3700	3130	2780	2840	3050	A-10-006	37°43'52.6544"N	122°22'10.3143"W
8/31/2006 15:04:03	6	50	3980	2990	3390	3560	4000	3820	3050	4030	2870	3550	3170	3310	A-10-006	37°43'52.6913"N	122°22'10.3042"W
8/31/2006 15:04:12	6	50	3830	2760	2790	3500	3880	3610	3260	3940	3610	3490	3090	3630	A-10-006	37°43'52.7414"N	122°22'10.2773"W
8/31/2006 15:04:21	6	50	3270	3040	2980	3100	3510	3100	2620	3460	2870	3160	3150	3290	A-10-006	37°43'52.7834"N	122°22'10.2634"W
8/31/2006 15:04:31	6	50	3300	3180	3050	3140	4030	3330	2900	3620	2880	3290	3140	3010	A-10-006	37°43'52.8303"N	122°22'10.2531"W
8/31/2006 15:04:40	6	50	3600	2980	3290	3430	3530	3340	2780	3520	2970	3300	2910	3010	A-10-006	37°43'52.8707"N	122°22'10.2452"W
8/31/2006 15:04:49	6	50	3640	2960	3430	3640	3670	3680	2690	3600	2980	3240	3260	2910	A-10-006	37°43'52.9055"N	122°22'10.2410"W
8/31/2006 15:04:57	6	50	3830	2960	3260	3510	3810	3530	2840	3850	3350	2960	3110	2950	A-10-006	37°43'52.9474"N	122°22'10.2377"W
8/31/2006 15:05:05	6	50	3210	3050	2910	3830	3770	3290	2910	4200	3060	3160	2910	3260	A-10-006	37°43'52.9973"N	122°22'10.2509"W
8/31/2006 15:05:16	6	50	3530	2900	3360	3910	3540	4020	2510	4100	3440	3030	2850	2940	A-10-006	37°43'53.0455"N	122°22'10.2418"W
8/31/2006 15:05:26	6	50	4160	3240	3360	3680	4150	3570	3010	3760	3080	3210	2880	3430	A-10-006	37°43'53.0818"N	122°22'10.2453"W
		Maximum:	4900	4400	4990	5390	5290	5390	4060	5730	5170	4690	4690	4980			
		Std Dev:	372.5	369.1	413.1	395.6	437.0	428.9	342.7	453.0	404.1	366.0	387.1	407.5			
		Average:	3772.8	3169.9	3523.6	3712.2	4040.0	3785.1	3000.9	4144.5	3401.1	3395.8	3355.4	3447.0			
		3 σ Investigation Level:	7194.2	7058.9	7230.0	7020.5	7025.2	7150.9	7291.9	7026.5	7248.2	7118.6	7014.7	7069.7			

Investigation Level Exceeded

ATTACHMENT 3

OVERBURDEN UNIT
GAMMA SPECTROSCOPY REPORTS

OVERBURDEN UNIT 50

GAMMA SPECTROSCOPY REPORTS

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 19:18:43 Page 1
New World Technology Spectrum name: 7N000680.An1

Sample description
Parcel B 6PBOPA12-005-050-01 357g
8/19/06 10:10

Acquisition information
Start time: 19-Aug-2006 18:33:33
Live time: 2700
Real time: 2704

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***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
AC-228		1.3907E+00	3.1842E-01	3.2257E-01	0.106E+00
AM-241	#B	-6.4925E-02	-2.6293E+00	-2.6293E+00	0.142E+00
BI-212	F	7.7389E-01	5.1237E-01	5.1318E-01	0.379E+00
BI-214	F	7.4119E-01	2.2174E-01	2.2343E-01	0.965E-01
CO-60	#B	-3.2027E-03	-8.8144E-02	-8.8144E-02	0.677E-01
CS-137	#B	8.2786E-03	4.8233E-02	4.8234E-02	0.388E-01
EU-152	B	7.8681E-02	8.7666E-02	8.7715E-02	0.126E+00
EU-154	F	2.5462E-01	1.6244E-01	1.6271E-01	0.842E-01
K-40		1.4479E+01	2.4003E+00	2.4597E+00	0.161E+01
PA-234	F	3.3774E-01	2.1676E-01	2.1713E-01	0.129E+00
PB-210	#B	2.4317E-01	2.8374E+00	2.8374E+00	0.181E+01
PB-212	F	8.2746E-01	1.4672E-01	1.4990E-01	0.963E-01
PB-214		7.5753E-01	1.7600E-01	1.7822E-01	0.116E+00
RA-226	B	2.6257E-01	1.4917E+00	1.4917E+00	0.129E+01
Th-230	#B	-1.3948E+01	-1.0953E+02	-1.0953E+02	0.131E+02
TH-234	B	-8.1477E-01	-2.7305E+00	-2.7307E+00	0.144E+01
TL-208	F	2.6036E-01	8.8744E-02	8.9267E-02	0.168E+00
U-235	#B	-6.5982E-01	-1.2208E+00	-1.2210E+00	0.113E+00

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< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (42.1 to 2683.2 keV) 1.8969669E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 19-AUG-2006 19:19:02 Page 1
New World Technology Spectrum name: 2N003720.An1

Sample description
Parcel B 6PBOPA12-005-050-02 379g
8/19/06 10:20

Acquisition information
Start time: 19-Aug-2006 18:28:58
Live time: 2700
Real time: 2704

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***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		6.5708E-01	1.9432E-01	1.9584E-01	0.181E+00
AM-241	#B	-5.9154E-01	2.1092E+03	2.1092E+03	0.678E+00
Bi-212	F	5.6685E-01	3.4949E-01	3.5012E-01	0.219E+00
BI-214	F	6.2467E-01	1.8288E-01	1.8434E-01	0.977E-01
CO-60	#B	-2.1580E-02	-9.6127E-02	-9.6131E-02	0.266E-01
Cs-137	#B	-4.0378E-02	-1.6674E-01	-1.6674E-01	0.551E-01
EU-152	B	8.6535E-02	1.0298E-01	1.0303E-01	0.102E+00
EU-154	B	5.3135E-02	8.8855E-02	8.8877E-02	0.697E-01
K-40		1.0126E+01	1.4926E+00	1.5392E+00	0.589E+00
PA-234	B	6.9820E-02	2.0966E-01	2.0968E-01	0.171E+00
Pb-210	#C	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212		6.2719E-01	1.3561E-01	1.3759E-01	0.896E-01
PB-214		6.8670E-01	1.8710E-01	1.8883E-01	0.109E+00
RA-226	A	5.4288E-01	1.1538E+00	1.1539E+00	0.100E+01
Th-230	B	-3.0730E+01	-7.1319E+01	-7.1328E+01	0.312E+02
TH-234	#A	1.5853E+00	3.0741E+00	3.0747E+00	0.239E+01
Tl-208	#F	2.1396E-01	5.4680E-02	5.5253E-02	0.184E-01
U-235	A	2.0105E-02	1.2987E-01	1.2987E-01	0.668E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2673.8 keV) 1.3502420E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 21:44:00 Page 1
New World Technology Spectrum name: 6N000809.An1

Sample description
Parcel B 6PBOPA12-005-050-03 354g
8/19/06 10:30

Acquisition information
Start time: 19-Aug-2006 20:13:47
Live time: 5400
Real time: 5406

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***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	6.1461E-01	1.8048E-01	1.8192E-01	0.155E+00
AM-241	#A	-8.6754E-02	-9.5611E-01	-9.5611E-01	0.514E-01
Bi-212	F	5.1783E-01	2.2080E-01	2.2164E-01	0.298E+00
BI-214	F	4.6258E-01	1.3845E-01	1.3951E-01	0.894E-01
CO-60	#B	-9.0637E-03	-5.9579E-02	-5.9580E-02	0.384E-01
CS-137	#B	-3.8137E-02	-1.5469E-01	-1.5470E-01	0.387E-01
EU-152	B	1.3717E-02	2.8606E-02	2.8610E-02	0.730E-01
EU-154	F	1.0377E-01	9.9054E-02	9.9128E-02	0.437E-01
K-40		5.8628E+00	1.2082E+00	1.2277E+00	0.916E+00
Pa-234	#B	2.9676E-02	9.7847E-02	9.7853E-02	0.834E-01
Pb-210		3.1815E+00	1.2587E+00	1.2643E+00	0.770E+00
Pb-212	F	8.5970E-01	9.9426E-02	1.0442E-01	0.655E-01
PB-214		3.6501E+00	9.2925E-01	9.3908E-01	0.685E+00
RA-226	B	5.2998E-01	8.6175E-01	8.6197E-01	0.754E+00
Th-230	#B	-1.3951E+01	-8.4547E+01	-8.4548E+01	0.769E+01
Th-234	B	8.4626E-02	8.1661E-01	8.1661E-01	0.733E+00
Tl-208	F	2.6466E-01	7.3301E-02	7.3956E-02	0.412E-01
U-235	#B	-5.5533E-01	-1.7367E+00	-1.7368E+00	0.680E-01

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 1.4895879E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 19-AUG-2006 20:08:44 Page 1
New World Technology Spectrum name: 2N003721.An1

Sample description
Parcel B 6PBOPA12-005-050-04 342g
8/19/06 10:40

Acquisition information
Start time: 19-Aug-2006 19:23:37
Live time: 2700
Real time: 2704

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***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		4.9459E-01	3.3063E-01	3.3114E-01	0.198E+00
AM-241	A	1.2837E-01	9.3445E-01	9.3446E-01	0.802E+00
Bi-212	F	5.1133E-01	3.8686E-01	3.8733E-01	0.262E+00
BI-214	F	3.9620E-01	1.5382E-01	1.5452E-01	0.934E-01
CO-60	#B	-2.9349E-02	9.0935E+01	9.0935E+01	0.320E-01
Cs-137	#B	-4.8285E-03	-6.5276E-02	-6.5276E-02	0.574E-01
EU-152	B	1.2344E-01	8.1238E-02	8.1366E-02	0.129E+00
EU-154	B	5.9196E-02	8.9924E-02	8.9951E-02	0.687E-01
K-40		9.0635E+00	1.5067E+00	1.5438E+00	0.653E+00
PA-234	#C	1.5330E-01	1.3644E-01	1.3656E-01	0.149E+00
Pb-210	#F	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212		4.1933E-01	1.1826E-01	1.1928E-01	0.804E-01
PB-214	F	3.8472E-01	1.6112E-01	1.6176E-01	0.108E+00
RA-226	#B	-1.0483E+00	-5.6816E+00	-5.6818E+00	0.125E+01
Th-230	B	-2.2112E+01	-2.8128E+01	-2.8140E+01	0.298E+02
TH-234	#B	0.0000E+00	6.8525E+03	6.8525E+03	0.296E+01
Tl-208	#	2.3623E-01	9.0925E-02	9.1347E-02	0.204E-01
U-235	C	6.6948E-02	1.0216E-01	1.0219E-01	0.638E-01

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---------- S U M M A R Y ----------

Total Activity (41.8 to 2673.8 keV) 1.1505890E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 20:12:45 Page 1
New World Technology Spectrum name: 7N000681.An1

Sample description
Parcel B 6PBOPA12-005-050-05 375g
8/19/06 10:50

Acquisition information
Start time: 19-Aug-2006 19:27:34
Live time: 2700
Real time: 2705

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***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
AC-228		8.7616E-01	2.6965E-01	2.7160E-01	0.112E+00
AM-241	#B	-2.3925E-02	-3.5605E-01	-3.5606E-01	0.147E+00
BI-212		7.4672E-01	4.7814E-01	4.7895E-01	0.345E+00
BI-214	F	6.3435E-01	1.4672E-01	1.4859E-01	0.635E-01
CO-60	#B	-1.0722E-01	-4.8519E-01	-4.8521E-01	0.557E-01
CS-137	#B	3.6569E-02	6.9197E-02	6.9210E-02	0.430E-01
EU-152	F	3.7311E-01	1.2436E-01	1.2513E-01	0.116E+00
EU-154	F	2.1870E-01	1.6172E-01	1.6192E-01	0.801E-01
K-40	#	1.1498E+01	2.1471E+00	2.1890E+00	0.153E+01
PA-234	F	2.4897E-01	1.6760E-01	1.6785E-01	0.118E+00
PB-210	#B	-2.3002E+00	-4.2222E+00	-4.2231E+00	0.149E+01
PB-212	F	6.3511E-01	1.2457E-01	1.2678E-01	0.830E-01
PB-214		6.2804E-01	1.7245E-01	1.7402E-01	0.103E+00
RA-226	B	3.4713E-01	1.3203E+00	1.3203E+00	0.114E+01
Th-230	#B	-1.4215E+01	-1.4473E+02	-1.4474E+02	0.143E+02
TH-234	#B	-2.0912E-01	-1.6326E+00	-1.6326E+00	0.126E+01
TL-208	#B	-3.5063E-02	-4.1016E-02	-4.1037E-02	0.160E+00
U-235	B	-6.3067E-01	-1.1099E+00	-1.1101E+00	0.105E+00

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C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (42.1 to 2683.2 keV) 1.5018078E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 19-AUG-2006 16:43:37 Page 1
New World Technology Spectrum name: 3N003668.An1

Sample description
Parcel B 6PBOPA12-005-050-06 330g
8/19/06 11:00

Acquisition information
Start time: 19-Aug-2006 15:39:49
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	5.8250E-01	2.5992E-01	2.6081E-01	0.193E+00
AM-241	#A	8.9523E-02	1.4683E-01	1.4687E-01	0.106E+00
Bi-212	F	9.1815E-01	4.6252E-01	4.6377E-01	0.281E+00
BI-214	F	5.1487E-01	1.7924E-01	1.8025E-01	0.121E+00
CO-60	#B	-2.5795E-02	-1.1656E-01	-1.1657E-01	0.294E-01
Cs-137	A	1.6156E-02	7.1468E-02	7.1470E-02	0.631E-01
EU-152	F	3.0085E-01	1.4182E-01	1.4226E-01	0.928E-01
EU-154	B	5.5718E-02	8.9803E-02	8.9827E-02	0.721E-01
K-40		6.6641E+00	1.5906E+00	1.6097E+00	0.125E+01
PA-234	#B	9.6607E-02	1.7879E-01	1.7882E-01	0.132E+00
Pb-210	A	2.6533E-01	1.2190E+00	1.2190E+00	0.107E+01
PB-212		7.4642E-01	1.3730E-01	1.4006E-01	0.823E-01
PB-214		6.0490E-01	1.8392E-01	1.8528E-01	0.128E+00
RA-226	#B	-4.9843E-01	-2.2610E+00	-2.2611E+00	0.113E+01
Th-230	#B	-7.6707E+00	-5.0371E+01	-5.0372E+01	0.956E+01
TH-234	C	9.3762E-01	8.4020E-01	8.4092E-01	0.915E+00
Tl-208	B	-2.2147E-02	-1.4717E-02	-1.4740E-02	0.141E+00
U-235	A	4.3323E-02	8.8476E-02	8.8491E-02	0.661E-01

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A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 kev) 1.0030925E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 20:40:49 Page 1
New World Technology Spectrum name: 5N000815.An1

Sample description
Parcel B 6PBOPA12-005-050-07 323g
8/19/06 11:10

Acquisition information
Start time: 19-Aug-2006 19:55:39
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	8.7111E-01	3.5431E-01	3.5577E-01	0.220E+00
AM-241	#B	1.2179E-01	2.4667E-01	2.4671E-01	0.160E+00
Bi-212	F	1.3911E+00	4.8096E-01	4.8371E-01	0.244E+00
BI-214	F	5.7179E-01	1.8998E-01	1.9116E-01	0.123E+00
CO-60	#F	3.8171E-02	3.6164E-02	3.6192E-02	0.218E-01
CS-137	#B	-5.2983E-02	-7.6008E-01	-7.6009E-01	0.482E-01
EU-152	F	2.1032E-01	1.3640E-01	1.3662E-01	0.106E+00
EU-154	F	1.3671E-01	1.5629E-01	1.5637E-01	0.775E-01
K-40		9.6424E+00	1.8439E+00	1.8782E+00	0.120E+01
Pa-234	F	1.1634E-01	1.4141E-01	1.4147E-01	0.107E+00
Pb-210	#B	-9.0858E-01	-2.3216E+00	-2.3219E+00	0.128E+01
Pb-212	F	9.7497E-01	1.5759E-01	1.6168E-01	0.105E+00
PB-214		9.9841E-01	2.4953E-01	2.5226E-01	0.115E+00
RA-226	#B	-4.3674E-03	-1.3392E+00	-1.3392E+00	0.116E+01
Th-230	#B	-1.4384E+01	-8.1849E+01	-8.1851E+01	0.105E+02
Th-234		2.4342E+00	1.0706E+00	1.0744E+00	0.969E+00
Tl-208		3.5213E-01	7.8051E-02	7.9135E-02	0.888E-01
U-235	B	-9.6691E-01	-1.7609E+00	-1.7613E+00	0.123E+00

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A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.7236046E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 21:03:38 Page 1
New World Technology Spectrum name: 7N000682.An1

Sample description
Parcel B 6PBOPA12-005-050-08 359g
8/19/06 11:20

Acquisition information
Start time: 19-Aug-2006 20:18:27
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
AC-228	F	8.4240E-01	3.0550E-01	3.0709E-01	0.130E+00
AM-241	B	6.6746E-02	1.4907E-01	1.4909E-01	0.123E+00
BI-212	F	4.5436E-01	4.6650E-01	4.6680E-01	0.363E+00
BI-214	#F	5.7853E-01	1.6343E-01	1.6484E-01	0.729E-01
CO-60	#B	-5.1111E-03	-5.3581E-03	-5.3615E-03	0.602E-01
CS-137	#B	7.6877E-03	5.1780E-02	5.1780E-02	0.402E-01
EU-152	B	-1.3710E-01	-1.4930E+00	-1.4930E+00	0.966E-01
EU-154	F	2.1273E-01	1.0571E-01	1.0600E-01	0.758E-01
K-40	F	2.3873E+00	2.6263E+00	2.6278E+00	0.235E+01
PA-234	F	7.0205E-01	2.5377E-01	2.5510E-01	0.131E+00
PB-210	#B	-6.2624E-01	-2.7071E+00	-2.7072E+00	0.160E+01
PB-212	F	5.5780E-01	1.2732E-01	1.2899E-01	0.874E-01
PB-214	F	4.3249E-01	1.2820E-01	1.2920E-01	0.110E+00
RA-226	#B	-1.3028E+00	-7.0099E+00	-7.0101E+00	0.131E+01
Th-230	B	7.6986E+00	2.0727E+01	2.0729E+01	0.141E+02
TH-234	#B	6.3185E-01	6.1334E-01	6.1378E-01	0.133E+01
TL-208	B	6.6573E-03	5.9087E-03	5.9139E-03	0.133E+00
U-235	#B	-6.1259E-01	-7.3755E-01	-7.3790E-01	0.106E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (42.1 to 2683.2 keV) 3.1132731E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 21:34:31 Page 1
New World Technology Spectrum name: 5N000816.An1

Sample description
Parcel B 6PBOPA12-005-050-09 350g
8/19/06 11:30

Acquisition information
Start time: 19-Aug-2006 20:49:21
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#B	1.2984E-01	2.3388E-01	2.3393E-01	0.191E+00
AM-241	#B	-1.1208E-01	-6.0335E-01	-6.0337E-01	0.117E+00
Bi-212	F	4.3612E-01	3.9423E-01	3.9456E-01	0.280E+00
BI-214	F	3.9213E-01	2.3793E-01	2.3837E-01	0.119E+00
CO-60	#F	5.3223E-02	2.1835E-02	2.1924E-02	0.196E-01
CS-137	#B	-3.7977E-02	-2.2845E-01	-2.2845E-01	0.443E-01
EU-152	B	4.6039E-02	8.3061E-02	8.3078E-02	0.868E-01
EU-154	F	8.2271E-02	1.0467E-01	1.0471E-01	0.514E-01
K-40		7.8382E+00	1.5843E+00	1.6107E+00	0.109E+01
Pa-234	B	6.8635E-02	9.3244E-02	9.3279E-02	0.114E+00
Pb-210	#B	-1.5069E+00	-3.0211E+00	-3.0216E+00	0.120E+01
Pb-212	F	3.1659E-01	1.1659E-01	1.1718E-01	0.936E-01
PB-214		5.7856E-01	1.8245E-01	1.8371E-01	0.877E-01
RA-226	B	3.0911E-01	1.1823E+00	1.1823E+00	0.102E+01
Th-230	#B	-1.5876E+01	-1.1925E+02	-1.1925E+02	0.778E+01
Th-234	F	1.4948E+00	8.4895E-01	8.5074E-01	0.830E+00
Tl-208		2.3283E-01	6.0641E-02	6.1252E-02	0.820E-01
U-235	#B	-9.4368E-01	-5.5529E+00	-5.5530E+00	0.115E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 9.7944727E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 20-AUG-2006 00:01:59 Page 1
New World Technology Spectrum name: 7N000683.An1

Sample description
Parcel B 6PBOPA12-005-050-10 352g
8/19/06 11:40

Acquisition information
Start time: 19-Aug-2006 22:31:44
Live time: 5400
Real time: 5409

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
AC-228		1.2759E+00	2.0378E-01	2.0920E-01	0.907E-01
AM-241	B	1.0189E-01	1.3545E-01	1.3551E-01	0.111E+00
BI-212	F	1.0477E+00	3.5024E-01	3.5239E-01	0.240E+00
BI-214	F	9.4591E-01	1.7629E-01	1.7975E-01	0.726E-01
CO-60	#B	-4.0978E-02	-8.9995E-02	-9.0008E-02	0.493E-01
CS-137	#B	7.5572E-04	5.5515E-02	5.5515E-02	0.364E-01
EU-152	B	-1.3381E-01	-1.1484E+00	-1.1484E+00	0.918E-01
EU-154	F	1.0226E-01	6.2450E-02	6.2565E-02	0.598E-01
K-40		1.5640E+01	1.7487E+00	1.8424E+00	0.115E+01
PA-234	F	3.1377E-01	1.5445E-01	1.5489E-01	0.102E+00
PB-210	#B	-1.4806E+00	-2.1693E+00	-2.1700E+00	0.114E+01
PB-212	F	1.0824E+00	1.1172E-01	1.1871E-01	0.696E-01
PB-214		7.9655E-01	1.1301E-01	1.1681E-01	0.778E-01
RA-226	B	3.9144E-01	1.0438E+00	1.0439E+00	0.899E+00
Th-230	#B	-1.6742E+01	-1.5650E+02	-1.5650E+02	0.898E+01
TH-234	#B	4.0371E-02	1.0258E-01	1.0259E-01	0.102E+01
TL-208	F	2.3361E-01	6.9721E-02	7.0257E-02	0.127E+00
U-235	B	-6.8677E-01	-1.1112E+00	-1.1115E+00	0.832E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (42.1 to 2683.2 keV) 2.1102200E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 19-AUG-2006 23:05:44 Page 1
New World Technology Spectrum name: 2N003723.An1

Sample description
Parcel B 6PBOPA12-005-050-11 352g
8/19/06 11:50

Acquisition information
Start time: 19-Aug-2006 22:20:36
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		9.4912E-01	2.5416E-01	2.5659E-01	0.200E+00
AM-241	#A	8.2084E-01	1.3437E+00	1.3441E+00	0.851E+00
Bi-212	B	2.6380E-01	4.7562E-01	4.7572E-01	0.376E+00
BI-214	F	7.9071E-01	2.4968E-01	2.5140E-01	0.116E+00
CO-60	#B	-3.0100E-02	-9.7379E-02	-9.7385E-02	0.294E-01
Cs-137	A	3.1553E-02	5.1495E-02	5.1508E-02	0.484E-01
EU-152	F	1.4412E-01	1.0018E-01	1.0032E-01	0.132E+00
EU-154	A	5.4003E-02	7.0803E-02	7.0831E-02	0.735E-01
K-40		1.1270E+01	1.6308E+00	1.6836E+00	0.635E+00
PA-234	A	7.6983E-02	1.4918E-01	1.4921E-01	0.177E+00
Pb-210	#F	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212		9.6888E-01	1.5062E-01	1.5486E-01	0.854E-01
PB-214		7.8815E-01	2.3808E-01	2.3987E-01	0.126E+00
RA-226	A	2.3791E-01	1.4001E+00	1.4001E+00	0.122E+01
Th-230	A	6.2640E+00	3.9369E+01	3.9369E+01	0.376E+02
TH-234		9.3882E+00	5.3654E+00	5.3766E+00	0.318E+01
Tl-208	#	3.9944E-01	7.6943E-02	7.8359E-02	0.198E-01
U-235	B	8.7377E-03	4.2791E-02	4.2792E-02	0.796E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2673.8 keV) 2.4554117E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 23:09:36 Page 1
New World Technology Spectrum name: 5N000817.An1

Sample description
Parcel B 6PBOPA12-005-050-12 349g
8/19/06 12:00

Acquisition information
Start time: 19-Aug-2006 22:24:26
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	8.9057E-01	3.4730E-01	3.4887E-01	0.203E+00
AM-241	#B	-1.4058E-01	-1.3991E+00	-1.3992E+00	0.131E+00
Bi-212	F	7.4765E-01	5.0127E-01	5.0203E-01	0.386E+00
BI-214	F	6.8357E-01	2.0800E-01	2.0953E-01	0.120E+00
CO-60	#B	-1.0194E-02	-5.0768E-02	-5.0770E-02	0.193E-01
CS-137	#B	-3.3645E-02	-2.1685E-01	-2.1686E-01	0.511E-01
EU-152	B	5.6603E-02	9.6309E-02	9.6332E-02	0.826E-01
EU-154	F	2.8054E-01	1.2878E-01	1.2920E-01	0.733E-01
K-40		7.3290E+00	1.4836E+00	1.5083E+00	0.106E+01
Pa-234	F	1.6263E-01	1.1619E-01	1.1634E-01	0.108E+00
Pb-210	#B	-1.6553E+00	-3.2875E+00	-3.2880E+00	0.124E+01
Pb-212		9.4267E-01	1.4425E-01	1.4842E-01	0.937E-01
PB-214		8.6084E-01	1.9370E-01	1.9631E-01	0.941E-01
RA-226		1.2623E+00	1.2063E+00	1.2072E+00	0.997E+00
Th-230	#B	-1.6336E+01	-2.3281E+02	-2.3281E+02	0.976E+01
Th-234		2.9881E+00	8.8065E-01	8.8755E-01	0.101E+01
Tl-208	B	4.1869E-02	2.2322E-02	2.2376E-02	0.110E+00
U-235	#B	-8.8453E-01	-1.8817E+00	-1.8820E+00	0.123E+00

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.5704686E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 23:16:00 Page 1
New World Technology Spectrum name: 6N000810.An1

Sample description
Parcel B 6PBOPA12-005-050-13 357g
8/19/06 12:10

Acquisition information
Start time: 19-Aug-2006 22:30:51
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#B	-5.9202E-01	-1.3504E+01	-1.3504E+01	0.232E+00
AM-241	#A	2.4744E-02	1.6890E-01	1.6890E-01	0.114E+00
Bi-212	#B	1.9193E-01	3.7956E-01	3.7963E-01	0.346E+00
BI-214	#F	4.9035E-01	1.9233E-01	1.9319E-01	0.113E+00
CO-60	#B	-8.3883E-02	-2.4936E-01	-2.4938E-01	0.463E-01
CS-137	#F	4.7556E-02	6.5572E-02	6.5595E-02	0.424E-01
EU-152	#B	-1.0384E-02	-2.3798E-01	-2.3798E-01	0.960E-01
EU-154	F	1.1668E-01	1.0048E-01	1.0057E-01	0.689E-01
K-40		6.3817E+00	1.8319E+00	1.8471E+00	0.138E+01
Pa-234	#B	1.5722E-02	3.5710E-02	3.5714E-02	0.923E-01
Pb-210	#B	-1.5644E-01	-1.8250E+00	-1.8250E+00	0.108E+01
Pb-212	F	3.7488E-01	1.1039E-01	1.1127E-01	0.838E-01
PB-214	C	1.8757E+00	1.0512E+00	1.0535E+00	0.794E+00
RA-226	F	1.0226E+00	1.1398E+00	1.1404E+00	0.984E+00
Th-230	#B	-8.2642E+00	-4.7784E+01	-4.7785E+01	0.115E+02
Th-234	#B	-8.8867E-01	-2.4742E+00	-2.4744E+00	0.104E+01
Tl-208	F	1.7985E-01	1.0384E-01	1.0406E-01	0.497E-01
U-235	#B	-5.0155E-01	-9.9162E-01	-9.9180E-01	0.984E-01

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A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 9.3024969E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 19-AUG-2006 23:56:43 Page 1
New World Technology Spectrum name: 2N003724.An1

Sample description
Parcel B 6PBOPA12-005-050-14 381g
8/19/06 12:20

Acquisition information
Start time: 19-Aug-2006 23:11:36
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		5.1440E-01	2.1319E-01	2.1404E-01	0.173E+00
AM-241	#B	-5.6956E-01	-1.1891E+01	-1.1891E+01	0.447E+00
Bi-212		6.6723E-01	3.9528E-01	3.9605E-01	0.260E+00
BI-214		3.8616E-01	1.5318E-01	1.5385E-01	0.906E-01
CO-60	#B	-1.9515E-03	-2.5309E-02	-2.5309E-02	0.264E-01
Cs-137	#B	-1.7003E-02	-7.0018E-02	-7.0020E-02	0.477E-01
EU-152	F	1.2680E-01	8.0193E-02	8.0330E-02	0.121E+00
EU-154	F	1.0755E-01	5.7358E-02	5.7495E-02	0.871E-01
K-40	#	9.6854E+00	1.4593E+00	1.5029E+00	0.586E+00
PA-234	#B	2.2591E-02	1.1842E-01	1.1843E-01	0.139E+00
Pb-210	#C	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212	F	4.6569E-01	1.2909E-01	1.3024E-01	0.914E-01
PB-214	F	3.4543E-01	1.7429E-01	1.7476E-01	0.101E+00
RA-226	#B	-2.6630E-01	-1.6647E+00	-1.6647E+00	0.106E+01
Th-230	#B	-2.1690E+01	-2.4070E+01	-2.4084E+01	0.277E+02
TH-234	#A	2.6809E+00	4.0759E+00	4.0771E+00	0.285E+01
Tl-208	#B	5.9179E-02	3.4263E-02	3.4333E-02	0.601E-01
U-235	#B	-1.2370E-02	-1.0879E-01	-1.0879E-01	0.574E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2673.8 keV) 1.2064299E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 20-AUG-2006 00:02:34 Page 1
New World Technology Spectrum name: 5N000818.An1

Sample description
Parcel B 6PBOPA12-005-050-15 364g
8/19/06 12:30

Acquisition information
Start time: 19-Aug-2006 23:17:24
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	7.2743E-01	3.2543E-01	3.2655E-01	0.199E+00
AM-241	#B	-8.8750E-02	-4.4345E-01	-4.4346E-01	0.120E+00
Bi-212	F	8.3924E-01	4.4406E-01	4.4515E-01	0.287E+00
BI-214	F	5.4084E-01	1.7583E-01	1.7697E-01	0.104E+00
CO-60	#B	1.0377E-02	2.4144E-02	2.4147E-02	0.191E-01
CS-137	#B	-5.2699E-02	1.2694E+02	1.2694E+02	0.397E-01
EU-152	F	1.2220E-01	1.1686E-01	1.1695E-01	0.906E-01
EU-154	F	7.1078E-02	7.5432E-02	7.5478E-02	0.652E-01
K-40		6.9823E+00	1.4197E+00	1.4431E+00	0.102E+01
Pa-234	B	8.1932E-02	9.1224E-02	9.1274E-02	0.110E+00
Pb-210	#B	-9.0209E-02	-1.6542E+00	-1.6542E+00	0.118E+01
Pb-212		6.1414E-01	1.2738E-01	1.2940E-01	0.909E-01
PB-214		6.4047E-01	1.8663E-01	1.8814E-01	0.913E-01
RA-226	B	8.7454E-01	1.1611E+00	1.1616E+00	0.975E+00
Th-230	#B	-7.1377E+00	-3.0569E+01	-3.0570E+01	0.111E+02
Th-234	F	1.5588E+00	7.6408E-01	7.6625E-01	0.950E+00
Tl-208	#	2.3280E-01	5.7619E-02	5.8261E-02	0.788E-01
U-235	#B	-8.4750E-01	-1.5894E+00	-1.5897E+00	0.113E+00

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.0577224E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 16:58:21 Page 1
New World Technology Spectrum name: 7N000679.An1

Sample description
Parcel B 6PBOPA12-005-050-16 379g
8/19/06 12:40

Acquisition information
Start time: 19-Aug-2006 16:13:11
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
AC-228		1.6497E+00	3.7117E-01	3.7618E-01	0.127E+00
AM-241	B	1.0873E-03	1.7260E-01	1.7260E-01	0.144E+00
BI-212	F	8.0044E-01	4.9992E-01	5.0080E-01	0.368E+00
BI-214	F	9.6242E-01	1.6128E-01	1.6519E-01	0.801E-01
CO-60	#B	-1.0609E-01	-6.7210E-01	-6.7211E-01	0.563E-01
CS-137	#B	-5.2068E-02	-3.2567E-01	-3.2568E-01	0.308E-01
EU-152	F	2.2846E-01	1.3135E-01	1.3162E-01	0.119E+00
EU-154	F	2.9650E-01	2.0075E-01	2.0105E-01	0.856E-01
K-40	#	2.6620E+01	3.0279E+00	3.1848E+00	0.160E+01
PA-234	F	1.8234E-01	1.7358E-01	1.7371E-01	0.142E+00
PB-210	#B	-1.9558E+00	-3.7222E+00	-3.7229E+00	0.140E+01
PB-212	F	1.0432E+00	1.5436E-01	1.5913E-01	0.940E-01
PB-214		8.3551E-01	2.0441E-01	2.0675E-01	0.100E+00
RA-226	B	1.6190E-01	1.3424E+00	1.3424E+00	0.117E+01
Th-230	#B	-1.2180E+01	-9.8031E+01	-9.8032E+01	0.155E+02
TH-234	B	-9.5669E-01	-2.8845E+00	-2.8847E+00	0.134E+01
TL-208	F	1.9968E-01	6.1494E-02	6.1938E-02	0.163E+00
U-235	#B	-6.2433E-01	-2.3557E+00	-2.3558E+00	0.102E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (42.1 to 2683.2 keV) 3.1910902E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 19-AUG-2006 23:59:20 Page 1
New World Technology Spectrum name: 1N003033.An1

Sample description
Parcel B 6PBOPA12-005-050-17 363g
08/19/06 12:50

Acquisition information
Start time: 19-Aug-2006 23:14:10
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		8.1037E-01	1.9638E-01	1.9867E-01	0.854E-01
AM-241	#A	4.8786E-02	1.1740E-01	1.1741E-01	0.845E-01
Bi-212	F	6.7408E-01	3.8243E-01	3.8325E-01	0.264E+00
BI-214	#F	1.3549E+00	4.0396E-01	4.0708E-01	0.671E+00
CO-60	#A	-4.4771E-02	-2.3225E-01	-2.3226E-01	0.372E-01
CS-137	#	7.9722E-02	5.0640E-02	5.0726E-02	0.255E-01
EU-152	C	1.2837E-01	8.9389E-02	8.9515E-02	0.823E-01
EU-154	A	5.5873E-02	4.9590E-02	4.9633E-02	0.596E-01
K-40		8.0816E+00	1.4178E+00	1.4492E+00	0.809E+00
Pa-234	#B	-3.5342E-02	-1.0769E-01	-1.0770E-01	0.613E-01
Pb-210	A	6.1712E-01	1.4698E+00	1.4700E+00	0.104E+01
Pb-212		7.9875E-01	1.3435E-01	1.3758E-01	0.796E-01
Pb-214		5.6007E-01	1.3809E-01	1.3964E-01	0.853E-01
RA-226	A	4.4296E-01	1.0763E+00	1.0765E+00	0.934E+00
Th-230	A	2.7621E+00	1.0814E+01	1.0814E+01	0.807E+01
Th-234	A	7.1732E-01	8.6316E-01	8.6357E-01	0.815E+00
Tl-208		2.8712E-01	6.9471E-02	7.0283E-02	0.726E-01
U-235	#F	8.1092E-02	7.4704E-02	7.4764E-02	0.604E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 1.2646607E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 20-AUG-2006 00:08:44 Page 1
New World Technology Spectrum name: 6N000811.An1

Sample description
Parcel B 6PBOPA12-005-050-18 369g
8/19/06 13:00

Acquisition information
Start time: 19-Aug-2006 23:23:35
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	4.7923E-01	2.5606E-01	2.5667E-01	0.212E+00
AM-241	#A	9.8757E-03	1.1838E-01	1.1838E-01	0.949E-01
Bi-212	#B	-2.8325E-01	-1.1664E+00	-1.1665E+00	0.422E+00
BI-214	F	2.3339E-01	1.6272E-01	1.6295E-01	0.121E+00
CO-60	#B	-8.3226E-02	-4.4581E-01	-4.4582E-01	0.464E-01
CS-137	#B	-4.5871E-02	-3.5340E-01	-3.5341E-01	0.524E-01
EU-152	F	1.3164E-01	1.1733E-01	1.1743E-01	0.825E-01
EU-154	B	5.0199E-02	8.2813E-02	8.2834E-02	0.662E-01
K-40		9.6543E+00	1.6134E+00	1.6527E+00	0.915E+00
Pa-234	#B	-6.3675E-02	-8.4567E-01	-8.4568E-01	0.915E-01
Pb-210	B	2.6234E-01	1.1350E+00	1.1351E+00	0.957E+00
Pb-212	F	5.2432E-01	1.1732E-01	1.1893E-01	0.839E-01
PB-214		1.8678E+00	1.2256E+00	1.2275E+00	0.819E+00
RA-226	B	4.6680E-01	1.2251E+00	1.2252E+00	0.107E+01
Th-230	#B	-1.5854E+01	-5.5989E+02	-5.5989E+02	0.864E+01
Th-234	B	2.7522E-01	7.2867E-01	7.2875E-01	0.109E+01
Tl-208	F	1.4031E-01	7.1228E-02	7.1418E-02	0.567E-01
U-235	B	-4.8901E-01	-1.0875E+00	-1.0876E+00	0.962E-01

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---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 1.2899288E+01 pCi/g

Laboratory: New World Technology

OVERBURDEN UNIT 53

GAMMA SPECTROSCOPY REPORTS

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 09:51:17 Page 1
New World Technology Spectrum name: 5N000902.An1

Sample description
Parcel B 6PBOPA07-005-053-01 355g
8/23/06 11:00

Acquisition information
Start time: 24-Aug-2006 09:06:08
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		7.9843E-01	2.9915E-01	3.0061E-01	0.188E+00
AM-241	#B	-3.1309E-02	-2.5479E-01	-2.5479E-01	0.127E+00
Bi-212	#F	1.1534E+00	7.4227E-01	7.4350E-01	0.329E+00
BI-214	F	7.2574E-01	2.3306E-01	2.3461E-01	0.129E+00
CO-60	#B	5.1962E-04	3.9644E-03	3.9644E-03	0.199E-01
CS-137	#B	-8.8061E-03	-6.5893E-02	-6.5894E-02	0.454E-01
EU-152	#B	-3.2643E-02	2.6535E+02	2.6535E+02	0.905E-01
EU-154	#B	-1.4821E-02	2.7624E+02	2.7624E+02	0.769E-01
K-40		1.5543E+01	1.9793E+00	2.0614E+00	0.107E+01
Pa-234	F	1.4508E-01	1.8413E-01	1.8421E-01	0.115E+00
Pb-210	#B	-7.9172E-01	-1.5397E+00	-1.5400E+00	0.107E+01
Pb-212		6.7149E-01	1.3222E-01	1.3455E-01	0.931E-01
PB-214	F	8.7198E-01	1.8301E-01	1.8584E-01	0.845E-01
RA-226	B	8.1619E-01	1.2505E+00	1.2508E+00	0.105E+01
Th-230	#B	-8.1945E+00	-3.5770E+01	-3.5771E+01	0.115E+02
Th-234	F	1.8473E+00	7.8714E-01	7.9009E-01	0.914E+00
Tl-208		2.7496E-01	6.2316E-02	6.3144E-02	0.808E-01
U-235	#B	-9.2238E-01	-4.3317E+00	-4.3319E+00	0.115E+00

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---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 2.0039316E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 10:09:40 Page 1
New World Technology Spectrum name: 3N003757.An1

Sample description
Parcel B 6PBOPA07-005-053-02 321g
8/23/06 11:10

Acquisition information
Start time: 24-Aug-2006 09:06:05
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	2.0473E-01	2.0778E-01	2.0791E-01	0.191E+00
AM-241	#B	-5.5062E-02	-1.0648E+00	-1.0648E+00	0.761E-01
Bi-212	F	3.5498E-01	4.4027E-01	4.4047E-01	0.328E+00
BI-214	F	2.9033E-01	2.3229E-01	2.3254E-01	0.128E+00
CO-60	#B	1.9961E-03	3.0466E-03	3.0475E-03	0.406E-01
Cs-137	A	2.5326E-02	5.1949E-02	5.1958E-02	0.479E-01
EU-152	F	6.6487E-02	6.5805E-02	6.5851E-02	0.643E-01
EU-154	#B	7.0411E-03	1.6555E-02	1.6557E-02	0.578E-01
K-40		6.3199E+00	1.6003E+00	1.6174E+00	0.129E+01
PA-234	#B	2.3973E-02	1.7428E-01	1.7428E-01	0.128E+00
Pb-210	A	1.9700E-01	1.3598E+00	1.3598E+00	0.112E+01
PB-212	F	2.2864E-01	1.1320E-01	1.1351E-01	0.914E-01
PB-214	F	3.5108E-01	1.7700E-01	1.7748E-01	0.132E+00
RA-226	A	2.6488E-02	1.1199E+00	1.1199E+00	0.101E+01
Th-230	#B	-1.2378E+01	2.5160E+04	2.5160E+04	0.788E+01
TH-234	A	6.7805E-01	8.8555E-01	8.8590E-01	0.793E+00
Tl-208	B	-4.9083E-03	-4.8603E-03	-4.8637E-03	0.135E+00
U-235	#B	-1.8481E-02	-1.2833E-01	-1.2833E-01	0.628E-01

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C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 7.1937909E+00 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 09:52:48 Page 1
New World Technology Spectrum name: 1N003125.An1

Sample description
Parcel B 6PBOPA07-005-053-03 323g
8/23/06 11:20

Acquisition information
Start time: 24-Aug-2006 09:07:38
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	#F	6.7566E-01	2.5170E-01	2.5294E-01	0.100E+00
AM-241	#A	-1.6870E-02	-1.4884E-01	-1.4884E-01	0.708E-01
Bi-212	F	5.5602E-01	3.7259E-01	3.7316E-01	0.314E+00
BI-214	F	9.4313E-01	6.2968E-01	6.3065E-01	0.431E+00
CO-60	#A	-5.1905E-02	-2.1821E-01	-2.1822E-01	0.406E-01
CS-137	A	2.1613E-02	3.2265E-02	3.2275E-02	0.240E-01
EU-152	C	2.0924E-01	1.3804E-01	1.3825E-01	0.698E-01
EU-154	#A	-2.9701E-02	-8.3683E-01	-8.3683E-01	0.518E-01
K-40		8.0201E+00	1.5209E+00	1.5498E+00	0.909E+00
Pa-234	#B	2.7000E-02	1.7222E-01	1.7222E-01	0.120E+00
Pb-210	#B	-4.6236E-01	-2.4122E+00	-2.4123E+00	0.118E+01
Pb-212		4.1486E-01	1.1084E-01	1.1190E-01	0.737E-01
Pb-214		3.6783E-01	1.3982E-01	1.4048E-01	0.850E-01
RA-226	#B	-2.5492E-01	-1.5709E+00	-1.5709E+00	0.103E+01
Th-230	#B	8.4346E+00	1.4034E+01	1.4037E+01	0.969E+01
Th-234	A	6.3450E-01	1.2765E+00	1.2768E+00	0.968E+00
Tl-208	#F	1.1071E-01	4.1119E-02	4.1324E-02	0.816E-01
U-235	B	1.4868E-02	6.6712E-02	6.6714E-02	0.576E-01

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< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 1.0977612E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 10:32:30 Page 1
New World Technology Spectrum name: 6N000891.An1

Sample description
Parcel B 6PBOPA07-005-053-04 377g
8/23/06 11:30

Acquisition information
Start time: 24-Aug-2006 09:47:19
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	5.1812E-01	2.5772E-01	2.5844E-01	0.200E+00
AM-241	#A	5.3165E-02	1.5476E-01	1.5477E-01	0.107E+00
Bi-212	#B	6.2540E-02	8.8446E-02	8.8476E-02	0.431E+00
BI-214	F	2.9550E-01	1.5330E-01	1.5369E-01	0.105E+00
CO-60	#B	-8.5918E-02	-3.7684E-01	-3.7686E-01	0.445E-01
CS-137	#B	-3.3281E-02	-1.5855E-01	-1.5855E-01	0.466E-01
EU-152	F	1.4251E-01	1.3308E-01	1.3319E-01	0.887E-01
EU-154	F	2.2436E-01	1.2271E-01	1.2299E-01	0.570E-01
K-40	#B	-3.0952E+00	1.2807E+04	1.2807E+04	0.220E+01
Pa-234	#B	8.9700E-02	1.8920E-01	1.8923E-01	0.118E+00
Pb-210		2.4403E+00	1.1236E+00	1.1272E+00	0.861E+00
Pb-212	F	4.9060E-01	1.1347E-01	1.1492E-01	0.829E-01
PB-214		1.5942E+00	1.0779E+00	1.0796E+00	0.832E+00
RA-226	B	9.8977E-02	1.1220E+00	1.1220E+00	0.100E+01
Th-230	#B	-2.0946E+00	-2.2118E+01	-2.2118E+01	0.113E+02
Th-234	#B	-2.7584E+00	4.8561E+03	4.8561E+03	0.112E+01
Tl-208	#F	1.1925E-01	5.8512E-02	5.8679E-02	0.454E-01
U-235	B	-4.8045E-01	-2.2079E+00	-2.2080E+00	0.924E-01

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A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 5.4579430E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 10:40:10 Page 1
New World Technology Spectrum name: 5N000903.An1

Sample description
Parcel B 6PBOPA07-005-053-05 363g
8/23/06 11:40

Acquisition information
Start time: 24-Aug-2006 09:55:00
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	3.8334E-01	2.4908E-01	2.4948E-01	0.181E+00
AM-241	#B	-1.3020E-01	-1.1179E+00	-1.1179E+00	0.123E+00
Bi-212	F	8.3818E-01	4.2964E-01	4.3077E-01	0.261E+00
BI-214	#F	3.8375E-01	1.7820E-01	1.7876E-01	0.109E+00
CO-60	#	6.6074E-02	3.6741E-02	3.6823E-02	0.171E-01
CS-137	#B	-4.1677E-02	-3.8156E-01	-3.8156E-01	0.465E-01
EU-152	F	2.7672E-01	1.5711E-01	1.5744E-01	0.981E-01
EU-154	#B	3.6545E-02	4.0663E-02	4.0685E-02	0.608E-01
K-40		1.1753E+01	1.6966E+00	1.7516E+00	0.102E+01
Pa-234	F	2.8432E-01	1.3303E-01	1.3345E-01	0.985E-01
Pb-210	#B	2.4028E-01	1.6645E+00	1.6645E+00	0.119E+01
Pb-212	F	4.6728E-01	1.3615E-01	1.3725E-01	0.944E-01
PB-214	F	6.6382E-01	1.8477E-01	1.8640E-01	0.846E-01
RA-226	B	6.1369E-01	1.1889E+00	1.1891E+00	0.101E+01
Th-230	#B	-7.0596E+00	-3.6164E+01	-3.6165E+01	0.110E+02
Th-234	B	2.7776E-01	3.3539E-01	3.3554E-01	0.101E+01
Tl-208	#	3.8302E-01	9.5876E-02	9.6921E-02	0.790E-01
U-235	#B	-8.8081E-01	-2.6220E+00	-2.6222E+00	0.115E+00

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.5222872E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 23-AUG-2006 18:48:12 Page 1
New World Technology Spectrum name: 2N003788.An1

Sample description
Parcel B 6PBOPA07-005-053-06 348g
8/23/06 11:50

Acquisition information
Start time: 23-Aug-2006 18:03:04
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		2.8684E-01	1.7713E-01	1.7745E-01	0.181E+00
AM-241	#B	-8.7367E-02	-1.0521E+00	-1.0521E+00	0.629E+00
Bi-212	F	6.0445E-01	3.8821E-01	3.8886E-01	0.250E+00
BI-214	F	2.5287E-01	1.7586E-01	1.7611E-01	0.968E-01
CO-60	#B	1.2381E-02	2.0377E-02	2.0382E-02	0.286E-01
Cs-137	A	8.9751E-03	4.5725E-02	4.5726E-02	0.470E-01
EU-152	F	1.1612E-01	8.7778E-02	8.7883E-02	0.977E-01
EU-154	C	5.8546E-02	5.1633E-02	5.1678E-02	0.563E-01
K-40		9.9598E+00	1.5444E+00	1.5880E+00	0.635E+00
PA-234	#F	1.7105E-01	1.5299E-01	1.5313E-01	0.617E-01
Pb-210	#F	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
PB-212	F	2.3816E-01	1.0569E-01	1.0606E-01	0.823E-01
PB-214		3.1152E-01	1.5480E-01	1.5523E-01	0.943E-01
RA-226	#B	-5.7193E-01	-2.2407E+00	-2.2408E+00	0.100E+01
Th-230	B	-4.7415E+00	-4.9857E+01	-4.9858E+01	0.323E+02
TH-234	B	9.5601E-01	4.2236E+00	4.2238E+00	0.341E+01
Tl-208		3.4309E-01	1.0716E-01	1.0792E-01	0.195E-01
U-235	#B	3.1139E-02	4.7460E-02	4.7474E-02	0.635E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2674.2 keV) 1.1996716E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 10:49:10 Page 1
New World Technology Spectrum name: 1N003126.An1

Sample description
Parcel B 6PBOPA07-005-053-07 375g
8/23/06 12:00

Acquisition information
Start time: 24-Aug-2006 10:04:00
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	7.4720E-01	2.0299E-01	2.0488E-01	0.124E+00
AM-241	#A	-3.6932E-02	-2.9925E-01	-2.9925E-01	0.436E-01
Bi-212	#B	-2.4468E-01	1.1509E+03	1.1509E+03	0.327E+00
BI-214	F	6.6879E-01	1.5635E-01	1.5830E-01	0.457E+00
CO-60	#A	-4.3795E-02	-3.3339E-01	-3.3339E-01	0.377E-01
CS-137		4.4112E-02	3.3557E-02	3.3597E-02	0.210E-01
EU-152	C	1.6815E-01	1.4073E-01	1.4086E-01	0.773E-01
EU-154	A	2.3619E-02	4.3278E-02	4.3287E-02	0.464E-01
K-40		1.0385E+01	1.5338E+00	1.5814E+00	0.783E+00
Pa-234	#B	-4.3776E-02	-3.6641E-01	-3.6641E-01	0.104E+00
Pb-210	A	8.2495E-01	1.3965E+00	1.3968E+00	0.958E+00
Pb-212		6.5027E-01	1.2482E-01	1.2713E-01	0.760E-01
Pb-214		4.5054E-01	1.6143E-01	1.6230E-01	0.896E-01
RA-226		1.0798E+00	1.0171E+00	1.0179E+00	0.852E+00
Th-230	#B	4.5319E+00	1.4236E+01	1.4237E+01	0.946E+01
Th-234	#	1.7824E+00	1.0876E+00	1.0896E+00	0.784E+00
Tl-208	#B	8.3517E-02	2.8291E-02	2.8460E-02	0.893E-01
U-235	A	4.4828E-02	4.5172E-02	4.5202E-02	0.566E-01

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 1.5139186E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 10:59:27 Page 1
New World Technology Spectrum name: 3N003758.An1

Sample description
Parcel B 6PBOPA07-005-053-08 342g
8/23/06 12:30

Acquisition information
Start time: 24-Aug-2006 10:13:46
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	7.7405E-01	3.0850E-01	3.0983E-01	0.203E+00
AM-241	#A	8.4905E-02	1.7510E-01	1.7513E-01	0.125E+00
Bi-212	#B	-4.8803E-02	1.2189E+03	1.2189E+03	0.363E+00
BI-214	F	8.2864E-01	2.6881E-01	2.7056E-01	0.141E+00
CO-60	#B	2.8629E-02	2.8896E-02	2.8915E-02	0.302E-01
Cs-137	A	3.5069E-02	4.7418E-02	4.7435E-02	0.427E-01
EU-152	#B	-4.8585E-03	2.3612E+02	2.3612E+02	0.102E+00
EU-154	F	1.3328E-01	1.3075E-01	1.3084E-01	0.739E-01
K-40		1.9032E+01	2.3195E+00	2.4244E+00	0.126E+01
PA-234	#B	-5.6031E-02	-7.2137E-01	-7.2137E-01	0.152E+00
Pb-210	#A	2.0980E-01	1.6643E+00	1.6643E+00	0.129E+01
PB-212	F	1.0754E+00	1.5010E-01	1.5531E-01	0.840E-01
PB-214		7.8500E-01	1.8359E-01	1.8588E-01	0.105E+00
RA-226	A	3.5227E-01	1.1179E+00	1.1179E+00	0.986E+00
Th-230	F	1.0944E+01	1.2422E+01	1.2429E+01	0.109E+02
TH-234	A	4.9637E-01	8.1840E-01	8.1861E-01	0.835E+00
Tl-208	C	1.8223E-01	5.6244E-02	5.6648E-02	0.139E+00
U-235	#B	1.1905E-02	2.4083E-02	2.4087E-02	0.584E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 2.2494631E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 11:21:37 Page 1
New World Technology Spectrum name: 6N000892.An1

Sample description
Parcel B 6PBOPA07-005-053-09 328g
8/23/06 12:40

Acquisition information
Start time: 24-Aug-2006 10:36:26
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	5.7512E-01	3.0343E-01	3.0418E-01	0.244E+00
AM-241	#A	-3.3191E-02	-4.0812E-01	-4.0812E-01	0.138E+00
Bi-212	B	1.3408E-01	4.1190E-01	4.1193E-01	0.390E+00
BI-214	F	3.1020E-01	1.5654E-01	1.5697E-01	0.122E+00
CO-60	#B	-8.2915E-02	-2.8029E-01	-2.8031E-01	0.529E-01
CS-137	#B	-4.6928E-02	-2.4417E-01	-2.4418E-01	0.507E-01
EU-152	F	1.7057E-01	1.2257E-01	1.2274E-01	0.104E+00
EU-154	F	1.9279E-01	1.4211E-01	1.4229E-01	0.779E-01
K-40		1.3575E+01	2.0446E+00	2.1058E+00	0.125E+01
Pa-234	#B	-4.0388E-02	-4.1506E-01	-4.1506E-01	0.137E+00
Pb-210	#	2.9431E+00	2.1366E+00	2.1394E+00	0.127E+01
Pb-212	F	5.8941E-01	1.3405E-01	1.3583E-01	0.963E-01
PB-214		3.7022E+00	1.3095E+00	1.3167E+00	0.953E+00
RA-226	B	6.7152E-01	1.3620E+00	1.3622E+00	0.118E+01
Th-230	#B	-1.8413E+01	2.2272E+04	2.2272E+04	0.961E+01
Th-234	B	-1.7822E-01	-6.6083E-01	-6.6087E-01	0.118E+01
Tl-208	F	2.9132E-01	1.2786E-01	1.2831E-01	0.660E-01
U-235	#B	-6.1864E-01	-5.9962E+00	-5.9962E+00	0.106E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 2.1986221E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 11:29:55 Page 1
New World Technology Spectrum name: 5N000904.An1

Sample description
Parcel B 6PBOPA07-005-053-10 352g
8/23/06 12:50

Acquisition information
Start time: 24-Aug-2006 10:44:46
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	3.4349E-01	2.9421E-01	2.9448E-01	0.200E+00
AM-241	#B	-8.8910E-02	-4.7654E-01	-4.7655E-01	0.117E+00
Bi-212	F	4.2347E-01	3.5529E-01	3.5563E-01	0.244E+00
BI-214	F	2.9905E-01	1.5850E-01	1.5889E-01	0.108E+00
CO-60	#B	-1.3323E-02	-6.8261E-02	-6.8262E-02	0.211E-01
CS-137	B	1.3942E-02	4.2256E-02	4.2260E-02	0.395E-01
EU-152	F	3.0285E-01	1.0095E-01	1.0157E-01	0.863E-01
EU-154	B	5.7944E-02	9.6489E-02	9.6513E-02	0.661E-01
K-40		1.1334E+01	1.7076E+00	1.7585E+00	0.105E+01
Pa-234	F	2.7099E-01	1.9261E-01	1.9287E-01	0.109E+00
Pb-210	#B	-1.5100E+00	-2.6795E+00	-2.6801E+00	0.112E+01
Pb-212	F	2.6547E-01	1.3586E-01	1.3622E-01	0.972E-01
PB-214	F	4.4403E-01	1.8330E-01	1.8404E-01	0.107E+00
RA-226	#B	-3.8465E-01	-2.1219E+00	-2.1220E+00	0.104E+01
Th-230	#B	-6.1071E+00	-2.7025E+01	-2.7026E+01	0.102E+02
Th-234	F	1.5095E+00	1.7298E+00	1.7307E+00	0.110E+01
Tl-208		2.1034E-01	6.8025E-02	6.8470E-02	0.815E-01
U-235	#B	-8.6825E-01	-1.2662E+00	-1.2666E+00	0.112E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.3591244E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 12:03:00 Page 1
New World Technology Spectrum name: 1N003127.An1

Sample description
Parcel B 6PBOPA07-005-053-11 368g
8/23/06 13:00

Acquisition information
Start time: 24-Aug-2006 10:53:21
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		9.2747E-01	2.5671E-01	2.5901E-01	0.102E+00
AM-241	#A	-3.1465E-02	-1.7928E-01	-1.7929E-01	0.444E-01
Bi-212	F	4.2564E-01	3.4806E-01	3.4842E-01	0.265E+00
BI-214	F	1.2359E+00	1.1620E+00	1.1629E+00	0.727E+00
CO-60	#A	-5.1601E-02	-1.6914E-01	-1.6915E-01	0.361E-01
CS-137	#A	-7.9039E-03	1.1040E+02	1.1040E+02	0.295E-01
EU-152	C	8.9143E-02	8.8370E-02	8.8432E-02	0.645E-01
EU-154	#A	-7.0106E-04	-2.4230E-03	-2.4231E-03	0.555E-01
K-40		1.2028E+01	1.6469E+00	1.7063E+00	0.798E+00
Pa-234	#B	-5.2973E-02	-3.1757E-01	-3.1757E-01	0.855E-01
Pb-210		1.3914E+00	1.5962E+00	1.5970E+00	0.103E+01
Pb-212		7.5735E-01	1.1935E-01	1.2262E-01	0.646E-01
Pb-214		5.8795E-01	2.0290E-01	2.0407E-01	0.100E+00
RA-226	A	3.1941E-01	1.0520E+00	1.0521E+00	0.920E+00
Th-230	#F	1.2178E+01	1.9632E+01	1.9637E+01	0.114E+02
Th-234	A	7.9424E-01	6.4102E-01	6.4169E-01	0.823E+00
Tl-208	#	2.3714E-01	6.6491E-02	6.7071E-02	0.716E-01
U-235	A	4.9605E-02	7.2641E-02	7.2664E-02	0.559E-01

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A - Activity printed, but activity < MDA.
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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 2.9768148E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 12:03:03 Page 1
New World Technology Spectrum name: 3N003759.An1

Sample description
Parcel B 6PBOPA07-005-053-12 380g
8/23/06 13:10

Acquisition information
Start time: 24-Aug-2006 11:09:02
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	3.3552E-01	2.3142E-01	2.3176E-01	0.191E+00
AM-241	#A	1.1695E-01	2.0269E-01	2.0274E-01	0.123E+00
Bi-212	F	7.1079E-01	3.8819E-01	3.8908E-01	0.241E+00
BI-214	F	3.8135E-01	1.5603E-01	1.5667E-01	0.104E+00
CO-60	#B	-2.6881E-02	-1.2000E-01	-1.2000E-01	0.256E-01
Cs-137	A	8.3822E-03	4.9885E-02	4.9886E-02	0.461E-01
EU-152	F	1.0260E-01	8.3375E-02	8.3462E-02	0.876E-01
EU-154	#B	-2.0147E-02	-4.9978E-01	-4.9978E-01	0.646E-01
K-40		3.0359E+00	2.3472E+00	2.3499E+00	0.199E+01
PA-234	#B	-8.2931E-02	3.3469E+02	3.3469E+02	0.111E+00
Pb-210	#B	-8.3208E-02	-1.4128E+00	-1.4128E+00	0.103E+01
PB-212		4.9186E-01	1.1008E-01	1.1158E-01	0.729E-01
PB-214		2.7208E-01	1.2749E-01	1.2789E-01	0.997E-01
RA-226	#B	-2.0971E-02	-9.5455E-01	-9.5455E-01	0.845E+00
Th-230	B	2.8356E-01	7.2656E-01	7.2663E-01	0.767E+01
TH-234	#A	7.6863E-01	6.6430E-01	6.6491E-01	0.818E+00
Tl-208	B	4.5423E-02	2.7400E-02	2.7452E-02	0.101E+00
U-235	#B	-1.2472E-02	-5.1269E-02	-5.1271E-02	0.557E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 4.8920074E+00 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 12:13:54 Page 1
New World Technology Spectrum name: 6N000893.An1

Sample description
Parcel B 6PBOPA07-005-053-13 362g
8/23/06 13:20

Acquisition information
Start time: 24-Aug-2006 11:28:42
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#F	5.3747E-01	2.8687E-01	2.8757E-01	0.218E+00
AM-241	#A	-5.4445E-02	-4.0121E-01	-4.0121E-01	0.921E-01
Bi-212	B	4.0415E-02	8.0831E-02	8.0844E-02	0.426E+00
BI-214	F	4.2854E-01	1.5436E-01	1.5518E-01	0.124E+00
CO-60	#B	-8.6945E-02	-5.6324E-01	-5.6325E-01	0.468E-01
CS-137	#B	-4.7910E-02	-4.0083E-01	-4.0084E-01	0.545E-01
EU-152	#B	-2.9207E-02	3.0762E+02	3.0762E+02	0.875E-01
EU-154	B	-4.1839E-02	1.6674E+02	1.6674E+02	0.631E-01
K-40		1.3516E+01	1.8468E+00	1.9137E+00	0.927E+00
Pa-234	#B	-7.3211E-02	-1.8119E+00	-1.8119E+00	0.986E-01
Pb-210		2.4597E+00	1.2416E+00	1.2450E+00	0.963E+00
Pb-212		9.7455E-01	1.3573E-01	1.4047E-01	0.834E-01
PB-214		1.9358E+00	1.3345E+00	1.3364E+00	0.104E+01
RA-226	F	1.2249E+00	1.3097E+00	1.3105E+00	0.111E+01
Th-230	#B	-7.4549E+00	-3.2693E+01	-3.2694E+01	0.101E+02
Th-234	B	6.9917E-01	1.3208E+00	1.3211E+00	0.113E+01
Tl-208	F	3.0599E-01	9.4067E-02	9.4750E-02	0.528E-01
U-235	#B	-5.3636E-01	-2.4041E+00	-2.4041E+00	0.102E+00

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B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 2.0158453E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 12:22:36 Page 1
New World Technology Spectrum name: 5N000905.An1

Sample description
Parcel B 6PBOPA07-005-053-14 363g
8/23/06 13:30

Acquisition information
Start time: 24-Aug-2006 11:37:27
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		1.1166E+00	3.2322E-01	3.2586E-01	0.181E+00
AM-241	#B	-1.1275E-01	-7.5406E-01	-7.5407E-01	0.118E+00
Bi-212		8.9699E-01	3.9154E-01	3.9294E-01	0.220E+00
BI-214	F	7.0377E-01	2.4258E-01	2.4398E-01	0.119E+00
CO-60	#B	1.5807E-02	3.7145E-02	3.7150E-02	0.306E-01
CS-137	#B	-2.8324E-02	-1.6191E-01	-1.6191E-01	0.479E-01
EU-152	F	3.3026E-01	1.2059E-01	1.2121E-01	0.954E-01
EU-154	F	2.0037E-01	1.4993E-01	1.5011E-01	0.601E-01
K-40		1.4761E+01	1.9352E+00	2.0111E+00	0.105E+01
Pa-234	F	1.5620E-01	1.5225E-01	1.5236E-01	0.116E+00
Pb-210	#B	-1.2692E+00	-3.0916E+00	-3.0919E+00	0.127E+01
Pb-212	F	7.2554E-01	1.4145E-01	1.4398E-01	0.100E+00
PB-214		7.6109E-01	1.9554E-01	1.9756E-01	0.965E-01
RA-226	#B	-4.9664E-02	-1.1659E+00	-1.1659E+00	0.952E+00
Th-230	#B	-9.7485E+00	-5.4011E+01	-5.4012E+01	0.113E+02
Th-234	F	1.9107E+00	7.6342E-01	7.6668E-01	0.102E+01
Tl-208		4.1565E-01	8.9828E-02	9.1140E-02	0.790E-01
U-235	#B	-8.7138E-01	-2.1898E+00	-2.1900E+00	0.114E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.9381128E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 12:52:10 Page 1
New World Technology Spectrum name: 1N003128.An1

Sample description
Parcel B 6PBOPA07-005-053-15 358g
8/23/06 13:40

Acquisition information
Start time: 24-Aug-2006 12:07:01
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		6.0633E-01	2.1629E-01	2.1745E-01	0.994E-01
AM-241	#A	9.8618E-02	1.6172E-01	1.6176E-01	0.101E+00
Bi-212	F	5.1203E-01	3.7512E-01	3.7560E-01	0.278E+00
BI-214	F	1.0737E+00	3.9091E-01	3.9293E-01	0.466E+00
CO-60	#A	-5.3042E-02	-1.7386E-01	-1.7387E-01	0.371E-01
CS-137		5.7636E-02	4.8015E-02	4.8063E-02	0.332E-01
EU-152	C	1.0026E-01	9.2583E-02	9.2657E-02	0.624E-01
EU-154	A	3.0478E-02	2.7260E-02	2.7283E-02	0.540E-01
K-40		8.3382E+00	1.4472E+00	1.4799E+00	0.820E+00
Pa-234	#B	-5.6363E-02	-4.1035E-01	-4.1036E-01	0.936E-01
Pb-210	#A	9.8331E-01	1.6113E+00	1.6117E+00	0.105E+01
Pb-212		7.0988E-01	1.3233E-01	1.3493E-01	0.747E-01
Pb-214		5.4587E-01	1.8157E-01	1.8269E-01	0.967E-01
RA-226	#B	-7.7685E-03	-1.0470E+00	-1.0470E+00	0.927E+00
Th-230	#	1.5905E+01	1.7010E+01	1.7020E+01	0.814E+01
Th-234	C	1.0215E+00	1.0279E+00	1.0286E+00	0.805E+00
Tl-208		3.0690E-01	7.5173E-02	7.6030E-02	0.736E-01
U-235	#B	6.4293E-03	1.1211E-02	1.1214E-02	0.585E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 2.8055710E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 23-AUG-2006 19:02:09 Page 1
New World Technology Spectrum name: 5N000886.An1

Sample description
Parcel B 6PBOPA07-005-053-16 375g
8/23/06 13:50

Acquisition information
Start time: 23-Aug-2006 18:16:59
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		3.6444E-01	2.4168E-01	2.4205E-01	0.179E+00
AM-241	#B	-1.2371E-01	-8.1687E-01	-8.1688E-01	0.101E+00
Bi-212	#F	9.6852E-01	4.1322E-01	4.1477E-01	0.173E+00
BI-214	F	3.9633E-01	1.7491E-01	1.7552E-01	0.110E+00
CO-60	#F	5.7353E-02	3.4498E-02	3.4564E-02	0.165E-01
CS-137	#B	-5.0548E-02	-7.6292E+00	-7.6292E+00	0.471E-01
EU-152	F	1.8481E-01	9.2406E-02	9.2658E-02	0.861E-01
EU-154	F	1.4078E-01	8.9394E-02	8.9545E-02	0.650E-01
K-40		1.2549E+01	1.7031E+00	1.7655E+00	0.990E+00
Pa-234	B	1.3551E-02	2.7421E-02	2.7425E-02	0.817E-01
Pb-210	#B	-2.8843E+00	-7.5307E+00	-7.5315E+00	0.123E+01
Pb-212	F	3.7417E-01	1.1482E-01	1.1565E-01	0.893E-01
PB-214		5.6496E-01	1.5913E-01	1.6050E-01	0.813E-01
RA-226	B	6.9637E-01	1.0591E+00	1.0594E+00	0.899E+00
Th-230	#B	-4.5813E+00	-2.5389E+01	-2.5389E+01	0.105E+02
Th-234		2.6141E+00	9.0707E-01	9.1221E-01	0.936E+00
Tl-208	F	2.7168E-01	7.2016E-02	7.2716E-02	0.765E-01
U-235	B	-7.5442E-01	-1.4004E+00	-1.4007E+00	0.111E+00

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---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.8160336E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 12:57:22 Page 1
New World Technology Spectrum name: 3N003760.An1

Sample description
Parcel B 6PBOPA07-005-053-17 369g
8/23/06 14:00

Acquisition information
Start time: 24-Aug-2006 12:12:17
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	#B	-1.8855E-02	-1.2922E-02	-1.2941E-02	0.210E+00
AM-241	#B	-5.9121E-03	-1.4962E-01	-1.4962E-01	0.102E+00
Bi-212	F	7.1453E-01	4.0820E-01	4.0906E-01	0.260E+00
BI-214	F	4.2732E-01	1.7804E-01	1.7874E-01	0.112E+00
CO-60	#B	-2.2607E-02	-1.0626E-01	-1.0626E-01	0.261E-01
Cs-137	#	8.6139E-02	5.3086E-02	5.3182E-02	0.375E-01
EU-152	#B	-4.5030E-03	1.8542E+02	1.8542E+02	0.800E-01
EU-154	B	4.3492E-02	5.5048E-02	5.5071E-02	0.460E-01
K-40		1.1471E+01	1.8085E+00	1.8578E+00	0.114E+01
PA-234	#B	3.8328E-02	1.1388E-01	1.1389E-01	0.107E+00
Pb-210	#B	-9.5575E-01	-2.8378E+00	-2.8380E+00	0.103E+01
PB-212		6.8168E-01	1.3763E-01	1.3993E-01	0.841E-01
PB-214		5.6078E-01	1.7199E-01	1.7325E-01	0.100E+00
RA-226		1.0188E+00	1.0677E+00	1.0684E+00	0.905E+00
Th-230	#B	-4.8049E+00	-3.2917E+01	-3.2918E+01	0.981E+01
TH-234		1.2391E+00	9.1543E-01	9.1657E-01	0.818E+00
Tl-208	F	1.2633E-01	4.5854E-02	4.6092E-02	0.123E+00
U-235	B	-4.7850E-03	-8.4603E-02	-8.4603E-02	0.606E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.6199684E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 13:06:51 Page 1
New World Technology Spectrum name: 6N000894.An1

Sample description
Parcel B 6PBOPA07-005-053-18 357g
8/23/06 14:10

Acquisition information
Start time: 24-Aug-2006 12:21:40
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	B	-1.7392E-01	-1.5754E-01	-1.5768E-01	0.245E+00
AM-241	#A	3.4629E-02	1.8146E-01	1.8146E-01	0.122E+00
Bi-212	F	4.4165E-01	2.6632E-01	2.6683E-01	0.439E+00
BI-214	F	3.7882E-01	1.8963E-01	1.9015E-01	0.124E+00
CO-60	#B	-7.7892E-02	-2.5109E-01	-2.5111E-01	0.480E-01
CS-137	#B	-4.9168E-02	-3.8662E-01	-3.8662E-01	0.518E-01
EU-152	#B	-2.9616E-02	2.3011E+02	2.3011E+02	0.993E-01
EU-154	F	8.6762E-02	9.1175E-02	9.1232E-02	0.743E-01
K-40	#	1.2534E+01	2.0862E+00	2.1375E+00	0.104E+01
Pa-234	F	1.9003E-01	1.6096E-01	1.6111E-01	0.118E+00
Pb-210		2.6847E+00	1.8431E+00	1.8458E+00	0.111E+01
Pb-212		7.0352E-01	1.3015E-01	1.3274E-01	0.886E-01
PB-214		3.0463E+00	1.1711E+00	1.1766E+00	0.859E+00
RA-226	B	9.1142E-01	1.1966E+00	1.1971E+00	0.103E+01
Th-230	#B	-1.1570E+01	-6.3075E+01	-6.3077E+01	0.993E+01
Th-234	B	7.2284E-02	1.7753E+00	1.7753E+00	0.121E+01
Tl-208	#F	2.8881E-01	1.0754E-01	1.0807E-01	0.552E-01
U-235	#B	-4.7146E-01	-1.0515E+00	-1.0516E+00	0.102E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 1.9826216E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 13:14:03 Page 1
New World Technology Spectrum name: 5N000906.An1

Sample description
Parcel B 6PBOPA07-005-053-19 353g
8/23/06 14:20

Acquisition information
Start time: 24-Aug-2006 12:28:54
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		8.1705E-01	2.9031E-01	2.9189E-01	0.182E+00
AM-241	#B	-1.2931E-01	-1.0503E+00	-1.0503E+00	0.131E+00
Bi-212	F	8.8461E-01	4.0671E-01	4.0803E-01	0.237E+00
BI-214	F	4.4043E-01	1.5189E-01	1.5276E-01	0.116E+00
CO-60	#B	5.9553E-03	1.8324E-02	1.8325E-02	0.175E-01
CS-137	#B	-8.8380E-03	-6.8481E-02	-6.8482E-02	0.468E-01
EU-152	F	4.3232E-01	2.3918E-01	2.3971E-01	0.101E+00
EU-154	B	1.3641E-02	2.9635E-02	2.9640E-02	0.747E-01
K-40		1.3174E+01	1.9097E+00	1.9712E+00	0.109E+01
Pa-234	B	1.0106E-01	1.1947E-01	1.1952E-01	0.109E+00
Pb-210	#B	-2.0162E+00	-3.1880E+00	-3.1889E+00	0.117E+01
Pb-212		6.5170E-01	1.4878E-01	1.5073E-01	0.104E+00
PB-214		7.5301E-01	1.8322E-01	1.8534E-01	0.906E-01
RA-226	#B	-1.9620E-01	-1.6965E+00	-1.6965E+00	0.110E+01
Th-230	#B	-1.4784E+01	-1.2596E+02	-1.2596E+02	0.979E+01
Th-234	F	1.8752E+00	7.8200E-01	7.8507E-01	0.106E+01
Tl-208		3.4660E-01	7.9902E-02	8.0928E-02	0.813E-01
U-235	#B	-8.9645E-01	-2.2283E+00	-2.2285E+00	0.117E+00

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A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.7067495E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 13:50:28 Page 1
New World Technology Spectrum name: 3N003761.An1

Sample description
Parcel B 6PBOPA07-005-053-20 340g
8/23/06 14:25

Acquisition information
Start time: 24-Aug-2006 13:05:23
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	4.9049E-01	2.3886E-01	2.3955E-01	0.194E+00
AM-241	#B	-6.0155E-02	2.5772E+02	2.5772E+02	0.111E+00
Bi-212	#B	1.3343E-01	1.8870E-01	1.8876E-01	0.300E+00
BI-214	F	3.3033E-01	1.9624E-01	1.9662E-01	0.129E+00
CO-60	#F	3.4025E-02	2.5768E-02	2.5799E-02	0.283E-01
Cs-137	#B	-2.0352E-02	-1.0342E-01	-1.0342E-01	0.538E-01
EU-152	F	2.9056E-01	1.6949E-01	1.6983E-01	0.660E-01
EU-154	B	2.1921E-02	7.7331E-02	7.7335E-02	0.642E-01
K-40	#	5.2146E+00	1.4601E+00	1.4728E+00	0.121E+01
PA-234	#B	-7.6521E-02	-4.8651E-01	-4.8651E-01	0.678E-01
Pb-210	A	8.3340E-01	1.5399E+00	1.5402E+00	0.114E+01
PB-212	F	6.6969E-01	1.2715E-01	1.2955E-01	0.799E-01
PB-214		4.7695E-01	1.8059E-01	1.8145E-01	0.117E+00
RA-226	A	3.4034E-01	1.0456E+00	1.0457E+00	0.932E+00
Th-230	#B	-1.1686E+01	2.3761E+04	2.3761E+04	0.103E+02
TH-234	A	7.6359E-01	7.2260E-01	7.2315E-01	0.848E+00
Tl-208	#B	3.4256E-02	1.7004E-02	1.7051E-02	0.127E+00
U-235	B	-1.2261E-02	-3.1987E-02	-3.1990E-02	0.659E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 7.1820316E+00 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 13:55:34 Page 1
New World Technology Spectrum name: 6N000895.An1

Sample description
Parcel B 6PBOPA07-005-053-21 350g
8/23/06 14:30

Acquisition information
Start time: 24-Aug-2006 13:10:23
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	2.3780E-01	2.3471E-01	2.3488E-01	0.235E+00
AM-241	#A	-4.8101E-02	-4.1739E-01	-4.1739E-01	0.121E+00
Bi-212	#B	-2.3242E-01	-1.0423E+00	-1.0423E+00	0.467E+00
BI-214	F	2.8649E-01	2.0091E-01	2.0119E-01	0.122E+00
CO-60	#B	-9.2109E-02	-4.1681E-01	-4.1682E-01	0.478E-01
CS-137	#B	-5.8176E-02	-6.6539E-01	-6.6540E-01	0.453E-01
EU-152	#F	1.7351E-01	1.7603E-01	1.7615E-01	0.745E-01
EU-154	#F	1.9634E-01	1.2690E-01	1.2711E-01	0.716E-01
K-40		1.4386E+01	1.8154E+00	1.8923E+00	0.918E+00
Pa-234	#B	1.1585E-01	2.8809E-01	2.8812E-01	0.159E+00
Pb-210	#	2.3364E+00	1.7077E+00	1.7099E+00	0.107E+01
Pb-212	F	3.5596E-01	1.1388E-01	1.1464E-01	0.877E-01
PB-214		2.4612E+00	1.2422E+00	1.2456E+00	0.942E+00
RA-226	B	6.1868E-01	1.2457E+00	1.2459E+00	0.109E+01
Th-230	B	4.8594E+00	2.3050E+01	2.3051E+01	0.136E+02
Th-234	#B	-4.3658E-01	-1.5400E+00	-1.5401E+00	0.105E+01
Tl-208	F	3.0192E-01	1.0236E-01	1.0297E-01	0.548E-01
U-235	#B	-5.1808E-01	-1.1607E+00	-1.1609E+00	0.100E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 2.0127419E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 13:51:24 Page 1
New World Technology Spectrum name: 1N003129.An1

Sample description
Parcel B 6PBOPA07-005-053-22 331g
8/23/06 14:40

Acquisition information
Start time: 24-Aug-2006 13:06:14
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		6.5066E-01	2.5835E-01	2.5947E-01	0.931E-01
AM-241	#A	6.7221E-02	1.3633E-01	1.3635E-01	0.930E-01
Bi-212	F	7.6130E-01	3.2161E-01	3.2285E-01	0.271E+00
BI-214	F	1.7898E+00	6.5068E-01	6.5406E-01	0.427E+00
CO-60	#A	-4.1347E-03	-3.7918E-02	-3.7918E-02	0.396E-01
CS-137		3.2496E-02	3.7066E-02	3.7085E-02	0.263E-01
EU-152	A	3.9035E-02	8.3407E-02	8.3419E-02	0.624E-01
EU-154	A	3.0334E-02	2.5472E-02	2.5496E-02	0.441E-01
K-40		7.4116E+00	1.4549E+00	1.4807E+00	0.887E+00
Pa-234	#B	-4.3396E-02	-2.3601E-01	-2.3601E-01	0.904E-01
Pb-210	#A	8.7015E-01	1.4463E+00	1.4467E+00	0.103E+01
Pb-212	F	4.3142E-01	1.1070E-01	1.1185E-01	0.721E-01
Pb-214		4.4271E-01	1.5700E-01	1.5785E-01	0.857E-01
RA-226	#B	-4.9714E-01	-2.0108E+00	-2.0109E+00	0.953E+00
Th-230	#A	5.2133E+00	1.2120E+01	1.2121E+01	0.686E+01
Th-234	B	-9.6002E-02	-8.0332E-01	-8.0333E-01	0.883E+00
Tl-208	#B	7.5197E-02	2.7026E-02	2.7169E-02	0.975E-01
U-235	#B	-1.3909E-02	-1.0053E-01	-1.0053E-01	0.564E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 1.0758713E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 14:04:10 Page 1
New World Technology Spectrum name: 5N000907.An1

Sample description
Parcel B 6PBOPA07-005-053-23 336g
8/23/06 14:50

Acquisition information
Start time: 24-Aug-2006 13:19:01
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	8.6826E-01	3.3186E-01	3.3341E-01	0.209E+00
AM-241	#B	-6.5415E-02	-3.2203E-01	-3.2203E-01	0.133E+00
Bi-212	#F	1.1141E+00	5.0521E-01	5.0689E-01	0.232E+00
BI-214	F	4.4357E-01	2.0054E-01	2.0122E-01	0.126E+00
CO-60	#B	4.9245E-03	1.3780E-02	1.3782E-02	0.204E-01
CS-137	B	2.3677E-02	5.2661E-02	5.2669E-02	0.467E-01
EU-152	B	-3.4489E-02	2.4923E+02	2.4923E+02	0.108E+00
EU-154	#B	-1.5659E-02	1.3295E+02	1.3295E+02	0.574E-01
K-40	#	1.7202E+01	2.0573E+00	2.1538E+00	0.110E+01
Pa-234	F	2.8912E-01	1.3782E-01	1.3824E-01	0.130E+00
Pb-210	#B	-3.7996E+00	-1.6529E+01	-1.6529E+01	0.136E+01
Pb-212	F	7.0505E-01	1.5002E-01	1.5228E-01	0.108E+00
PB-214		8.6221E-01	2.3324E-01	2.3542E-01	0.108E+00
RA-226		1.3662E+00	1.3092E+00	1.3102E+00	0.108E+01
Th-230	#B	-4.3868E+00	-2.9343E+01	-2.9343E+01	0.127E+02
Th-234	F	1.6795E+00	9.4576E-01	9.4780E-01	0.104E+01
Tl-208	F	3.5905E-01	8.7384E-02	8.8391E-02	0.854E-01
U-235	#B	-9.2025E-01	-1.7542E+00	-1.7545E+00	0.123E+00

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B - Activity < MDA and failed test.
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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 2.3209627E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 14:42:31 Page 1
New World Technology Spectrum name: 3N003762.An1

Sample description
Parcel B 6PBOPA07-005-053-24 343g
8/23/06 15:00

Acquisition information
Start time: 24-Aug-2006 13:54:33
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	-1.4833E-01	-1.3362E-01	-1.3373E-01	0.271E+00
AM-241	#B	-5.9628E-02	2.6449E+02	2.6449E+02	0.828E-01
Bi-212	F	5.3769E-01	4.9123E-01	4.9163E-01	0.358E+00
BI-214	F	3.5325E-01	2.3569E-01	2.3605E-01	0.135E+00
CO-60	#B	-1.6876E-02	-6.1770E-02	-6.1773E-02	0.269E-01
Cs-137	#B	-2.0635E-03	-6.8105E-02	-6.8105E-02	0.585E-01
EU-152	F	8.7983E-02	1.1731E-01	1.1736E-01	0.876E-01
EU-154	#B	3.1532E-03	8.3868E-03	8.3876E-03	0.613E-01
K-40		6.8298E+00	1.6691E+00	1.6882E+00	0.125E+01
PA-234	#B	-3.8294E-02	-3.9186E-01	-3.9186E-01	0.140E+00
Pb-210	#A	5.3183E-01	1.4439E+00	1.4440E+00	0.112E+01
PB-212	F	6.4973E-01	1.2398E-01	1.2630E-01	0.773E-01
PB-214	F	3.3864E-01	2.0957E-01	2.0995E-01	0.125E+00
RA-226	A	1.4327E-02	9.7405E-01	9.7405E-01	0.893E+00
Th-230	A	7.0430E+00	1.3526E+01	1.3528E+01	0.996E+01
TH-234	B	1.8700E-01	2.5891E-01	2.5901E-01	0.843E+00
Tl-208	B	4.0985E-02	1.7491E-02	1.7557E-02	0.111E+00
U-235	#B	-3.9666E-02	-3.5211E-01	-3.5212E-01	0.561E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 8.7090569E+00 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 14:42:27 Page 1
New World Technology Spectrum name: 1N003130.An1

Sample description
Parcel B 6PBOPA07-005-053-25 333g
8/23/06 15:10

Acquisition information
Start time: 24-Aug-2006 13:57:17
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		7.5205E-01	2.1899E-01	2.2076E-01	0.967E-01
AM-241	#A	-5.9317E-02	-5.6354E-01	-5.6354E-01	0.459E-01
Bi-212	#B	2.6505E-01	1.9991E-01	2.0015E-01	0.396E+00
BI-214	F	5.3369E-01	1.9264E-01	1.9365E-01	0.370E+00
CO-60	#A	-5.0346E-02	-3.6660E-01	-3.6661E-01	0.411E-01
CS-137	A	2.3864E-02	5.8699E-02	5.8705E-02	0.468E-01
EU-152	C	1.4846E-01	1.4551E-01	1.4562E-01	0.664E-01
EU-154	#A	-9.7144E-03	-2.1722E-02	-2.1725E-02	0.607E-01
K-40		6.3883E+00	1.3747E+00	1.3950E+00	0.882E+00
Pa-234	#F	1.6895E-01	1.6694E-01	1.6705E-01	0.111E+00
Pb-210		1.5697E+00	1.3934E+00	1.3946E+00	0.985E+00
Pb-212		7.7847E-01	1.3505E-01	1.3811E-01	0.796E-01
Pb-214		6.0612E-01	1.7040E-01	1.7187E-01	0.934E-01
RA-226	A	5.0857E-01	1.1478E+00	1.1480E+00	0.997E+00
Th-230	#B	6.6110E+00	1.3805E+01	1.3807E+01	0.943E+01
Th-234	A	5.4824E-01	9.4742E-01	9.4764E-01	0.790E+00
Tl-208	#	2.9387E-01	8.1422E-02	8.2149E-02	0.791E-01
U-235	A	2.0307E-02	6.5237E-02	6.5241E-02	0.560E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 1.0557407E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 23-AUG-2006 19:23:30 Page 1
New World Technology Spectrum name: 1N003108.An1

Sample description
Parcel B 6PBOPA07-005-053-26 346g
8/23/06 15:20

Acquisition information
Start time: 23-Aug-2006 18:36:29
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		7.8302E-01	1.7868E-01	1.8103E-01	0.854E-01
AM-241	#A	1.3780E-02	1.1874E-01	1.1874E-01	0.884E-01
Bi-212		1.1270E+00	5.2780E-01	5.2945E-01	0.322E+00
BI-214	F	1.5544E+00	7.1892E-01	7.2123E-01	0.488E+00
CO-60	#A	-5.1915E-02	-2.5710E-01	-2.5711E-01	0.391E-01
CS-137	A	2.8374E-02	3.8704E-02	3.8718E-02	0.287E-01
EU-152	#A	3.1832E-02	4.6744E-02	4.6759E-02	0.687E-01
EU-154	A	2.9770E-02	7.0380E-02	7.0389E-02	0.581E-01
K-40		6.1483E+00	1.3230E+00	1.3426E+00	0.849E+00
Pa-234	#B	-6.9685E-02	-4.8597E-01	-4.8598E-01	0.862E-01
Pb-210	#A	8.8176E-01	1.2162E+00	1.2166E+00	0.927E+00
Pb-212		9.1750E-01	1.4034E-01	1.4441E-01	0.756E-01
Pb-214		5.6890E-01	1.6945E-01	1.7076E-01	0.102E+00
RA-226		1.0888E+00	1.1351E+00	1.1358E+00	0.954E+00
Th-230	#B	-2.7659E+00	-9.1131E+01	-9.1131E+01	0.499E+01
Th-234	F	8.3325E-01	5.5229E-01	5.5315E-01	0.796E+00
Tl-208		2.9883E-01	7.7348E-02	7.8139E-02	0.762E-01
U-235	C	1.0828E-01	9.1744E-02	9.1832E-02	0.632E-01

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---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 1.2486651E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 14:51:06 Page 1
New World Technology Spectrum name: 6N000896.An1

Sample description
Parcel B 6PBOPA07-005-053-27 357g
8/23/06 15:30

Acquisition information
Start time: 24-Aug-2006 14:05:55
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	8.2478E-01	2.7150E-01	2.7323E-01	0.231E+00
AM-241	#A	-8.5153E-02	-7.8522E-01	-7.8522E-01	0.576E-01
Bi-212	#B	1.2595E-01	8.3963E-02	8.4094E-02	0.440E+00
BI-214	F	4.9375E-01	2.5833E-01	2.5898E-01	0.135E+00
CO-60	#B	-9.3727E-02	-3.0929E-01	-3.0931E-01	0.467E-01
CS-137	#B	-1.8245E-02	-9.6374E-02	-9.6376E-02	0.511E-01
EU-152	F	1.0838E-01	1.6740E-01	1.6745E-01	0.982E-01
EU-154	#F	1.0768E-01	8.9918E-02	9.0007E-02	0.654E-01
K-40	#	1.8401E+01	2.0651E+00	2.1751E+00	0.936E+00
Pa-234	#B	-8.3881E-02	2.6737E+02	2.6737E+02	0.942E-01
Pb-210		2.5604E+00	1.1344E+00	1.1384E+00	0.864E+00
Pb-212	F	6.8874E-01	1.3228E-01	1.3473E-01	0.914E-01
PB-214		2.7135E+00	1.4393E+00	1.4429E+00	0.922E+00
RA-226	B	8.8707E-01	1.3304E+00	1.3308E+00	0.114E+01
Th-230	#B	-1.5799E+00	-2.0515E+01	-2.0515E+01	0.116E+02
Th-234	F	1.4494E+00	1.5822E+00	1.5831E+00	0.109E+01
Tl-208	F	2.3716E-01	9.8478E-02	9.8871E-02	0.566E-01
U-235	#B	-4.9879E-01	-1.0846E+00	-1.0847E+00	0.102E+00

- All peaks for activity calculation had bad shape.
* - Activity omitted from total
& - Activity omitted from total and all peaks had bad shape.
< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 2.5919472E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 14:59:34 Page 1
New World Technology Spectrum name: 5N000908.An1

Sample description
Parcel B 6PBOPA07-005-053-28 323g
8/23/06 15:40

Acquisition information
Start time: 24-Aug-2006 14:14:25
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
AC-228	#	3.5122E-01	2.4958E-01	2.4992E-01	0.195E+00
AM-241	#B	-1.1863E-01	-5.3140E-01	-5.3142E-01	0.112E+00
Bi-212	#F	1.1695E+00	4.9101E-01	4.9292E-01	0.204E+00
BI-214	F	3.5885E-01	1.9536E-01	1.9581E-01	0.122E+00
CO-60	#F	2.8727E-02	1.7124E-02	1.7157E-02	0.205E-01
CS-137	#B	-2.1548E-02	-1.1289E-01	-1.1289E-01	0.514E-01
EU-152	#B	-3.5877E-02	2.2724E+02	2.2724E+02	0.981E-01
EU-154	F	1.0237E-01	7.7383E-02	7.7475E-02	0.606E-01
K-40		7.5150E+00	1.6711E+00	1.6942E+00	0.118E+01
Pa-234	B	5.4604E-02	8.4834E-02	8.4858E-02	0.905E-01
Pb-210	#B	-1.2263E+00	-2.5812E+00	-2.5816E+00	0.125E+01
Pb-212		4.8277E-01	1.3979E-01	1.4093E-01	0.103E+00
PB-214	F	5.0441E-01	1.4161E-01	1.4284E-01	0.897E-01
RA-226	B	3.3135E-02	1.2121E+00	1.2121E+00	0.107E+01
Th-230	#B	-1.1827E+01	-5.8783E+01	-5.8784E+01	0.112E+02
Th-234	F	1.2453E+00	5.9399E-01	5.9577E-01	0.105E+01
Tl-208		3.0587E-01	6.3850E-02	6.4849E-02	0.888E-01
U-235	#B	-1.0467E+00	2.8819E+02	2.8819E+02	0.124E+00

- All peaks for activity calculation had bad shape.
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< - MDA value printed.
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B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.0687647E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 15:36:13 Page 1
New World Technology Spectrum name: 3N003763.An1

Sample description
Parcel B 6PBOPA07-005-053-29 361g
8/23/06 15:50

Acquisition information
Start time: 24-Aug-2006 14:46:30
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	2.8211E-01	2.0550E-01	2.0577E-01	0.253E+00
AM-241	#B	-5.0360E-02	-7.3741E-01	-7.3741E-01	0.543E-01
Bi-212	F	9.0339E-01	4.6314E-01	4.6435E-01	0.293E+00
BI-214	F	5.9724E-01	2.2870E-01	2.2977E-01	0.130E+00
CO-60	#F	4.9989E-02	3.7727E-02	3.7773E-02	0.255E-01
Cs-137		5.7074E-02	5.2584E-02	5.2626E-02	0.439E-01
EU-152	B	2.2272E-02	6.8430E-02	6.8435E-02	0.747E-01
EU-154	#B	3.4622E-02	4.4293E-02	4.4312E-02	0.685E-01
K-40		1.5911E+01	2.0608E+00	2.1436E+00	0.117E+01
PA-234	F	3.1552E-01	2.1377E-01	2.1409E-01	0.122E+00
Pb-210	A	6.6916E-02	1.1780E+00	1.1780E+00	0.107E+01
PB-212		7.0266E-01	1.2396E-01	1.2666E-01	0.752E-01
PB-214	F	6.2236E-01	1.8905E-01	1.9045E-01	0.134E+00
RA-226	A	2.7267E-01	1.2126E+00	1.2127E+00	0.106E+01
Th-230	#B	8.6392E+00	1.9059E+01	1.9062E+01	0.124E+02
TH-234	B	8.7620E-01	1.4280E+00	1.4284E+00	0.975E+00
Tl-208	#B	-2.1665E-01	3.9123E+02	3.9123E+02	0.126E+00
U-235	B	3.6468E-02	6.6471E-02	6.6485E-02	0.556E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.9159554E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 15:33:26 Page 1
New World Technology Spectrum name: 1N003131.An1

Sample description
Parcel B 6PBOPA07-005-053-30 411g
8/23/06 16:00

Acquisition information
Start time: 24-Aug-2006 14:48:15
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		4.8581E-01	1.6965E-01	1.7061E-01	0.820E-01
AM-241	#A	5.1927E-02	1.2494E-01	1.2496E-01	0.892E-01
Bi-212	#B	-9.8772E-02	-1.8625E-01	-1.8628E-01	0.256E+00
BI-214	F	5.9117E-01	1.8313E-01	1.8444E-01	0.468E+00
CO-60	#A	5.9099E-03	2.5343E-02	2.5344E-02	0.319E-01
CS-137	#A	-7.0770E-03	8.7686E+01	8.7686E+01	0.282E-01
EU-152	C	7.8179E-02	6.8695E-02	6.8756E-02	0.549E-01
EU-154	A	1.0552E-02	2.3595E-02	2.3598E-02	0.472E-01
K-40		1.0853E+01	1.4793E+00	1.5331E+00	0.715E+00
Pa-234	#B	5.6584E-02	1.2136E-01	1.2138E-01	0.901E-01
Pb-210	A	6.5925E-01	1.1598E+00	1.1601E+00	0.837E+00
Pb-212		3.0179E-01	9.9241E-02	9.9871E-02	0.639E-01
Pb-214	F	4.1096E-01	1.2790E-01	1.2880E-01	0.714E-01
RA-226	#B	-2.0279E-01	-1.1568E+00	-1.1568E+00	0.762E+00
Th-230	#	1.5520E+01	1.3286E+01	1.3298E+01	0.714E+01
Th-234	A	6.3573E-01	8.0965E-01	8.0999E-01	0.738E+00
Tl-208	B	5.8490E-02	1.8710E-02	1.8835E-02	0.767E-01
U-235	#B	-3.0008E-03	-5.0014E-03	-5.0026E-03	0.427E-01

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B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 2.7571346E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 15:40:07 Page 1
New World Technology Spectrum name: 6N000897.An1

Sample description
Parcel B 6PBOPA07-005-053-31 378g
8/23/06 16:10

Acquisition information
Start time: 24-Aug-2006 14:54:56
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	7.7858E-01	2.2737E-01	2.2920E-01	0.207E+00
AM-241	#A	-5.0117E-02	-4.2874E-01	-4.2875E-01	0.105E+00
Bi-212	B	1.8008E-01	3.8566E-01	3.8572E-01	0.357E+00
BI-214	B	1.0710E-01	4.4547E-02	4.4724E-02	0.157E+00
CO-60	#B	-8.7307E-02	1.2708E+02	1.2708E+02	0.448E-01
CS-137	#B	-2.3015E-02	-1.0308E-01	-1.0309E-01	0.457E-01
EU-152	B	6.3340E-02	1.0462E-01	1.0465E-01	0.736E-01
EU-154	#B	-4.0068E-02	1.5420E+02	1.5420E+02	0.543E-01
K-40	#	1.6203E+01	2.0181E+00	2.1058E+00	0.938E+00
Pa-234	B	5.7114E-02	1.2748E-01	1.2750E-01	0.102E+00
Pb-210		2.7048E+00	1.6196E+00	1.6227E+00	0.101E+01
Pb-212	F	6.0766E-01	1.1872E-01	1.2084E-01	0.819E-01
PB-214		1.8413E+00	1.1295E+00	1.1316E+00	0.869E+00
RA-226	B	2.3823E-01	1.1897E+00	1.1897E+00	0.105E+01
Th-230	#B	-9.7793E+00	-3.9240E+01	-3.9242E+01	0.845E+01
Th-234	#B	-2.0700E-01	-1.2969E+00	-1.2969E+00	0.100E+01
Tl-208	F	1.6704E-01	1.0180E-01	1.0199E-01	0.561E-01
U-235	B	-4.7765E-01	-9.3292E-01	-9.3309E-01	0.888E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 2.2302193E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 15:48:40 Page 1
New World Technology Spectrum name: 5N000909.An1

Sample description
Parcel B 6PBOPA07-005-053-32 368g
8/23/06 16:20

Acquisition information
Start time: 24-Aug-2006 15:03:31
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	6.4629E-01	2.6900E-01	2.7006E-01	0.175E+00
AM-241	#B	-1.5883E-01	-8.4568E+00	-8.4568E+00	0.127E+00
Bi-212	F	4.6971E-01	3.6213E-01	3.6255E-01	0.247E+00
BI-214	F	4.3231E-01	1.9004E-01	1.9072E-01	0.115E+00
CO-60	#F	3.2131E-02	3.1939E-02	3.1961E-02	0.186E-01
CS-137	#B	-4.6505E-02	-5.9994E-01	-5.9994E-01	0.400E-01
EU-152	F	1.3518E-01	1.1069E-01	1.1080E-01	0.729E-01
EU-154	F	1.3048E-01	7.7684E-02	7.7834E-02	0.625E-01
K-40		8.3208E+00	1.4906E+00	1.5221E+00	0.101E+01
Pa-234	F	1.4618E-01	1.4544E-01	1.4554E-01	0.982E-01
Pb-210	B	1.0596E-01	1.5465E+00	1.5465E+00	0.115E+01
Pb-212	F	4.8336E-01	1.2540E-01	1.2668E-01	0.940E-01
PB-214	F	5.2592E-01	1.3358E-01	1.3500E-01	0.698E-01
RA-226	B	6.6745E-01	1.1592E+00	1.1595E+00	0.982E+00
Th-230	#B	-1.3263E+01	-8.7498E+01	-8.7500E+01	0.934E+01
Th-234	F	1.4850E+00	7.9941E-01	8.0130E-01	0.980E+00
Tl-208	F	3.3242E-01	7.2956E-02	7.3989E-02	0.780E-01
U-235	#B	-8.7213E-01	-2.6941E+00	-2.6943E+00	0.112E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.1210817E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 24-AUG-2006 16:26:09 Page 1
New World Technology Spectrum name: 3N003764.An1

Sample description
Parcel B 6PBOPA07-005-053-33 369g
8/23/06 16:30

Acquisition information
Start time: 24-Aug-2006 15:41:04
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	6.4030E-02	4.4956E-02	4.5019E-02	0.229E+00
AM-241	#A	3.2846E-02	1.2731E-01	1.2731E-01	0.941E-01
Bi-212	#B	1.3089E-01	2.3060E-01	2.3065E-01	0.174E+00
BI-214	#F	4.1912E-01	1.8062E-01	1.8128E-01	0.118E+00
CO-60	#B	-2.3530E-02	-1.1827E-01	-1.1827E-01	0.266E-01
Cs-137	#	6.3710E-02	7.5269E-02	7.5306E-02	0.469E-01
EU-152	F	9.4871E-02	1.1963E-01	1.1968E-01	0.676E-01
EU-154	#B	-2.8127E-02	1.4843E+02	1.4843E+02	0.640E-01
K-40		1.1875E+01	1.7655E+00	1.8195E+00	0.112E+01
PA-234	F	1.3108E-01	1.7505E-01	1.7512E-01	0.123E+00
Pb-210	#A	1.7467E-01	1.2407E+00	1.2407E+00	0.101E+01
PB-212		4.4989E-01	1.0905E-01	1.1032E-01	0.696E-01
PB-214	F	3.4708E-01	1.3936E-01	1.3996E-01	0.108E+00
RA-226	#B	-6.1829E-01	-2.0504E+00	-2.0505E+00	0.846E+00
Th-230	#B	-4.3487E+00	-6.6745E+00	-6.6764E+00	0.550E+01
TH-234		1.2613E+00	9.3160E-01	9.3277E-01	0.742E+00
Tl-208	B	8.0850E-02	3.4119E-02	3.4250E-02	0.117E+00
U-235	#B	8.3177E-03	9.2306E-03	9.2358E-03	0.495E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.4546813E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 16:29:09 Page 1
New World Technology Spectrum name: 6N000898.An1

Sample description
Parcel B 6PBOPA07-005-053-34 375g
8/23/06 16:40

Acquisition information
Start time: 24-Aug-2006 15:43:58
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	B	1.1760E-01	4.1246E-02	4.1477E-02	0.257E+00
AM-241	#A	-9.1306E-02	-2.5054E+00	-2.5054E+00	0.536E-01
Bi-212	#B	-1.1408E-01	-5.0764E-01	-5.0766E-01	0.321E+00
BI-214	F	2.8670E-01	1.7601E-01	1.7633E-01	0.123E+00
CO-60	#B	-8.6376E-02	-3.7885E-01	-3.7887E-01	0.447E-01
CS-137	#B	-2.0873E-02	-1.0372E-01	-1.0372E-01	0.488E-01
EU-152	B	3.1213E-02	9.3890E-02	9.3897E-02	0.772E-01
EU-154	#F	9.6702E-02	8.6165E-02	8.6240E-02	0.641E-01
K-40		1.4567E+01	1.9912E+00	2.0633E+00	0.964E+00
Pa-234	#B	1.2317E-02	1.3513E-01	1.3513E-01	0.900E-01
Pb-210		3.4770E+00	1.6414E+00	1.6465E+00	0.981E+00
Pb-212	F	3.1088E-01	1.0157E-01	1.0222E-01	0.787E-01
PB-214		2.4565E+00	1.0546E+00	1.0585E+00	0.779E+00
RA-226	B	9.4420E-01	1.1704E+00	1.1709E+00	0.100E+01
Th-230	#B	-1.4069E+01	-1.2586E+02	-1.2586E+02	0.810E+01
Th-234	F	1.0396E+00	1.3798E+00	1.3803E+00	0.993E+00
Tl-208	F	1.4582E-01	6.8833E-02	6.9046E-02	0.469E-01
U-235	#B	-5.1205E-01	-1.8611E+00	-1.8612E+00	0.950E-01

- All peaks for activity calculation had bad shape.
* - Activity omitted from total
& - Activity omitted from total and all peaks had bad shape.
< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.1 to 2611.7 keV) 2.1243464E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 24-AUG-2006 16:28:55 Page 1
New World Technology Spectrum name: 1N003132.An1

Sample description
Parcel B 6PBOPA07-005-053-35 372g
8/23/06 16:50

Acquisition information
Start time: 24-Aug-2006 15:43:46
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		8.3497E-01	2.4851E-01	2.5043E-01	0.989E-01
AM-241	#	1.0864E-01	1.3661E-01	1.3667E-01	0.914E-01
Bi-212		8.0012E-01	4.2460E-01	4.2564E-01	0.291E+00
BI-214	F	2.0257E+00	1.1926E+00	1.1949E+00	0.673E+00
CO-60	#A	-4.9667E-02	9.3050E+01	9.3050E+01	0.352E-01
CS-137	#A	-7.8189E-03	7.9395E+01	7.9395E+01	0.271E-01
EU-152	C	1.5416E-01	1.2098E-01	1.2111E-01	0.605E-01
EU-154	C	6.6699E-02	5.4242E-02	5.4298E-02	0.532E-01
K-40		1.5541E+01	1.8238E+00	1.9128E+00	0.790E+00
Pa-234	#F	1.9541E-01	1.4370E-01	1.4389E-01	0.112E+00
Pb-210	#	1.0037E+00	1.2819E+00	1.2824E+00	0.945E+00
Pb-212		7.8266E-01	1.2927E-01	1.3249E-01	0.754E-01
Pb-214		5.6575E-01	1.6925E-01	1.7054E-01	0.931E-01
RA-226		9.3143E-01	1.0816E+00	1.0821E+00	0.912E+00
Th-230	#A	7.6893E+00	1.3230E+01	1.3233E+01	0.775E+01
Th-234	#C	1.1846E+00	1.0451E+00	1.0460E+00	0.844E+00
Tl-208		2.9022E-01	7.2631E-02	7.3425E-02	0.708E-01
U-235	C	1.0553E-01	9.7403E-02	9.7481E-02	0.563E-01

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A - Activity printed, but activity < MDA.
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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.3 keV) 2.2884655E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 23-AUG-2006 19:27:35 Page 1
New World Technology Spectrum name: 3N003740.An1

Sample description
Parcel B 6PBOPA07-005-053-36 370g
8/23/06 17:00

Acquisition information
Start time: 23-Aug-2006 18:42:30
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		7.7420E-01	2.6862E-01	2.7015E-01	0.191E+00
AM-241	#B	-3.6510E-02	-3.6341E-01	-3.6342E-01	0.723E-01
Bi-212		8.5321E-01	4.3229E-01	4.3345E-01	0.268E+00
BI-214	F	6.0880E-01	2.0934E-01	2.1056E-01	0.124E+00
CO-60	#B	-2.1166E-02	-1.5177E-01	-1.5177E-01	0.275E-01
Cs-137	#B	-3.8344E-02	-1.9299E-01	-1.9299E-01	0.471E-01
EU-152	F	1.4949E-01	1.9572E-01	1.9580E-01	0.776E-01
EU-154	B	3.3476E-02	3.9228E-02	3.9247E-02	0.559E-01
K-40		1.8559E+01	2.1267E+00	2.2352E+00	0.114E+01
PA-234	#F	1.4280E-01	2.0463E-01	2.0470E-01	0.125E+00
Pb-210	A	6.7379E-01	1.4739E+00	1.4741E+00	0.111E+01
PB-212		6.9981E-01	1.2433E-01	1.2701E-01	0.770E-01
PB-214	F	6.2251E-01	1.7514E-01	1.7665E-01	0.111E+00
RA-226	A	3.8225E-01	1.0684E+00	1.0685E+00	0.936E+00
Th-230	#B	-1.0748E+00	-5.7934E+00	-5.7935E+00	0.987E+01
TH-234	#B	4.4781E-01	5.1950E-01	5.1976E-01	0.807E+00
Tl-208	#A	1.1657E-01	5.6090E-02	5.6256E-02	0.123E+00
U-235	#B	-1.0049E-02	-1.0500E-01	-1.0500E-01	0.614E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 2.2117451E+01 picoCi/g

Laboratory: New World Technology

OVERBURDEN UNIT 60

GAMMA SPECTROSCOPY REPORTS

ORTEC g v - i (3263) wan32 G53W2.06 29-AUG-2006 19:52:44 Page 1
New World Technology Spectrum name: 5N001004.An1

Sample description
Parcel B 6PBOPA16-004-060-01 309g
8/29/06 14:00

Acquisition information
Start time: 29-Aug-2006 19:07:35
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		2.8126E-01	2.4520E-01	2.4542E-01	0.203E+00
AM-241	#B	-5.1556E-02	-3.6654E-01	-3.6655E-01	0.148E+00
Bi-212	B	8.6895E-03	3.4172E-01	3.4172E-01	0.285E+00
BI-214	F	3.1799E-01	1.9303E-01	1.9339E-01	0.126E+00
CO-60	#B	4.7100E-03	3.7418E-02	3.7418E-02	0.301E-01
CS-137	#B	-4.2043E-02	-1.7676E-01	-1.7677E-01	0.424E-01
EU-152	#F	2.3130E-01	9.1203E-02	9.1603E-02	0.818E-01
EU-154	F	6.2979E-02	6.1841E-02	6.1885E-02	0.572E-01
K-40		6.8548E+00	1.5836E+00	1.6038E+00	0.120E+01
Pa-234	F	1.2760E-01	1.5100E-01	1.5107E-01	0.115E+00
Pb-210	#B	-3.1149E+00	-6.7741E+00	-6.7751E+00	0.132E+01
Pb-212	F	2.1455E-01	1.4280E-01	1.4302E-01	0.112E+00
PB-214	F	4.5663E-01	2.3695E-01	2.3755E-01	0.116E+00
RA-226	B	4.6741E-02	1.2395E+00	1.2395E+00	0.109E+01
Th-230	#B	-1.3760E+01	-5.3548E+01	-5.3551E+01	0.969E+01
Th-234	B	9.3790E-01	7.4941E-01	7.5021E-01	0.103E+01
Tl-208	F	2.6251E-01	7.3371E-02	7.4013E-02	0.928E-01
U-235	#B	-1.0381E+00	-2.8520E+00	-2.8523E+00	0.130E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 8.3877316E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 30-AUG-2006 23:45:53 Page 1
New World Technology Spectrum name: 5N001028.An1

Sample description
Parcel B 6PBOPA16-004-060-02 317g
8/29/06 14:10

Acquisition information
Start time: 30-Aug-2006 17:11:29
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		3.3171E-01	2.0431E-01	2.0468E-01	0.182E+00
AM-241	#B	-7.9193E-02	-3.3244E-01	-3.3246E-01	0.116E+00
Bi-212	#F	6.5398E-01	4.6938E-01	4.7001E-01	0.242E+00
BI-214	F	4.9431E-01	2.3782E-01	2.3852E-01	0.137E+00
CO-60	#B	-1.1733E-02	-5.9491E-02	-5.9492E-02	0.216E-01
CS-137	#B	-4.1957E-02	-1.7917E-01	-1.7918E-01	0.408E-01
EU-152	F	1.6184E-01	1.2840E-01	1.2854E-01	0.905E-01
EU-154	B	-1.6597E-02	1.7724E+02	1.7724E+02	0.765E-01
K-40		9.9584E+00	1.8428E+00	1.8794E+00	0.120E+01
Pa-234	F	1.2866E-01	1.6082E-01	1.6089E-01	0.118E+00
Pb-210	#B	-2.0444E+00	-3.2466E+00	-3.2475E+00	0.131E+01
Pb-212	F	4.5033E-01	1.3155E-01	1.3260E-01	0.102E+00
PB-214		4.5668E-01	1.7863E-01	1.7943E-01	0.103E+00
RA-226	B	8.6061E-01	1.3130E+00	1.3134E+00	0.111E+01
Th-230	#B	-1.9630E+01	2.5734E+04	2.5734E+04	0.974E+01
Th-234		2.4049E+00	1.2739E+00	1.2770E+00	0.119E+01
Tl-208		2.6241E-01	7.6271E-02	7.6889E-02	0.905E-01
U-235	#B	-1.0012E+00	-2.4551E+00	-2.4553E+00	0.128E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.5012682E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 30-AUG-2006 17:59:22 Page 1
New World Technology Spectrum name: 4N000662.An1

Sample description
Parcel B 6PBOPA16-004-060-03 307g
8/29/06 14:20

Acquisition information
Start time: 30-Aug-2006 17:14:12
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	5.9614E-01	2.7714E-01	2.7802E-01	0.121E+00
AM-241	A	6.0871E-02	1.8293E-01	1.8294E-01	0.152E+00
Bi-212	B	1.3409E-01	4.9256E-01	4.9259E-01	0.456E+00
BI-214		7.9618E-01	2.1332E-01	2.1536E-01	0.745E-01
CO-60	#B	0.0000E+00	3.4383E+01	3.4383E+01	0.121E-01
CS-137	B	7.9458E-03	4.4493E-02	4.4494E-02	0.412E-01
EU-152	B	9.5656E-02	1.0318E-01	1.0324E-01	0.145E+00
EU-154	#B	5.0802E-02	1.0670E-01	1.0671E-01	0.940E-01
K-40	#	8.8262E+00	1.7683E+00	1.7984E+00	0.133E+01
Pa-234	#F	5.1817E-01	3.1950E-01	3.2007E-01	0.153E+00
Pb-210	#	4.0147E+00	2.6077E+00	2.6120E+00	0.116E+01
Pb-212	F	3.2064E-01	1.5015E-01	1.5063E-01	0.118E+00
PB-214	F	7.2447E-01	2.9933E-01	3.0053E-01	0.118E+00
RA-226	#B	-2.8213E-02	-1.7145E+00	-1.7145E+00	0.146E+01
Th-230	B	9.7732E+00	1.4252E+01	1.4257E+01	0.114E+02
Th-234	#F	2.7185E+00	1.5933E+00	1.5964E+00	0.137E+01
Tl-208	B	-4.9504E-02	1.7145E+02	1.7145E+02	0.604E-01
U-235	F	3.3750E-01	1.9765E-01	1.9805E-01	0.833E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2662.5 keV) 1.5796514E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 30-AUG-2006 18:19:14 Page 1
New World Technology Spectrum name: 1N003240.An1

Sample description
Parcel B 6PBOPA16-004-060-04 371g
8/29/06 14:30

Acquisition information
Start time: 30-Aug-2006 17:02:06
Live time: 2700
Real time: 2707

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		5.6426E-01	1.8263E-01	1.8382E-01	0.856E-01
AM-241	#A	-8.4806E-02	-9.8070E-01	-9.8071E-01	0.749E-01
Bi-212	#F	7.7542E-01	3.9651E-01	3.9756E-01	0.141E+00
BI-214	F	2.1575E+00	1.1100E+00	1.1129E+00	0.549E+00
CO-60	#C	2.5134E-02	2.5254E-02	2.5272E-02	0.111E-01
CS-137		3.5726E-02	3.4290E-02	3.4315E-02	0.239E-01
EU-152	C	8.9578E-02	1.2528E-01	1.2532E-01	0.619E-01
EU-154	A	1.2672E-02	5.8995E-02	5.8997E-02	0.480E-01
K-40		8.5581E+00	1.5140E+00	1.5470E+00	0.753E+00
Pa-234	#B	6.8411E-02	5.4831E-02	5.4889E-02	0.731E-01
Pb-210	A	7.1462E-02	9.2576E-01	9.2576E-01	0.837E+00
Pb-212		4.0086E-01	1.0082E-01	1.0191E-01	0.696E-01
Pb-214		4.9826E-01	1.4078E-01	1.4199E-01	0.104E+00
RA-226	#B	-5.8810E-03	-9.0748E-01	-9.0748E-01	0.811E+00
Th-230	A	8.5526E+00	1.4002E+01	1.4006E+01	0.860E+01
Th-234	#B	-2.3664E-01	-1.3223E+00	-1.3223E+00	0.736E+00
Tl-208	#	3.8010E-01	1.2845E-01	1.2922E-01	0.237E-01
U-235	A	3.7464E-02	6.9175E-02	6.9189E-02	0.397E-01

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C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.3370200E+01 picoCi/ g
Supervisor

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 30-AUG-2006 18:18:27 Page 1
New World Technology Spectrum name: 3N003875.An1

Sample description
Parcel B 6PBOPA16-004-060-05 393g
8/29/06 14:40

Acquisition information
Start time: 30-Aug-2006 17:10:21
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide	Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	6.7135E-01	2.7646E-01	2.7758E-01	0.171E+00
AM-241 #B	-4.8968E-02	-3.8177E+00	-3.8177E+00	0.100E+00
Bi-212	1.3703E+00	4.2691E-01	4.2992E-01	0.135E+00
BI-214 F	3.3478E-01	1.3956E-01	1.4011E-01	0.105E+00
CO-60 #B	1.5595E-02	2.5992E-02	2.5998E-02	0.235E-01
Cs-137 A	1.4948E-02	4.9665E-02	4.9669E-02	0.450E-01
EU-152 F	2.5385E-01	1.8832E-01	1.8856E-01	0.796E-01
EU-154 B	3.0892E-02	5.6321E-02	5.6332E-02	0.634E-01
K-40	1.8266E+01	1.7805E+00	1.9049E+00	0.101E+00
PA-234 #B	-7.1796E-02	-8.7357E-01	-8.7357E-01	0.655E-01
Pb-210 #B	-9.4380E-01	-2.9590E+00	-2.9592E+00	0.995E+00
PB-212	5.6465E-01	1.1383E-01	1.1573E-01	0.734E-01
PB-214	4.8958E-01	1.4527E-01	1.4640E-01	0.103E+00
RA-226 A	2.4795E-01	9.9103E-01	9.9107E-01	0.875E+00
Th-230 #B	-6.3051E+00	-3.5872E+01	-3.5873E+01	0.768E+01
TH-234 A	5.1266E-01	9.1009E-01	9.1029E-01	0.834E+00
Tl-208 #B	5.3947E-03	3.2029E-03	3.2092E-03	0.102E+00
U-235 #B	-1.8708E-02	-1.3080E-01	-1.3080E-01	0.521E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 2.1696859E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 00:06:14 Page 1
New World Technology Spectrum name: 4N000666.An1

Sample description
Parcel B 6PBOPA16-004-060-06 324g
8/29/06 14:50

Acquisition information
Start time: 30-Aug-2006 23:20:53
Live time: 2700
Real time: 2714

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#F	1.2366E+00	2.5478E-01	2.5888E-01	0.357E-01
AM-241	A	9.3797E-02	1.6941E-01	1.6945E-01	0.140E+00
Bi-212	B	3.2242E-01	5.0490E-01	5.0504E-01	0.444E+00
BI-214		2.6533E-01	2.4559E-01	2.4579E-01	0.115E+00
CO-60	#F	2.4631E-02	2.2030E-02	2.2049E-02	0.115E-01
CS-137	#B	-3.6874E-02	-8.0393E-01	-8.0393E-01	0.444E-01
EU-152	#B	-1.2496E-02	2.6796E+02	2.6796E+02	0.944E-01
EU-154	#F	1.4908E-01	8.5322E-02	8.5500E-02	0.872E-01
K-40		8.2647E+00	1.6697E+00	1.6977E+00	0.126E+01
Pa-234	F	1.1413E-01	1.1874E-01	1.1881E-01	0.920E-01
Pb-210	#	3.0027E+00	1.9334E+00	1.9366E+00	0.988E+00
Pb-212	F	4.1271E-01	1.8119E-01	1.8184E-01	0.119E+00
PB-214	F	8.2476E-01	2.3683E-01	2.3880E-01	0.910E-01
RA-226	B	1.2525E+00	1.5447E+00	1.5454E+00	0.130E+01
Th-230		2.2365E+01	1.6301E+01	1.6322E+01	0.127E+02
Th-234	F	2.5351E+00	1.7045E+00	1.7071E+00	0.135E+01
Tl-208	F	2.4878E-01	6.9666E-02	7.0275E-02	0.615E-01
U-235	F	4.0614E-01	2.4167E-01	2.4214E-01	0.803E-01

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< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2662.5 keV) 3.6645603E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 30-AUG-2006 23:49:13 Page 1
New World Technology Spectrum name: 3N003881.An1

Sample description
Parcel B 6PBOPA16-004-060-07 362g
8/29/06 15:00

Acquisition information
Start time: 30-Aug-2006 23:04:08
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	5.4689E-02	4.0098E-02	4.0149E-02	0.212E+00
AM-241	#B	-3.2086E-02	-3.4051E-01	-3.4051E-01	0.826E-01
Bi-212	B	9.5463E-02	3.2635E-01	3.2637E-01	0.262E+00
BI-214	F	3.4669E-01	1.5088E-01	1.5143E-01	0.108E+00
CO-60	#B	8.3932E-03	8.5217E-03	8.5274E-03	0.266E-01
Cs-137	A	1.3430E-02	5.0052E-02	5.0054E-02	0.463E-01
EU-152	B	7.1166E-02	8.0469E-02	8.0512E-02	0.787E-01
EU-154	B	6.8267E-03	7.3893E-02	7.3893E-02	0.621E-01
K-40		1.2200E+01	1.5161E+00	1.5821E+00	0.110E+00
PA-234	#B	-1.4678E-02	-1.9649E-01	-1.9649E-01	0.114E+00
Pb-210	#B	-3.3594E-02	-1.4508E+00	-1.4508E+00	0.109E+01
PB-212	F	4.5823E-01	1.1611E-01	1.1734E-01	0.751E-01
PB-214		3.8248E-01	1.6257E-01	1.6319E-01	0.101E+00
RA-226	#B	-5.6077E-01	-2.2221E+00	-2.2222E+00	0.975E+00
Th-230	B	-5.9636E+00	-1.7138E+01	-1.7140E+01	0.926E+01
TH-234	A	2.6684E-01	5.1894E-01	5.1903E-01	0.800E+00
Tl-208	B	5.6158E-02	2.7470E-02	2.7549E-02	0.126E+00
U-235	#B	-1.3619E-02	-1.0295E-01	-1.0296E-01	0.539E-01

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A - Activity printed, but activity < MDA.
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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.3387154E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 00:17:14 Page 1
New World Technology Spectrum name: 5N001032.An1

Sample description
Parcel B 6PBOPA16-004-060-08 368g
8/29/06 15:10

Acquisition information
Start time: 30-Aug-2006 23:29:48
Live time: 2700
Real time: 2713

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	3.7588E-01	2.6710E-01	2.6747E-01	0.179E+00
AM-241	#B	-1.6419E-01	3.9439E+02	3.9439E+02	0.120E+00
Bi-212	B	5.3115E-03	3.5932E-01	3.5932E-01	0.299E+00
BI-214	F	2.7682E-01	1.6048E-01	1.6081E-01	0.111E+00
CO-60	#F	2.9333E-02	2.9722E-02	2.9742E-02	0.168E-01
CS-137	#B	-4.0063E-02	-2.6877E-01	-2.6878E-01	0.380E-01
EU-152	B	8.0824E-02	9.7390E-02	9.7436E-02	0.897E-01
EU-154	B	2.5780E-02	5.6658E-02	5.6666E-02	0.653E-01
K-40		9.2948E+00	1.5474E+00	1.5853E+00	0.101E+01
Pa-234	B	2.6701E-02	5.7516E-02	5.7525E-02	0.101E+00
Pb-210	#B	-1.4559E+00	-2.1898E+00	-2.1905E+00	0.107E+01
Pb-212	F	3.9417E-01	1.1337E-01	1.1431E-01	0.873E-01
PB-214	F	5.0171E-01	1.7790E-01	1.7887E-01	0.870E-01
RA-226	B	3.2604E-02	1.0893E+00	1.0893E+00	0.954E+00
Th-230	#B	-5.3695E-01	-1.5681E+01	-1.5681E+01	0.105E+02
Th-234	F	1.6587E+00	7.4964E-01	7.5214E-01	0.889E+00
Tl-208	F	2.2269E-01	6.9126E-02	6.9617E-02	0.780E-01
U-235	#B	-8.8021E-01	-3.0141E+00	-3.0143E+00	0.110E+00

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.1066059E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 00:25:35 Page 1
New World Technology Spectrum name: 1N003246.An1

Sample description
Parcel B 6PBOPA16-004-060-09 328g
8/29/06 15:20

Acquisition information
Start time: 30-Aug-2006 23:40:20
Live time: 2700
Real time: 2706

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	4.5787E-01	1.7264E-01	1.7348E-01	0.112E+00
AM-241	#A	-2.0911E-02	-2.4068E-01	-2.4068E-01	0.113E+00
Bi-212	B	1.5095E-01	3.3225E-01	3.3230E-01	0.252E+00
BI-214	A	4.0429E-01	1.5967E-01	1.6038E-01	0.666E+00
CO-60	#A	-2.1606E-03	2.1034E+01	2.1034E+01	0.126E-01
CS-137	#A	-1.8872E-03	-3.4805E-02	-3.4805E-02	0.227E-01
EU-152	C	1.0924E-01	1.4427E-01	1.4432E-01	0.758E-01
EU-154	C	6.6664E-02	8.0419E-02	8.0457E-02	0.572E-01
K-40		1.0379E+01	1.6619E+00	1.7061E+00	0.805E+00
Pa-234	#F	6.7545E-02	6.5405E-02	6.5452E-02	0.569E-01
Pb-210	#	1.0255E+00	1.2567E+00	1.2573E+00	0.932E+00
Pb-212	F	3.4877E-01	1.1738E-01	1.1809E-01	0.771E-01
Pb-214		4.3103E-01	1.4022E-01	1.4113E-01	0.971E-01
RA-226	#B	-1.3168E-01	-1.1391E+00	-1.1391E+00	0.873E+00
Th-230	#B	3.1261E+00	9.8348E+00	9.8355E+00	0.771E+01
Th-234	#B	-6.9761E-02	-9.9036E-02	-9.9070E-02	0.744E+00
Tl-208	#B	3.6406E-02	2.0401E-02	2.0446E-02	0.103E+00
U-235	B	2.6199E-02	6.1966E-02	6.1974E-02	0.502E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.2642111E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 31-AUG-2006 00:38:30 Page 1
New World Technology Spectrum name: 3N003882.An1

Sample description
Parcel B 6PBOPA16-004-060-10 363g
8/29/06 15:30

Acquisition information
Start time: 30-Aug-2006 23:53:23
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	-3.9841E-01	1.3866E+03	1.3866E+03	0.303E+00
AM-241	#A	5.7734E-02	1.4383E-01	1.4384E-01	0.103E+00
Bi-212	#F	1.1024E+00	5.0398E-01	5.0563E-01	0.214E+00
BI-214	F	3.9236E-01	1.5150E-01	1.5220E-01	0.109E+00
CO-60	#B	-2.2981E-02	-1.0802E-01	-1.0802E-01	0.265E-01
Cs-137	#B	-1.0352E-02	-6.1419E-02	-6.1420E-02	0.443E-01
EU-152	B	-4.5775E-03	2.9334E+02	2.9334E+02	0.873E-01
EU-154	#B	-2.8592E-02	1.2594E+02	1.2594E+02	0.543E-01
K-40		1.1274E+01	1.4554E+00	1.5142E+00	0.109E+00
PA-234	#F	1.1841E-01	1.3020E-01	1.3028E-01	0.967E-01
Pb-210	A	2.2446E-01	1.4769E+00	1.4769E+00	0.111E+01
PB-212		6.2910E-01	1.2525E-01	1.2740E-01	0.794E-01
PB-214		3.6029E-01	1.7482E-01	1.7533E-01	0.126E+00
RA-226	#B	-3.9050E-01	-1.8311E+00	-1.8312E+00	0.100E+01
Th-230	#F	1.2188E+01	1.0118E+01	1.0128E+01	0.947E+01
TH-234	F	7.9999E-01	5.5675E-01	5.5753E-01	0.758E+00
Tl-208	#A	9.9362E-02	5.7337E-02	5.7455E-02	0.131E+00
U-235	#B	-6.5355E-03	-3.8711E-02	-3.8711E-02	0.588E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.3757800E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 29-AUG-2006 19:48:27 Page 1
New World Technology Spectrum name: 3N003853.An1

Sample description
Parcel B 6PBOPA16-004-060-11 350g
8/29/06 15:40

Acquisition information
Start time: 29-Aug-2006 19:03:21
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		4.5135E-01	2.7564E-01	2.7614E-01	0.191E+00
AM-241	#B	-2.1643E-03	-1.2255E-01	-1.2255E-01	0.911E-01
Bi-212		9.5399E-01	4.5091E-01	4.5230E-01	0.270E+00
BI-214	F	2.5510E-01	1.6679E-01	1.6706E-01	0.118E+00
CO-60	#B	1.2647E-02	1.1238E-02	1.1248E-02	0.278E-01
Cs-137		5.9396E-02	4.9314E-02	4.9364E-02	0.412E-01
EU-152	F	2.8797E-01	1.6498E-01	1.6532E-01	0.743E-01
EU-154	#B	3.3990E-02	3.3151E-02	3.3175E-02	0.693E-01
K-40		1.3768E+01	1.7054E+00	1.7802E+00	0.238E+00
PA-234	#B	-7.3288E-02	-8.1459E-01	-8.1460E-01	0.905E-01
Pb-210	#B	-3.8065E-01	-1.5257E+00	-1.5258E+00	0.105E+01
PB-212	F	4.4674E-01	1.0986E-01	1.1110E-01	0.742E-01
PB-214	F	4.0849E-01	1.5221E-01	1.5296E-01	0.105E+00
RA-226	A	3.0046E-01	9.1947E-01	9.1954E-01	0.834E+00
Th-230	B	6.3758E+00	7.9501E+00	7.9536E+00	0.834E+01
TH-234	C	9.8708E-01	9.4210E-01	9.4280E-01	0.805E+00
Tl-208	#B	2.6983E-02	1.6259E-02	1.6289E-02	0.122E+00
U-235	#B	-2.4293E-02	-7.6225E-02	-7.6230E-02	0.511E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.6342857E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 00:59:21 Page 1
New World Technology Spectrum name: 4N000667.An1

Sample description
Parcel B 6PBOPA16-004-060-12 389g
8/29/06 15:50

Acquisition information
Start time: 31-Aug-2006 00:14:02
Live time: 2700
Real time: 2713

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#F	8.5808E-01	2.4752E-01	2.4956E-01	0.720E-01
AM-241	A	8.5132E-02	1.5274E-01	1.5277E-01	0.126E+00
Bi-212	B	3.3634E-02	3.9187E-01	3.9187E-01	0.368E+00
BI-214		6.5900E-01	2.4715E-01	2.4835E-01	0.903E-01
CO-60	#F	6.1545E-02	3.1782E-02	3.1863E-02	0.956E-02
CS-137	#B	-3.4144E-02	1.4787E+02	1.4787E+02	0.418E-01
EU-152	#B	-1.0408E-02	2.9040E+02	2.9040E+02	0.886E-01
EU-154	#F	1.8364E-01	1.8276E-01	1.8288E-01	0.583E-01
K-40	#	1.0244E+01	1.5763E+00	1.6215E+00	0.105E+01
Pa-234	F	2.2863E-01	1.4698E-01	1.4722E-01	0.834E-01
Pb-210		3.3144E+00	2.3373E+00	2.3405E+00	0.103E+01
Pb-212	F	3.0705E-01	1.3778E-01	1.3825E-01	0.106E+00
PB-214	F	6.1443E-01	2.3969E-01	2.4078E-01	0.933E-01
RA-226	B	7.9203E-02	1.2994E+00	1.2994E+00	0.113E+01
Th-230		1.3493E+01	1.0750E+01	1.0762E+01	0.830E+01
Th-234	#F	2.0490E+00	1.3541E+00	1.3562E+00	0.118E+01
Tl-208	#F	2.7439E-01	7.1199E-02	7.1924E-02	0.385E-01
U-235	F	2.1217E-01	1.4011E-01	1.4033E-01	0.662E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2662.5 keV) 2.9825756E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 01:07:40 Page 1
New World Technology Spectrum name: 5N001033.An1

Sample description
Parcel B 6PBOPA16-004-060-13 300g
8/29/06 16:00

Acquisition information
Start time: 31-Aug-2006 00:22:22
Live time: 2700
Real time: 2712

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		5.9928E-01	3.2589E-01	3.2665E-01	0.218E+00
AM-241	#B	-2.0141E-01	2.6001E+02	2.6001E+02	0.112E+00
Bi-212	F	7.9555E-01	4.1506E-01	4.1611E-01	0.241E+00
BI-214	F	3.8999E-01	1.6698E-01	1.6760E-01	0.125E+00
CO-60	#F	7.1692E-02	4.3123E-02	4.3205E-02	0.206E-01
CS-137	B	2.6817E-02	4.8437E-02	4.8447E-02	0.443E-01
EU-152	F	2.7606E-01	1.7608E-01	1.7638E-01	0.108E+00
EU-154	B	7.9137E-02	5.9822E-02	5.9893E-02	0.820E-01
K-40		9.0307E+00	1.8449E+00	1.8751E+00	0.127E+01
Pa-234	F	3.8073E-01	1.8557E-01	1.8611E-01	0.126E+00
Pb-210	#B	-2.3156E+00	-4.0512E+00	-4.0521E+00	0.134E+01
Pb-212		3.5905E-01	1.3784E-01	1.3848E-01	0.111E+00
PB-214		8.5302E-01	2.5759E-01	2.5952E-01	0.118E+00
RA-226	B	9.0891E-01	1.2898E+00	1.2902E+00	0.109E+01
Th-230	#B	-2.0743E+01	3.8068E+04	3.8068E+04	0.102E+02
Th-234	F	1.5885E+00	9.7035E-01	9.7213E-01	0.122E+01
Tl-208	#F	2.4782E-01	7.1752E-02	7.2337E-02	0.122E+00
U-235	#B	-1.0309E+00	-1.8236E+00	-1.8240E+00	0.135E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.2099270E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 01:15:40 Page 1
New World Technology Spectrum name: 1N003247.An1

Sample description
Parcel B 6PBOPA16-004-060-14 352g
8/29/06 16:10

Acquisition information
Start time: 31-Aug-2006 00:30:24
Live time: 2700
Real time: 2707

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide	Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	4.7390E-01	1.6627E-01	1.6720E-01	0.888E-01
AM-241 #A	-1.0918E-01	-1.7247E+00	-1.7247E+00	0.545E-01
Bi-212 #	9.4367E-01	4.8517E-01	4.8644E-01	0.185E+00
BI-214 F	1.4645E+00	7.3567E-01	7.3768E-01	0.490E+00
CO-60 #A	3.0200E-03	1.0067E-02	1.0067E-02	0.117E-01
CS-137	4.3309E-02	3.5316E-02	3.5353E-02	0.233E-01
EU-152 C	1.0092E-01	1.2498E-01	1.2504E-01	0.608E-01
EU-154 A	2.7860E-02	4.2600E-02	4.2613E-02	0.410E-01
K-40	8.5944E+00	1.4756E+00	1.5097E+00	0.750E+00
Pa-234 #B	-3.5964E-02	1.6631E+02	1.6631E+02	0.586E-01
Pb-210 A	3.5131E-01	1.3418E+00	1.3419E+00	0.957E+00
Pb-212 F	4.3775E-01	1.0522E-01	1.0647E-01	0.729E-01
Pb-214	4.6244E-01	1.4780E-01	1.4879E-01	0.915E-01
RA-226 A	6.5691E-01	9.4775E-01	9.4807E-01	0.819E+00
Th-230 #B	-6.9910E+00	-1.1439E+02	-1.1439E+02	0.499E+01
Th-234 #B	4.2553E-02	6.2361E-02	6.2381E-02	0.832E+00
Tl-208 #F	4.1051E-01	1.3673E-01	1.3758E-01	0.250E-01
U-235 B	3.9223E-02	5.7268E-02	5.7287E-02	0.455E-01

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< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.2830539E+01 picoCi/ g
Supervisor

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 31-AUG-2006 08:37:30 Page 1
New World Technology Spectrum name: 3N003883.An1

Sample description
Parcel B 6PBOPA16-004-060-15 329g
8/29/06 16:20

Acquisition information
Start time: 31-Aug-2006 07:52:23
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
AC-228		5.3732E-01	2.7006E-01	2.7080E-01	0.191E+00
AM-241	#B	-1.5631E-03	-1.1477E-01	-1.1477E-01	0.935E-01
Bi-212	#	6.6861E-01	4.0372E-01	4.0448E-01	0.210E+00
BI-214	F	3.0773E-01	1.5891E-01	1.5932E-01	0.122E+00
CO-60	#B	-2.7943E-02	7.4036E+01	7.4036E+01	0.280E-01
Cs-137	#A	1.2031E-02	7.1842E-02	7.1844E-02	0.535E-01
EU-152	F	1.0132E-01	1.0681E-01	1.0687E-01	0.886E-01
EU-154	B	2.7928E-02	8.2833E-02	8.2840E-02	0.684E-01
K-40		1.2864E+01	1.6920E+00	1.7579E+00	0.235E+00
PA-234	B	1.2975E-02	1.0364E-01	1.0364E-01	0.141E+00
Pb-210	#B	-2.0330E-01	-1.4828E+00	-1.4828E+00	0.109E+01
PB-212		3.5638E-01	1.1715E-01	1.1789E-01	0.870E-01
PB-214	F	3.0667E-01	1.9101E-01	1.9135E-01	0.117E+00
RA-226	#B	-1.6769E-01	-1.4069E+00	-1.4069E+00	0.105E+01
Th-230	#B	-4.5791E+00	-2.2507E+01	-2.2508E+01	0.918E+01
TH-234		1.5002E+00	1.0144E+00	1.0159E+00	0.856E+00
Tl-208	B	-1.4884E-02	-6.5157E-03	-6.5391E-03	0.116E+00
U-235	#B	1.7485E-02	3.0585E-02	3.0591E-02	0.596E-01

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A - Activity printed, but activity < MDA.
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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.6540569E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 01:49:52 Page 1
New World Technology Spectrum name: 4N000668.An1

Sample description
Parcel B 6PBOPA16-004-060-16 375g
8/29/06 16:30

Acquisition information
Start time: 31-Aug-2006 01:04:42
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#F	5.2341E-01	3.1107E-01	3.1168E-01	0.193E+00
AM-241	#A	-1.4389E-02	-2.0911E-01	-2.0911E-01	0.128E+00
Bi-212	#B	-1.3835E-01	-1.6277E-01	-1.6285E-01	0.449E+00
BI-214		6.8709E-01	1.9641E-01	1.9806E-01	0.662E-01
CO-60	#B	6.3842E-03	3.0395E-02	3.0396E-02	0.210E-01
CS-137	F	3.8459E-02	3.9933E-02	3.9959E-02	0.325E-01
EU-152	F	1.8520E-01	7.4257E-02	7.4572E-02	0.986E-01
EU-154	F	1.8792E-01	1.0988E-01	1.1010E-01	0.842E-01
K-40	#	5.9506E+00	1.3707E+00	1.3884E+00	0.108E+01
Pa-234	#F	2.4400E-01	1.4679E-01	1.4707E-01	0.139E+00
Pb-210		2.4646E+00	1.6664E+00	1.6689E+00	0.853E+00
Pb-212	F	4.5758E-01	1.3293E-01	1.3401E-01	0.977E-01
PB-214	F	5.1136E-01	1.9200E-01	1.9293E-01	0.879E-01
RA-226	B	5.7342E-01	1.3791E+00	1.3793E+00	0.118E+01
Th-230	B	7.9634E+00	1.4146E+01	1.4149E+01	0.114E+02
Th-234	F	2.0299E+00	1.3944E+00	1.3965E+00	0.113E+01
Tl-208	#F	1.8153E-01	5.6428E-02	5.6829E-02	0.606E-01
U-235	F	1.3671E-01	1.2080E-01	1.2090E-01	0.634E-01

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A - Activity printed, but activity < MDA.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2662.5 keV) 1.0916541E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 01:57:25 Page 1
New World Technology Spectrum name: 5N001034.An1

Sample description
Parcel B 6PBOPA16-004-060-17 352g
8/29/06 16:40

Acquisition information
Start time: 31-Aug-2006 01:12:14
Live time: 2700
Real time: 2704

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		4.8602E-01	2.6765E-01	2.6825E-01	0.188E+00
AM-241	#B	-1.5288E-02	-2.4328E-01	-2.4328E-01	0.135E+00
Bi-212	F	1.1583E+00	4.8924E-01	4.9112E-01	0.200E+00
BI-214	F	4.1283E-01	1.9801E-01	1.9860E-01	0.117E+00
CO-60	#B	-6.4317E-03	-4.5726E-02	-4.5727E-02	0.197E-01
CS-137	#B	-5.3611E-02	-5.6498E+00	-5.6498E+00	0.487E-01
EU-152	#F	1.4926E-01	1.3482E-01	1.3493E-01	0.904E-01
EU-154	#B	1.3108E-02	4.2051E-02	4.2054E-02	0.512E-01
K-40		1.0041E+01	1.6361E+00	1.6779E+00	0.105E+01
Pa-234	B	5.0419E-02	9.0239E-02	9.0258E-02	0.913E-01
Pb-210	#B	-1.3206E+00	-2.8680E+00	-2.8684E+00	0.119E+01
Pb-212		3.6312E-01	1.2370E-01	1.2443E-01	0.978E-01
PB-214		6.1565E-01	1.6311E-01	1.6469E-01	0.764E-01
RA-226	B	2.1005E-01	1.2623E+00	1.2623E+00	0.109E+01
Th-230	#B	-5.6805E+00	-2.4219E+01	-2.4220E+01	0.998E+01
Th-234	F	1.3591E+00	1.0851E+00	1.0863E+00	0.961E+00
Tl-208		2.6407E-01	7.1362E-02	7.2030E-02	0.815E-01
U-235	#B	-8.4806E-01	-1.1723E+00	-1.1728E+00	0.116E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2663.7 keV) 1.3340978E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 31-AUG-2006 02:09:38 Page 1
New World Technology Spectrum name: 1N003248.An1

Sample description
Parcel B 6PBOPA16-004-060-18 309g
8/29/06 16:50

Acquisition information
Start time: 31-Aug-2006 01:24:23
Live time: 2700
Real time: 2706

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		5.2080E-01	2.0184E-01	2.0277E-01	0.122E+00
AM-241	#A	1.7969E-02	1.3425E-01	1.3426E-01	0.978E-01
Bi-212	#B	0.0000E+00	7.6234E+02	7.6234E+02	0.288E+00
BI-214	#F	1.3611E+00	7.5917E-01	7.6085E-01	0.651E+00
CO-60	#	1.5956E-02	1.7000E-02	1.7010E-02	0.134E-01
CS-137	#A	-1.1152E-02	9.3855E+01	9.3855E+01	0.286E-01
EU-152	C	7.1789E-02	9.5671E-02	9.5708E-02	0.713E-01
EU-154	A	4.1529E-02	6.2240E-02	6.2259E-02	0.486E-01
K-40		6.6944E+00	1.4498E+00	1.4710E+00	0.854E+00
Pa-234	#B	1.7450E-02	5.1573E-02	5.1577E-02	0.804E-01
Pb-210	A	3.5858E-01	1.4182E+00	1.4183E+00	0.104E+01
Pb-212	F	3.0965E-01	1.1213E-01	1.1272E-01	0.860E-01
Pb-214		3.9335E-01	1.3708E-01	1.3786E-01	0.110E+00
RA-226	A	4.6104E-01	9.9006E-01	9.9021E-01	0.880E+00
Th-230	#B	-7.5384E-01	-1.4637E+00	-1.4640E+00	0.591E+01
Th-234	#A	6.8967E-01	1.0404E+00	1.0407E+00	0.965E+00
Tl-208		2.6691E-01	1.1478E-01	1.1521E-01	0.285E-01
U-235	C	1.0629E-01	8.9964E-02	9.0051E-02	0.501E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 9.5622129E+00 picoCi/ g

Laboratory: New World Technology

OVERBURDEN UNIT 69

GAMMA SPECTROSCOPY REPORTS

ORTEC g v - i (3263) wan32 G53W2.03 02-SEP-2006 07:21:58 Page 1
New World Technology Spectrum name: 3N003940.An1

Sample description
Parcel B 6PBOPA10-006-069-01 299g
9/01/06 10:00

Acquisition information
Start time: 02-Sep-2006 06:36:52
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	1.5277E-01	2.7531E-01	2.7537E-01	0.227E+00
AM-241	#A	1.2076E-01	2.2060E-01	2.2064E-01	0.142E+00
Bi-212	F	8.2913E-01	4.5951E-01	4.6054E-01	0.221E+00
BI-214	F	4.0304E-01	1.8594E-01	1.8654E-01	0.132E+00
CO-60	#A	1.3639E-02	1.8753E-02	1.8760E-02	0.308E-01
Cs-137	A	5.7285E-03	5.7672E-02	5.7673E-02	0.550E-01
EU-152	B	3.2955E-02	1.3550E-01	1.3551E-01	0.757E-01
EU-154	B	6.0812E-03	8.3402E-02	8.3403E-02	0.704E-01
K-40		1.3008E+01	1.7933E+00	1.8570E+00	0.262E+00
PA-234	#F	2.7330E-01	1.2420E-01	1.2461E-01	0.747E-01
Pb-210	#B	-3.9046E-01	-1.6705E+00	-1.6705E+00	0.114E+01
PB-212		4.1382E-01	1.3072E-01	1.3161E-01	0.881E-01
PB-214		3.9714E-01	1.7586E-01	1.7647E-01	0.130E+00
RA-226	#B	-1.8075E-01	-1.4631E+00	-1.4631E+00	0.110E+01
Th-230	#B	-5.4565E+00	-3.0207E+01	-3.0208E+01	0.112E+02
TH-234		1.2722E+00	9.6471E-01	9.6586E-01	0.870E+00
Tl-208	#B	-1.4919E-02	-5.0086E-02	-5.0090E-02	0.138E+00
U-235	#B	5.9023E-03	1.4460E-02	1.4461E-02	0.671E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.6323490E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 07:29:23 Page 1
New World Technology Spectrum name: 1N003304.An1

Sample description
Parcel B 6PBOPA10-006-069-02 315g
9/01/06 10:10

Acquisition information
Start time: 02-Sep-2006 06:44:07
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	3.9421E-01	1.5003E-01	1.5074E-01	0.955E-01
AM-241	#A	-1.1474E-01	-2.2953E+00	-2.2953E+00	0.582E-01
Bi-212	F	4.5897E-01	3.0280E-01	3.0328E-01	0.163E+00
BI-214	B	3.5576E-01	1.6325E-01	1.6379E-01	0.490E+00
CO-60	#A	1.5060E-03	1.1535E-02	1.1535E-02	0.131E-01
CS-137	A	1.3788E-02	3.2562E-02	3.2566E-02	0.263E-01
EU-152	C	1.0357E-01	6.8996E-02	6.9102E-02	0.646E-01
EU-154	A	4.0497E-02	6.2444E-02	6.2462E-02	0.486E-01
K-40		7.8275E+00	1.5204E+00	1.5480E+00	0.838E+00
Pa-234	#B	-4.0189E-02	2.9980E+02	2.9980E+02	0.938E-01
Pb-210		1.0301E+00	1.1815E+00	1.1822E+00	0.923E+00
Pb-212	F	3.1861E-01	1.0296E-01	1.0364E-01	0.773E-01
Pb-214		3.8781E-01	1.4055E-01	1.4128E-01	0.841E-01
RA-226	A	2.8191E-01	9.6720E-01	9.6726E-01	0.870E+00
Th-230	F	9.4534E+00	7.8969E+00	7.9046E+00	0.796E+01
Th-234	A	4.6689E-01	7.3689E-01	7.3709E-01	0.883E+00
Tl-208	B	2.4773E-02	2.3621E-02	2.3639E-02	0.984E-01
U-235	B	2.7473E-02	6.6663E-02	6.6671E-02	0.541E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.0417265E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 09:47:41 Page 1
New World Technology Spectrum name: 4N000702.An1

Sample description
Parcel B 6PBOPA10-006-069-03 304g
9/01/06 10:20

Acquisition information
Start time: 02-Sep-2006 08:17:28
Live time: 5400
Real time: 5405

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty 2 Sigma Counting pCi/g	Total pCi/g	MDA pCi/g
Ac-228	F	5.2983E-01	1.8085E-01	1.8192E-01	0.721E-01
AM-241	#A	-2.4913E-02	-2.0208E-01	-2.0208E-01	0.108E+00
Bi-212	B	-7.0536E-02	-1.2358E-01	-1.2361E-01	0.322E+00
BI-214		3.5700E-01	1.0660E-01	1.0742E-01	0.643E-01
CO-60	#B	0.0000E+00	0.0000E+00	0.0000E+00	0.612E-02
CS-137	#B	-4.2398E-02	-2.0996E+00	-2.0996E+00	0.333E-01
EU-152	F	1.6679E-01	1.1048E-01	1.1065E-01	0.870E-01
EU-154	#F	7.6349E-02	6.6630E-02	6.6690E-02	0.601E-01
K-40		5.6612E+00	1.1193E+00	1.1389E+00	0.946E+00
Pa-234	F	1.5523E-01	1.1462E-01	1.1477E-01	0.131E+00
Pb-210	#	3.7607E+00	1.7488E+00	1.7543E+00	0.790E+00
Pb-212		3.5342E-01	9.2804E-02	9.3726E-02	0.706E-01
PB-214	F	5.1883E-01	1.5134E-01	1.5256E-01	0.754E-01
RA-226	B	1.7097E-01	1.1353E+00	1.1353E+00	0.991E+00
Th-230	B	1.2877E+00	9.0231E+00	9.0232E+00	0.740E+01
Th-234		2.3276E+00	1.1359E+00	1.1391E+00	0.942E+00
Tl-208	F	1.6778E-01	6.0984E-02	6.1301E-02	0.557E-01
U-235	B	5.2713E-02	8.7565E-02	8.7587E-02	0.552E-01

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.8 to 2662.5 keV) 1.3831649E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 08:21:10 Page 1
New World Technology Spectrum name: 5N001073.An1

Sample description
Parcel B 6PBOPA10-006-069-04 310g
9/01/06 10:30

Acquisition information
Start time: 02-Sep-2006 07:36:00
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide	Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228 #B	-6.3519E-01	-2.7259E+00	-2.7260E+00	0.280E+00
AM-241 #B	-1.5498E-01	-1.0371E+00	-1.0371E+00	0.109E+00
Bi-212 F	9.7286E-01	4.7983E-01	4.8118E-01	0.291E+00
BI-214 #F	2.9231E-01	1.8116E-01	1.8148E-01	0.125E+00
CO-60 #B	2.0372E-03	1.1512E-02	1.1512E-02	0.285E-01
CS-137 #B	-4.8582E-02	-2.4997E-01	-2.4998E-01	0.428E-01
EU-152 F	3.2011E-01	1.5090E-01	1.5137E-01	0.990E-01
EU-154 B	5.0453E-02	3.8139E-02	3.8185E-02	0.749E-01
K-40	5.3752E+00	1.4702E+00	1.4836E+00	0.119E+01
Pa-234 F	1.8435E-01	1.7422E-01	1.7435E-01	0.121E+00
Pb-210 #B	-1.2250E+00	-2.6887E+00	-2.6891E+00	0.129E+01
Pb-212 F	2.1348E-01	1.1548E-01	1.1575E-01	0.982E-01
PB-214 F	3.9084E-01	1.4928E-01	1.4998E-01	0.862E-01
RA-226 #B	-1.5723E-01	-1.4972E+00	-1.4972E+00	0.107E+01
Th-230 #B	-1.4628E+01	-5.5372E+01	-5.5374E+01	0.947E+01
Th-234 B	1.0386E+00	5.2563E-01	5.2703E-01	0.109E+01
Tl-208 #F	1.9271E-01	8.3280E-02	8.3586E-02	0.852E-01
U-235 #B	-9.9760E-01	-3.5113E+00	-3.5115E+00	0.124E+00

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< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2664.3 keV) 7.7574687E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 02-SEP-2006 08:20:14 Page 1
New World Technology Spectrum name: 3N003941.An1

Sample description
Parcel B 6PBOPA10-006-069-05 335g
9/01/06 10:40

Acquisition information
Start time: 02-Sep-2006 07:35:09
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228		4.7212E-01	2.9262E-01	2.9314E-01	0.202E+00
AM-241	A	4.7485E-02	1.4083E-01	1.4084E-01	0.104E+00
Bi-212	F	5.3777E-01	3.5579E-01	3.5635E-01	0.222E+00
BI-214	F	4.9639E-01	1.7631E-01	1.7727E-01	0.117E+00
CO-60	#B	1.4394E-02	1.8067E-02	1.8075E-02	0.311E-01
Cs-137	#B	-3.9764E-02	-2.3425E-01	-2.3426E-01	0.596E-01
EU-152	F	1.4519E-01	1.4530E-01	1.4540E-01	0.869E-01
EU-154	F	7.3007E-02	7.4480E-02	7.4529E-02	0.593E-01
K-40		1.5066E+01	1.7514E+00	1.8383E+00	0.119E+00
PA-234	F	2.3819E-01	1.9409E-01	1.9429E-01	0.113E+00
Pb-210	#B	-2.3959E-01	-1.8140E+00	-1.8140E+00	0.119E+01
PB-212		5.2334E-01	1.2161E-01	1.2315E-01	0.787E-01
PB-214	F	3.9589E-01	1.4553E-01	1.4627E-01	0.115E+00
RA-226	#B	-5.1220E-01	-2.1369E+00	-2.1369E+00	0.105E+01
Th-230	#B	-1.8961E-01	-3.4418E-01	-3.4425E-01	0.773E+01
TH-234	#B	8.5056E-01	1.2573E+00	1.2577E+00	0.897E+00
Tl-208	#B	6.8551E-02	4.1201E-02	4.1279E-02	0.118E+00
U-235	A	4.6098E-02	9.4991E-02	9.5006E-02	0.611E-01

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< - MDA value printed.
A - Activity printed, but activity < MDA.
B - Activity < MDA and failed test.
C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.7730003E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 08:20:57 Page 1
New World Technology Spectrum name: 1N003305.An1

Sample description
Parcel B 6PBOPA10-006-069-06 331g
9/01/06 10:50

Acquisition information
Start time: 02-Sep-2006 07:35:43
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		5.7912E-01	2.7472E-01	2.7556E-01	0.125E+00
AM-241	#A	-3.3220E-02	-1.9316E-01	-1.9317E-01	0.871E-01
Bi-212	F	8.4909E-01	3.6910E-01	3.7044E-01	0.163E+00
BI-214	#F	7.7935E-01	3.7746E-01	3.7857E-01	0.573E+00
CO-60	#	2.9975E-02	2.6223E-02	2.6246E-02	0.125E-01
CS-137	#A	-1.0411E-02	8.3239E+01	8.3239E+01	0.284E-01
EU-152	A	4.1577E-02	7.8814E-02	7.8829E-02	0.669E-01
EU-154	A	1.7440E-02	4.3650E-02	4.3654E-02	0.544E-01
K-40	#	7.6673E+00	1.4633E+00	1.4907E+00	0.798E+00
Pa-234	#B	8.0691E-02	9.1707E-02	9.1755E-02	0.897E-01
Pb-210	#	9.8631E-01	1.3353E+00	1.3358E+00	0.980E+00
Pb-212	F	3.2296E-01	1.0859E-01	1.0925E-01	0.820E-01
Pb-214		4.5840E-01	1.6932E-01	1.7017E-01	0.778E-01
RA-226	A	1.7985E-01	9.2181E-01	9.2184E-01	0.835E+00
Th-230	B	-5.4249E+00	-4.7079E+01	-4.7079E+01	0.462E+01
Th-234	A	3.2152E-01	6.4836E-01	6.4847E-01	0.829E+00
Tl-208	#	3.1960E-01	1.2294E-01	1.2351E-01	0.266E-01
U-235	B	2.0059E-02	6.2695E-02	6.2699E-02	0.512E-01

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C - Area < Critical level.
F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.1992114E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 14:00:49 Page 1
New World Technology Spectrum name: 5N001074.An1

Sample description
Parcel B 6PBOPA10-006-069-07 310g
9/01/06 11:00

Acquisition information
Start time: 02-Sep-2006 08:25:04
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	4.8158E-01	2.2951E-01	2.3021E-01	0.189E+00
AM-241	#B	-1.0918E-01	-6.1798E-01	-6.1799E-01	0.151E+00
Bi-212	F	9.1752E-01	5.3724E-01	5.3832E-01	0.250E+00
BI-214	#F	3.1995E-01	1.8212E-01	1.8251E-01	0.122E+00
CO-60	#B	7.9913E-03	2.7100E-02	2.7101E-02	0.255E-01
CS-137	B	1.8039E-02	5.2168E-02	5.2172E-02	0.479E-01
EU-152	B	3.5842E-02	4.8253E-02	4.8272E-02	0.798E-01
EU-154	F	2.0823E-01	8.5010E-02	8.5358E-02	0.673E-01
K-40		7.3553E+00	1.6044E+00	1.6274E+00	0.119E+01
Pa-234	F	1.6427E-01	1.1479E-01	1.1495E-01	0.110E+00
Pb-210	#B	-1.9095E+00	-3.8563E+00	-3.8569E+00	0.131E+01
Pb-212	F	3.3330E-01	1.3471E-01	1.3527E-01	0.106E+00
PB-214	F	3.8112E-01	1.2613E-01	1.2692E-01	0.819E-01
RA-226	#B	-4.8643E-01	-2.2310E+00	-2.2311E+00	0.101E+01
Th-230	#B	-5.5251E+00	-3.1837E+01	-3.1838E+01	0.130E+02
Th-234	F	1.7703E+00	7.0627E-01	7.0929E-01	0.114E+01
Tl-208	#	2.2898E-01	7.4071E-02	7.4555E-02	0.852E-01
U-235	#B	-9.5938E-01	-1.8336E+00	-1.8339E+00	0.124E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2664.3 keV) 1.0017798E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 01-SEP-2006 15:12:21 Page 1
New World Technology Spectrum name: 5N001061.An1

Sample description
Parcel B 6PBOPA10-006-069-08 308g
9/01/06 11:10

Acquisition information
Start time: 01-Sep-2006 14:27:12
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#	3.7230E-01	2.9312E-01	2.9345E-01	0.214E+00
AM-241	#B	-1.8904E-01	-1.3351E+01	-1.3351E+01	0.145E+00
Bi-212	B	1.7434E-01	2.9288E-01	2.9295E-01	0.218E+00
BI-214	F	3.1483E-01	1.4609E-01	1.4656E-01	0.119E+00
CO-60	#F	7.0835E-02	2.6925E-02	2.7053E-02	0.219E-01
CS-137	#B	-6.1335E-02	-2.8284E+00	-2.8284E+00	0.554E-01
EU-152	F	9.7716E-02	7.5936E-02	7.6022E-02	0.870E-01
EU-154	B	4.7380E-02	6.7289E-02	6.7312E-02	0.609E-01
K-40		6.8262E+00	1.5769E+00	1.5971E+00	0.120E+01
Pa-234	F	1.7746E-01	1.3368E-01	1.3384E-01	0.130E+00
Pb-210	#B	-2.4024E+00	-3.9791E+00	-3.9800E+00	0.136E+01
Pb-212		2.5657E-01	1.2213E-01	1.2250E-01	0.102E+00
PB-214	F	4.2714E-01	1.4224E-01	1.4312E-01	0.948E-01
RA-226	B	3.5976E-01	1.1394E+00	1.1395E+00	0.993E+00
Th-230	#B	-2.0904E+01	-7.3766E+02	-7.3766E+02	0.787E+01
Th-234	F	1.1729E+00	8.0592E-01	8.0709E-01	0.105E+01
Tl-208		2.9753E-01	9.0118E-02	9.0791E-02	0.857E-01
U-235	#B	-9.8020E-01	-2.3671E+00	-2.3673E+00	0.126E+00

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F - Failed fraction or key line test.
H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2664.3 keV) 8.4945517E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 09:09:21 Page 1
New World Technology Spectrum name: 1N003306.An1

Sample description
Parcel B 6PBOPA10-006-069-09 299g
9/01/06 11:20

Acquisition information
Start time: 02-Sep-2006 08:24:07
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	4.5123E-01	1.6556E-01	1.6640E-01	0.121E+00
AM-241	#A	-2.7672E-02	-1.7525E-01	-1.7526E-01	0.943E-01
Bi-212	F	3.5029E-01	3.3588E-01	3.3613E-01	0.275E+00
BI-214	B	-5.1715E-01	1.2210E+03	1.2210E+03	0.462E+00
CO-60	#A	5.9255E-04	6.6249E-03	6.6250E-03	0.138E-01
CS-137	A	5.0628E-03	3.2877E-02	3.2878E-02	0.283E-01
EU-152	A	4.6333E-02	7.7397E-02	7.7416E-02	0.767E-01
EU-154	C	6.6312E-02	6.6414E-02	6.6459E-02	0.435E-01
K-40		9.0916E+00	1.6643E+00	1.6982E+00	0.883E+00
Pa-234	#B	-4.2339E-02	1.6725E+02	1.6725E+02	0.610E-01
Pb-210	#B	-6.4850E-01	-2.0078E+00	-2.0080E+00	0.968E+00
Pb-212		3.6205E-01	1.0923E-01	1.1006E-01	0.806E-01
Pb-214		4.7972E-01	1.7106E-01	1.7199E-01	0.981E-01
RA-226	#B	-3.3256E-01	-1.5706E+00	-1.5706E+00	0.957E+00
Th-230	#B	-6.9271E+00	-1.0514E+02	-1.0514E+02	0.620E+01
Th-234		1.6164E+00	1.1326E+00	1.1341E+00	0.937E+00
Tl-208		3.6644E-01	1.3842E-01	1.3909E-01	0.294E-01
U-235	C	1.0257E-01	7.8119E-02	7.8212E-02	0.527E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.2367464E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 02-SEP-2006 09:17:36 Page 1
New World Technology Spectrum name: 3N003942.An1

Sample description
Parcel B 6PBOPA10-006-069-10 334g
9/01/06 11:30

Acquisition information
Start time: 02-Sep-2006 08:28:17
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	B	1.8962E-01	9.7066E-02	9.7321E-02	0.243E+00
AM-241	#B	-7.5599E-04	-1.3077E-01	-1.3077E-01	0.997E-01
Bi-212	B	1.1493E-01	4.5867E-01	4.5869E-01	0.371E+00
BI-214	F	2.0860E-01	9.3287E-02	9.3607E-02	0.197E+00
CO-60	#A	1.4528E-02	2.6157E-02	2.6162E-02	0.276E-01
Cs-137	A	2.7990E-02	5.3413E-02	5.3424E-02	0.482E-01
EU-152	#B	-4.9749E-03	2.1477E+02	2.1477E+02	0.655E-01
EU-154	#B	-2.0364E-02	-1.6266E-01	-1.6266E-01	0.372E-01
K-40		1.5469E+01	1.7773E+00	1.8675E+00	0.119E+00
PA-234	#F	2.5913E-01	1.5748E-01	1.5777E-01	0.142E+00
Pb-210	#B	-7.2821E-02	-1.2843E+00	-1.2843E+00	0.105E+01
PB-212		5.3768E-01	1.2474E-01	1.2633E-01	0.786E-01
PB-214		3.7038E-01	1.6378E-01	1.6436E-01	0.116E+00
RA-226	A	3.0241E-01	1.0995E+00	1.0996E+00	0.978E+00
Th-230	B	2.0152E+00	4.3425E+00	4.3432E+00	0.101E+02
TH-234	#C	1.1377E+00	1.0407E+00	1.0416E+00	0.835E+00
Tl-208	#B	0.0000E+00	0.0000E+00	0.0000E+00	0.122E+00
U-235	#B	-2.8437E-02	-1.8290E-01	-1.8291E-01	0.563E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.6376844E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 10:02:08 Page 1
New World Technology Spectrum name: 5N001075.An1

Sample description
Parcel B 6PBOPA10-006-069-11 331g
9/01/06 11:40

Acquisition information
Start time: 02-Sep-2006 09:16:59
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228		6.5510E-01	2.3794E-01	2.3918E-01	0.177E+00
AM-241	#B	-4.7728E-02	-2.5653E-01	-2.5654E-01	0.131E+00
Bi-212	#B	3.1848E-02	1.5370E-01	1.5370E-01	0.135E+00
BI-214	#F	4.5800E-01	2.4559E-01	2.4618E-01	0.123E+00
CO-60	#B	9.2083E-03	2.5391E-02	2.5393E-02	0.187E-01
CS-137	#B	-7.7043E-04	-4.6072E-02	-4.6072E-02	0.439E-01
EU-152	F	1.4367E-01	1.2142E-01	1.2153E-01	0.823E-01
EU-154	F	1.8814E-01	7.6806E-02	7.7120E-02	0.585E-01
K-40		9.1825E+00	1.6449E+00	1.6798E+00	0.111E+01
Pa-234	B	7.7524E-02	1.0736E-01	1.0740E-01	0.113E+00
Pb-210	#B	-4.2025E-01	-2.1238E+00	-2.1238E+00	0.128E+01
Pb-212	F	4.6680E-01	1.2011E-01	1.2135E-01	0.893E-01
PB-214		3.2663E-01	1.3785E-01	1.3838E-01	0.106E+00
RA-226	B	5.3608E-01	1.1677E+00	1.1678E+00	0.999E+00
Th-230	#B	-8.5270E+00	-3.5904E+01	-3.5905E+01	0.109E+02
Th-234	F	1.3384E+00	5.1713E-01	5.1950E-01	0.111E+01
Tl-208	F	2.8319E-01	6.6571E-02	6.7393E-02	0.111E+00
U-235	#B	-8.5730E-01	-2.5026E+00	-2.5028E+00	0.116E+00

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C - Area < Critical level.
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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2664.3 keV) 1.1420820E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 10:00:16 Page 1
New World Technology Spectrum name: 1N003307.An1

Sample description
Parcel B 6PBOPA10-006-069-12 348g
9/01/06 11:50

Acquisition information
Start time: 02-Sep-2006 09:15:01
Live time: 2700
Real time: 2705

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228	F	5.5155E-01	1.5724E-01	1.5857E-01	0.950E-01
AM-241	#A	-3.5351E-02	-2.4995E-01	-2.4996E-01	0.960E-01
Bi-212	F	6.0621E-01	3.7590E-01	3.7658E-01	0.231E+00
BI-214	B	4.9095E-01	1.9202E-01	1.9288E-01	0.586E+00
CO-60	#A	-2.0365E-03	1.9825E+01	1.9825E+01	0.119E-01
CS-137	#A	-9.9021E-03	9.7189E+01	9.7189E+01	0.322E-01
EU-152	C	1.0512E-01	1.0858E-01	1.0865E-01	0.689E-01
EU-154	C	9.0045E-02	6.0030E-02	6.0123E-02	0.477E-01
K-40		8.1745E+00	1.4560E+00	1.4874E+00	0.759E+00
Pa-234	#B	2.4737E-02	1.3569E-01	1.3569E-01	0.997E-01
Pb-210		1.2167E+00	1.4700E+00	1.4707E+00	0.101E+01
Pb-212	F	4.0782E-01	9.6932E-02	9.8109E-02	0.664E-01
Pb-214		4.0182E-01	1.2995E-01	1.3081E-01	0.736E-01
RA-226	#B	-2.1834E-01	-1.1819E+00	-1.1819E+00	0.800E+00
Th-230	#B	-3.0643E+00	-2.7786E+01	-2.7787E+01	0.816E+01
Th-234	#A	4.0099E-01	7.2476E-01	7.2491E-01	0.727E+00
Tl-208	B	6.6525E-02	3.5512E-02	3.5598E-02	0.706E-01
U-235	A	4.1517E-02	7.2765E-02	7.2782E-02	0.459E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.1358652E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 02-SEP-2006 10:04:58 Page 1
New World Technology Spectrum name: 3N003943.An1

Sample description
Parcel B 6PBOPA10-006-069-13 291g
9/01/06 12:00

Acquisition information
Start time: 02-Sep-2006 09:19:52
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	A	2.2721E-01	2.3071E-01	2.3086E-01	0.254E+00
AM-241		1.7267E-01	1.7048E-01	1.7060E-01	0.114E+00
Bi-212	F	6.5810E-01	4.4012E-01	4.4080E-01	0.282E+00
BI-214	#F	4.5374E-01	1.7828E-01	1.7907E-01	0.142E+00
CO-60	#B	8.1561E-03	1.8296E-02	1.8298E-02	0.317E-01
Cs-137	#B	-6.1415E-02	-2.9554E-01	-2.9555E-01	0.489E-01
EU-152	F	2.5765E-01	2.5067E-01	2.5085E-01	0.783E-01
EU-154	B	7.9350E-03	7.4727E-02	7.4728E-02	0.723E-01
K-40		1.2891E+01	1.7382E+00	1.8027E+00	0.137E+00
PA-234	#B	-3.8505E-03	-1.7754E-02	-1.7755E-02	0.127E+00
Pb-210	A	2.6746E-01	1.8122E+00	1.8122E+00	0.134E+01
PB-212	F	4.4218E-01	1.3586E-01	1.3685E-01	0.925E-01
PB-214	F	2.8441E-01	2.1596E-01	2.1621E-01	0.145E+00
RA-226	#B	-4.6759E-02	-1.3117E+00	-1.3117E+00	0.113E+01
Th-230	#B	-8.9556E+00	-5.0236E+01	-5.0237E+01	0.965E+01
TH-234	#	1.7533E+00	1.1405E+00	1.1424E+00	0.889E+00
Tl-208	#B	3.4007E-02	1.7730E-02	1.7775E-02	0.148E+00
U-235	#B	1.4667E-02	4.6525E-02	4.6528E-02	0.701E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.6655546E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 10:39:06 Page 1
New World Technology Spectrum name: 4N000703.An1

Sample description
Parcel B 6PBOPA10-006-069-14 328g
9/01/06 12:10

Acquisition information
Start time: 02-Sep-2006 09:53:56
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	F	8.5555E-01	3.0751E-01	3.0915E-01	0.108E+00
AM-241	A	1.2636E-01	1.6099E-01	1.6106E-01	0.132E+00
Bi-212	B	5.7540E-02	3.5911E-01	3.5912E-01	0.361E+00
BI-214		5.7187E-01	1.4577E-01	1.4731E-01	0.754E-01
CO-60	#F	2.9196E-02	3.3713E-02	3.3730E-02	0.160E-01
CS-137	B	1.0590E-02	5.1477E-02	5.1478E-02	0.456E-01
EU-152	#B	-1.2344E-02	2.7634E+02	2.7634E+02	0.974E-01
EU-154	#B	6.5651E-02	1.0586E-01	1.0589E-01	0.686E-01
K-40		6.8016E+00	1.5667E+00	1.5869E+00	0.124E+01
Pa-234	B	-1.9542E-01	7.9924E+02	7.9924E+02	0.163E+00
Pb-210		1.5001E+00	1.2026E+00	1.2039E+00	0.947E+00
Pb-212	F	4.7547E-01	1.2562E-01	1.2685E-01	0.916E-01
PB-214	F	5.5293E-01	1.5103E-01	1.5242E-01	0.939E-01
RA-226	B	4.2804E-01	1.4100E+00	1.4101E+00	0.123E+01
Th-230	B	8.0227E+00	1.5415E+01	1.5417E+01	0.124E+02
Th-234		3.7674E+00	1.9292E+00	1.9342E+00	0.125E+01
Tl-208	F	1.8363E-01	4.5349E-02	4.5858E-02	0.560E-01
U-235	F	1.7052E-01	1.1173E-01	1.1191E-01	0.754E-01

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---------- S U M M A R Y ----------

Total Activity (41.8 to 2662.5 keV) 1.4879012E+01 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 11:00:19 Page 1
New World Technology Spectrum name: 5N001076.An1

Sample description
Parcel B 6PBOPA10-006-069-15 304g
9/01/06 12:20

Acquisition information
Start time: 02-Sep-2006 10:15:09
Live time: 2700
Real time: 2703

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity pCi/g	Uncertainty Counting pCi/g	2 Sigma Total pCi/g	MDA pCi/g
Ac-228	#B	1.3337E-02	2.6543E-01	2.6543E-01	0.222E+00
AM-241	#B	-1.1772E-01	-6.4511E-01	-6.4513E-01	0.144E+00
Bi-212	F	5.9735E-01	3.9865E-01	3.9927E-01	0.253E+00
BI-214	F	3.0862E-01	1.9667E-01	1.9700E-01	0.123E+00
CO-60	#B	2.6587E-03	3.0527E-02	3.0527E-02	0.263E-01
CS-137	B	5.4701E-03	5.4427E-02	5.4427E-02	0.511E-01
EU-152	F	2.2281E-01	1.7228E-01	1.7247E-01	0.903E-01
EU-154	B	3.4055E-02	7.3394E-02	7.3405E-02	0.723E-01
K-40	#	4.3653E+00	1.4179E+00	1.4271E+00	0.121E+01
Pa-234	F	1.8008E-01	1.4112E-01	1.4127E-01	0.122E+00
Pb-210	B	2.3379E-02	1.5776E+00	1.5776E+00	0.126E+01
Pb-212		2.8691E-01	1.3767E-01	1.3808E-01	0.104E+00
PB-214	F	3.4651E-01	1.4306E-01	1.4364E-01	0.101E+00
RA-226	B	7.0043E-01	1.0954E+00	1.0957E+00	0.943E+00
Th-230	#B	-1.7983E+01	-1.6732E+02	-1.6732E+02	0.117E+02
Th-234	F	1.3215E+00	8.2619E-01	8.2763E-01	0.111E+01
Tl-208	F	2.0225E-01	5.0278E-02	5.0834E-02	0.868E-01
U-235	#B	-1.0354E+00	-6.8255E+00	-6.8256E+00	0.129E+00

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.9 to 2664.3 keV) 6.1069765E+00 pCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.06 02-SEP-2006 10:55:27 Page 1
New World Technology Spectrum name: 1N003308.An1

Sample description
Parcel B 6PBOPA10-006-069-16 329g
9/01/06 12:30

Acquisition information
Start time: 02-Sep-2006 10:10:08
Live time: 2700
Real time: 2706

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/ g	Uncertainty Counting picoCi/ g	2 Sigma Total picoCi/ g	MDA picoCi/ g
Ac-228		5.8924E-01	2.1968E-01	2.2077E-01	0.103E+00
AM-241	#A	-1.0556E-01	-1.8113E+00	-1.8113E+00	0.672E-01
Bi-212	F	9.1588E-01	4.7314E-01	4.7436E-01	0.257E+00
BI-214	B	5.0414E-01	1.6605E-01	1.6710E-01	0.539E+00
CO-60	#A	1.0369E-02	1.3816E-02	1.3821E-02	0.125E-01
CS-137		3.7542E-02	4.0407E-02	4.0431E-02	0.291E-01
EU-152	#A	-3.2204E-02	1.8813E+02	1.8813E+02	0.812E-01
EU-154	C	5.4503E-02	6.8332E-02	6.8362E-02	0.471E-01
K-40		9.0307E+00	1.5672E+00	1.6027E+00	0.802E+00
Pa-234	#F	1.3244E-01	1.0859E-01	1.0870E-01	0.766E-01
Pb-210	A	7.4573E-01	1.5258E+00	1.5260E+00	0.106E+01
Pb-212	F	4.2600E-01	1.0398E-01	1.0518E-01	0.720E-01
Pb-214		5.4688E-01	1.5566E-01	1.5698E-01	0.752E-01
RA-226	#B	-7.9128E-02	-1.1916E+00	-1.1916E+00	0.959E+00
Th-230	B	7.0069E+00	6.7514E+00	6.7564E+00	0.877E+01
Th-234	#A	7.5359E-01	8.2159E-01	8.2206E-01	0.963E+00
Tl-208	#	2.6922E-01	1.1217E-01	1.1262E-01	0.268E-01
U-235	B	2.5675E-02	6.6145E-02	6.6152E-02	0.537E-01

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H - Halflife limit exceeded

---------- S U M M A R Y ----------

Total Activity (41.7 to 2664.4 keV) 1.1825788E+01 picoCi/ g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 02-SEP-2006 11:00:29 Page 1
New World Technology Spectrum name: 3N003944.An1

Sample description
Parcel B 6PBOPA10-006-069-17 303g
9/01/06 12:40

Acquisition information
Start time: 02-Sep-2006 10:15:22
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	#F	3.9193E-01	2.2509E-01	2.2555E-01	0.208E+00
AM-241	#B	-1.5000E-02	-1.9242E-01	-1.9243E-01	0.993E-01
Bi-212	B	1.9481E-01	4.2389E-01	4.2395E-01	0.332E+00
BI-214	F	3.7779E-01	2.4753E-01	2.4793E-01	0.144E+00
CO-60	#B	-7.9128E-03	-2.1931E-02	-2.1933E-02	0.321E-01
Cs-137	#B	-5.3975E-02	-3.1982E-01	-3.1983E-01	0.566E-01
EU-152	#B	-5.4839E-03	3.2240E+02	3.2240E+02	0.960E-01
EU-154	#B	3.3635E-02	1.0228E-01	1.0229E-01	0.723E-01
K-40		1.0974E+01	1.6503E+00	1.6997E+00	0.262E+00
PA-234	#B	-4.5032E-02	-4.1933E-01	-4.1933E-01	0.145E+00
Pb-210	#B	-7.9469E-01	-2.1325E+00	-2.1327E+00	0.111E+01
PB-212	F	2.9104E-01	1.1357E-01	1.1408E-01	0.817E-01
PB-214	F	2.6536E-01	1.4584E-01	1.4617E-01	0.129E+00
RA-226	A	2.2171E-01	1.1155E+00	1.1155E+00	0.101E+01
Th-230	B	-7.2955E+00	-2.3014E+01	-2.3016E+01	0.775E+01
TH-234	#B	-1.6077E-01	-9.2081E-01	-9.2083E-01	0.100E+01
Tl-208	B	4.7936E-02	1.6435E-02	1.6531E-02	0.135E+00
U-235	#B	-2.1347E-02	-1.3879E-01	-1.3880E-01	0.618E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.1642496E+01 picoCi/g

Laboratory: New World Technology

ORTEC g v - i (3263) wan32 G53W2.03 01-SEP-2006 15:26:17 Page 1
New World Technology Spectrum name: 3N003922.An1

Sample description
Parcel B 6PBOPA10-006-069-18 333g
9/01/06 12:50

Acquisition information
Start time: 01-Sep-2006 14:23:20
Live time: 2700
Real time: 2702

- -

***** S U M M A R Y O F N U C L I D E S I N S A M P L E *****

Nuclide		Time of Count Activity picoCi/g	Uncertainty Counting picoCi/g	2 Sigma Total picoCi/g	MDA picoCi/g
Ac-228	F	6.1344E-01	3.4254E-01	3.4329E-01	0.205E+00
AM-241	A	3.4532E-03	1.0531E-01	1.0531E-01	0.901E-01
Bi-212	B	1.7641E-01	4.7274E-01	4.7279E-01	0.377E+00
BI-214	F	3.4800E-01	1.9791E-01	1.9833E-01	0.118E+00
CO-60	#B	-2.5562E-02	-1.1551E-01	-1.1552E-01	0.292E-01
Cs-137	A	7.8578E-03	6.0666E-02	6.0667E-02	0.556E-01
EU-152	B	8.6352E-02	9.1223E-02	9.1279E-02	0.874E-01
EU-154	A	5.3714E-02	7.7397E-02	7.7422E-02	0.642E-01
K-40		1.2858E+01	1.6834E+00	1.7496E+00	0.236E+00
PA-234	#B	6.2009E-02	9.5514E-02	9.5542E-02	0.110E+00
Pb-210	A	8.8378E-01	1.6627E+00	1.6631E+00	0.120E+01
PB-212		4.2424E-01	1.2552E-01	1.2650E-01	0.868E-01
PB-214	F	3.4081E-01	1.7668E-01	1.7713E-01	0.123E+00
RA-226	A	2.5139E-01	1.1061E+00	1.1062E+00	0.986E+00
Th-230	#B	-1.1932E+01	2.4260E+04	2.4260E+04	0.105E+02
TH-234	F	8.0607E-01	6.2064E-01	6.2136E-01	0.787E+00
Tl-208	B	-1.5027E-02	-1.3644E-02	-1.3655E-02	0.132E+00
U-235	#B	-8.2187E-03	-9.7109E-02	-9.7110E-02	0.634E-01

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---------- S U M M A R Y ----------

Total Activity (41.7 to 2660.8 keV) 1.4584153E+01 picoCi/g

Laboratory: New World Technology

ATTACHMENT 4

OVERBURDEN UNIT ^{90}SR RESULTS

STRONTIUM-90 ANALYSIS REPORT

Count Date:	8/21/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB082106-026	Detector ID:	0615608	Y-90 Efficiency:	47.6%
Performed By:	P Smith	Cal Due Date:	5/24/2007	Sr-90 Efficiency:	39.8%
				Sr-90 Added:	10 mg

Sample ID	Date Time Collected HH:MM:SS	Y-90 Date Time Start HH:MM:SS	Date Time Count HH:MM:SS	Aliquot Mass grams	Initial Mass grams	Final Mass grams	Sr-90 Yield percent	Total CPM	Total Counts	Sr-90 Activity pCi/g	MDC pCi/g	2 Sigma Uncertainty pCi/g
6PBOPA12-005-050-06	8/19/06 11:00	8/21/06 3:27	8/21/06 8:31	10	9.2834	9.2918	83.0%	0.467	14	-0.045	0.212	0.110
6PBOPA12-005-050-16	8/19/06 12:40	8/21/06 3:27	8/21/06 9:01	10	9.3306	9.3385	78.0%	0.500	15	0.000	0.226	0.000
1.0 pCi	8/19/06 0:00	8/21/06 3:25	8/21/06 11:03	10	9.1579	9.1683	103.0%	1.467	44	1.072	0.171	0.480
Blank	8/8/06 0:00	8/11/06 14:15	8/21/06 11:33	10	9.3235	9.3236		0.500	15			

STRONTIUM-90 ANALYSIS REPORT

Count Date:	8/25/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB082506-029	Detector ID:	0615608	Y-90 Efficiency:	47.6%
Performed By:	P Smith	Cal Due Date:	5/24/2007	Sr-90 Efficiency:	39.8%
				Sr-90 Added:	10 mg

Sample ID	Date Time Collected HH:MM:SS	Y-90 Date Time Start HH:MM:SS	Date Time Count HH:MM:SS	Aliquot Mass grams	Initial Mass grams	Final Mass grams	Sr-90 Yield percent	Total CPM	Total Counts	Sr-90 Activity pCi/g	MDC pCi/g	2 Sigma Uncertainty pCi/g
6PBOPA07-005-053-06	8/23/06 11:50	8/25/06 10:28	8/25/06 16:51	10	9.3388	9.3487	98.0%	0.267	8	-0.077	0.151	0.132
6PBOPA07-005-053-16	8/23/06 13:50	8/25/06 10:27	8/25/06 17:22	10	9.3457	9.3558	100.0%	0.167	5	-0.190	0.148	0.205
6PBOPA07-005-053-26	8/23/06 15:20	8/25/06 10:27	8/25/06 17:52	10	9.2262	9.2337	74.0%	0.233	7	-0.154	0.200	0.215
6PBOPA07-005-053-36	8/23/06 17:00	8/25/06 10:28	8/25/06 18:23	10	9.2866	9.2952	85.0%	0.267	8	-0.089	0.174	0.152
1.0 pCi	8/23/06 0:00	8/25/06 10:27	8/25/06 20:54	10	9.2716	9.2822	105.0%	1.167	35	0.907	0.141	0.437
Blank	8/8/06 0:00	8/11/06 14:15	8/25/06 21:25	10	9.3235	9.3236		0.333	10			

STRONTIUM-90 ANALYSIS REPORT

Count Date:	8/31/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB083106-033	Detector ID:	0615608	Y-90 Efficiency:	47.6%
Performed By:	P Smith	Cal Due Date:	5/24/2007	Sr-90 Efficiency:	39.8%
				Sr-90 Added:	10 mg

Sample ID	Date Time Collected HH:MM:SS	Y-90 Date Time Start HH:MM:SS	Date Time Count HH:MM:SS	Aliquot Mass grams	Initial Mass grams	Final Mass grams	Sr-90 Yield percent	Total CPM	Total Counts	Sr-90 Activity pCi/g	MDC pCi/g	2 Sigma Uncertainty pCi/g
6PBOPA16-004-060-01	8/29/06 14:00	8/31/06 4:49	8/31/06 16:52	10	9.2804	9.2890	83.0%	0.433	13	-0.184	0.224	0.222
6PBOPA16-004-060-11	8/29/06 15:40	8/31/06 4:51	8/31/06 17:22	10	9.1684	9.1767	80.0%	0.500	15	-0.096	0.232	0.163
1.0 pCi	8/29/06 0:00	8/31/06 4:48	8/31/06 18:54	10	9.2415	9.2522	104.0%	1.400	42	0.915	0.179	0.441
Blank	8/24/06 0:00	8/26/06 4:38	8/31/06 19:24	10	9.1477	9.1480		0.567	17			

STRONTIUM-90 ANALYSIS REPORT

Count Date:	9/2/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB090206-035	Detector ID:	0615608	Y-90 Efficiency:	47.6%
Performed By:	P Smith	Cal Due Date:	5/24/2007	Sr-90 Efficiency:	39.8%
				Sr-90 Added:	10 mg

Sample ID	Date Time Collected HH:MM:SS	Y-90 Date Time Start HH:MM:SS	Date Time Count HH:MM:SS	Aliquot Mass grams	Initial Mass grams	Final Mass grams	Sr-90 Yield percent	Total CPM	Total Counts	Sr-90 Activity pCi/g	MDC pCi/g	2 Sigma Uncertainty pCi/g
6PBOPA10-006-069-08	9/1/06 11:10	9/2/06 5:18	9/3/06 0:19	10	9.2335	9.2413	75.0%	0.733	22	0.305	0.241	0.300
6PBOPA10-006-069-18	9/1/06 12:50	9/2/06 5:14	9/3/06 0:49	10	9.4192	9.4280	85.0%	0.267	8	-0.357	0.213	0.305
1.0 pCi	9/1/06 0:00	9/2/06 5:12	9/3/06 2:50	10	9.3062	9.3167	102.0%	1.333	40	0.896	0.177	0.441
Blank	8/24/06 0:00	8/26/06 4:38	9/3/06 3:21	10	9.1477	9.1480		0.533	16			

STRONTIUM-90 ANALYSIS REPORT

Count Date:	9/9/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB090906-038	Detector ID:	0615608	Y-90 Efficiency:	47.6%
Performed By:	P Smith	Cal Due Date:	5/24/2007	Sr-90 Efficiency:	39.8%
				Sr-90 Added:	10 mg

Sample ID	Date Time Collected HH:MM:SS	Y-90 Date Time Start HH:MM:SS	Date Time Count HH:MM:SS	Aliquot Mass grams	Initial Mass grams	Final Mass grams	Sr-90 Yield percent	Total CPM	Total Counts	Sr-90 Activity pCi/g	MDC pCi/g	2 Sigma Uncertainty pCi/g
6PBOPA10-006-069-01	9/1/06 10:00	9/9/06 14:40	9/11/06 3:44	10	9.2034	9.2125	88.0%	0.267	8	-0.389	0.211	0.313
6PBOPA10-006-069-02	9/1/06 10:10	9/9/06 14:40	9/11/06 4:14	10	9.3643	9.3758	112.0%	0.600	18	0.034	0.166	0.081
6PBOPA10-006-069-03	9/1/06 10:20	9/9/06 14:42	9/11/06 4:44	10	9.1089	9.1193	101.0%	0.167	5	-0.452	0.184	0.315
6PBOPA10-006-069-04	9/1/06 10:30	9/9/06 14:39	9/11/06 5:15	10	9.2634	9.2713	76.0%	0.733	22	0.249	0.244	0.269
6PBOPA10-006-069-05	9/1/06 10:40	9/9/06 14:39	9/11/06 5:45	10	9.3242	9.3335	90.0%	0.600	18	0.042	0.206	0.101
6PBOPA10-006-069-06	9/1/06 10:50	9/9/06 14:45	9/11/06 6:16	10	9.1196	9.1283	84.0%	0.567	17	0.000	0.221	0.000
6PBOPA10-006-069-07	9/1/06 11:00	9/9/06 14:41	9/11/06 6:46	10	9.4164	9.4271	104.0%	0.567	17	0.000	0.179	0.000
6PBOPA10-006-069-09	9/1/06 11:20	9/9/06 14:44	9/11/06 7:16	10	9.1417	9.1500	80.0%	0.467	14	-0.143	0.232	0.199
6PBOPA10-006-069-10	9/1/06 11:30	9/9/06 14:44	9/11/06 7:47	10	9.2730	9.2815	82.0%	0.533	16	-0.047	0.227	0.113
6PBOPA10-006-069-11	9/1/06 11:40	9/9/06 14:45	9/11/06 8:17	10	9.2827	9.2918	88.0%	0.300	9	-0.347	0.211	0.295
1.0 pCi	9/1/06 0:00	9/9/06 14:42	9/11/06 8:48	10	9.1024	9.1129	102.0%	1.567	47	1.120	0.182	0.492
Blank	8/24/06 0:00	8/26/06 4:38	9/11/06 9:18	10	9.1477	9.1480		0.567	17			

STRONTIUM-90 ANALYSIS REPORT

Count Date:	9/12/2006	Instrument ID:	Protean WPC 9550	Count Time:	30 min
Batch ID:	NWTLAB091206-039	Detector ID:	0615608	Y-90 Efficiency:	47.6%
Performed By:	P Smith	Cal Due Date:	5/24/2007	Sr-90 Efficiency:	39.8%
				Sr-90 Added:	10 mg

Sample ID	Date Time Collected HH:MM:SS	Y-90 Date Time Start HH:MM:SS	Date Time Count HH:MM:SS	Aliquot Mass grams	Initial Mass grams	Final Mass grams	Sr-90 Yield percent	Total CPM	Total Counts	Sr-90 Activity pCi/g	MDC pCi/g	2 Sigma Uncertainty pCi/g
6PBOPA10-006-069-12	9/1/06 11:50	9/11/06 11:23	9/12/06 10:41	10	9.3592	9.3700	105.0%	0.333	10	-0.255	0.177	0.231
6PBOPA10-006-069-13	9/1/06 12:00	9/11/06 11:59	9/12/06 11:12	10	9.1797	9.1916	116.0%	0.433	13	-0.132	0.160	0.159
6PBOPA10-006-069-14	9/1/06 12:10	9/11/06 11:32	9/12/06 11:42	10	9.4260	9.4348	85.0%	0.300	9	-0.359	0.219	0.305
6PBOPA10-006-069-15	9/1/06 12:20	9/11/06 11:26	9/12/06 12:12	10	9.3773	9.3867	91.0%	0.767	23	0.251	0.204	0.247
6PBOPA10-006-069-16	9/1/06 12:30	9/11/06 11:12	9/12/06 12:43	10	9.2167	9.2241	71.0%	0.400	12	-0.269	0.262	0.289
6PBOPA10-006-069-17	9/1/06 12:40	9/11/06 11:39	9/12/06 13:13	10	9.1627	9.1742	112.0%	0.333	10	-0.239	0.166	0.217
1.0 pCi	9/7/06 0:00	9/11/06 11:24	9/12/06 18:17	10	9.1316	9.1429	110.0%	1.633	49	1.107	0.169	0.472
Blank	8/24/06 0:00	8/26/06 4:38	9/12/06 18:47	10	9.1477	9.1480		0.567	17			

ATTACHMENT 5

QUALITY ASSURANCE SAMPLE RESULTS

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8812

8812-005 6PBFS-012-02

DATA SHEET

SDG	8812	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R610027-05	Client sample id	6PBFS-012-02
Dept sample id	8812-005	Location/Matrix	HPS-IR07 SOIL
Received	10/05/06	Collected/Weight	09/27/06 09:10 383 g
		Custody/Proj. No.	22127 CTO 6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	7.37	2.4	0.202			GAM
Cobalt-60	10198-40-0	U		0.022	0.036	U	GAM
Cesium-137	10045-97-3	U		0.019	0.113	U	GAM
Europium-152	14683-23-9	U		0.169	0.130	U	GAM
Europium-154	15585-10-1	U		0.068	0.230	U	GAM
Thallium-208	14913-50-9	0.073	0.025	0.018			GAM
Lead-210	14255-04-0	U		1.39		U	GAM
Bismuth-212	14913-49-6	0.340	0.23	0.219			GAM
Lead-212	15092-94-1	0.224	0.050	0.027			GAM
Bismuth-214	14733-03-0	0.159	0.053	0.032			GAM
Lead-214	15067-28-4	0.191	0.052	0.035			GAM
Radium-226	13982-63-3	0.155	0.052	0.032	1.00		GAM
Actinium-228	14331-83-0	U		0.095		U	GAM
Thorium-230	14269-63-7	U		3.64		U	GAM
Thorium-232	7440-29-1	0.209	0.088	0.076	1.69		GAM
Protactinium-234m	378783-76-7	U		3.35		U	GAM
Thorium-234	15065-10-8	U		0.013		U	GAM
Uranium-235	15117-96-1	U		0.078	0.195	U	GAM
Americium-241	14596-10-2	U		0.076		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	10/31/06

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP 88327

8832-009 6PBFS-012-12

DATA SHEET

SDG	8832	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611028-09	Client sample id	6PBFS-012-12
Dept sample id	8832-009	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	09/27/06 10:50 426 g
		Custody/Proj. No.	40303 CTO_6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	7.79	2.4	0.204			GAM
Cobalt-60	10198-40-0	U		0.019	0.036	U	GAM
Cesium-137	10045-97-3	U		0.017	0.113	U	GAM
Europium-152	14683-23-9	U		0.166	0.130	U	GAM
Europium-154	15585-10-1	U		0.062	0.230	U	GAM
Thallium-208	14913-50-9	0.072	0.023	0.016			GAM
Lead-210	14255-04-0	U		1.28		U	GAM
Bismuth-212	14913-49-6	U		0.249		U	GAM
Lead-212	15092-94-1	0.238	0.052	0.028			GAM
Bismuth-214	14733-03-0	0.174	0.051	0.033			GAM
Lead-214	15067-28-4	0.174	0.047	0.030			GAM
Radium-226	13982-63-3	0.169	0.050	0.032	1.00		GAM
Actinium-228	14331-83-0	U		0.089		U	GAM
Thorium-230	14269-63-7	U		3.38		U	GAM
Thorium-232	7440-29-1	0.231	0.10	0.080	1.69		GAM
Protactinium-234m	378783-76-7	U		3.09		U	GAM
Thorium-234	15065-10-8	U		0.012		U	GAM
Uranium-235	15117-96-1	U		0.072	0.195	U	GAM
Americium-241	14596-10-2	U		0.071		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/05/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8813

8813-006 6PBFS-012-15

DATA SHEET

SDG	8813	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R610028-06	Client sample id	6PBFS-012-15
Dept sample id	8813-006	Location/Matrix	HPS-IR07 SOIL
Received	10/05/06	Collected/Weight	09/27/06 11:20 296 g
		Custody/Proj. No.	22125 CTO 6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	2.09	0.65	0.348			GAM
Cobalt-60	10198-40-0	U		0.031	0.036	U	GAM
Cesium-137	10045-97-3	U		0.032	0.113	U	GAM
Europium-152	14683-23-9	U		0.339	0.130	U	GAM
Europium-154	15585-10-1	U		0.122	0.230	U	GAM
Thallium-208	14913-50-9	0.028	0.027	0.032		U	GAM
Lead-210	14255-04-0	0.520	0.40	0.538		U	GAM
Bismuth-212	14913-49-6	U		0.457		U	GAM
Lead-212	15092-94-1	0.072	0.040	0.050			GAM
Bismuth-214	14733-03-0	0.204	0.088	0.079			GAM
Lead-214	15067-28-4	0.164	0.071	0.075			GAM
Radium-226	13982-63-3	0.198	0.085	0.077	1.00		GAM
Actinium-228	14331-83-0	U		0.162		U	GAM
Thorium-230	14269-63-7	U		3.70		U	GAM
Thorium-232	7440-29-1	0.153	0.13	0.147	1.69		GAM
Protactinium-234m	378783-76-7	U		4.78		U	GAM
Thorium-234	15065-10-8	U		0.023		U	GAM
Uranium-235	15117-96-1	U		0.163	0.195	U	GAM
Americium-241	14596-10-2	U		0.050		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	11/02/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8883

8883-003 6PBOPA12-005-050-01

DATA SHEET

SDG	8883	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R608182-03	Client sample id	6PBOPA12-005-050-01
Dept sample id	8883-003	Location/Matrix	HPS-IR07 SOIL
Received	08/24/06	Collected/Weight	08/19/06 10:10 357 g
		Custody/Proj. No.	22404 CTO_6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	5.04	1.5	0.344			GAM
Cobalt-60	10198-40-0	U		0.042	0.036	U	GAM
Cesium-137	10045-97-3	U		0.035	0.113	U	GAM
Europium-152	14683-23-9	U		0.285	0.130	U	GAM
Europium-154	15585-10-1	U		0.102	0.230	U	GAM
Thallium-208	14913-50-9	0.131	0.045	0.037			GAM
Lead-210	14255-04-0	U		2.24		U	GAM
Bismuth-212	14913-49-6	0.333	0.32	0.396		U	GAM
Lead-212	15092-94-1	0.410	0.084	0.060			GAM
Bismuth-214	14733-03-0	0.283	0.084	0.070			GAM
Lead-214	15067-28-4	0.291	0.080	0.068			GAM
Radium-226	13982-63-3	0.274	0.081	0.068	1.00		GAM
Actinium-228	14331-83-0	U		0.207		U	GAM
Thorium-232	7440-29-1	0.435	0.19	0.162	1.69		GAM
Protactinium-234m	378783-76-7	U		5.43		U	GAM
Thorium-234	15065-10-8	U		0.024		U	GAM
Uranium-235	15117-96-1	U		0.141	0.195	U	GAM
Americium-241	14596-10-2	U		0.118		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	09/29/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8885

8885-005 6PBOPA12-005-050-04

DATA SHEET

SDG	8885	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R608184-05	Client sample id	6PBOPA12-005-050-04
Dept sample id	8885-005	Location/Matrix	HPS-IR07 SOIL
Received	08/24/06	Collected/Weight	08/19/06 10:40 342 g
		Custody/Proj. No.	22416 CTO_6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	5.88	0.92	1.11			GAM
Cobalt-60	10198-40-0	U		0.043	0.036	U	GAM
Cesium-137	10045-97-3	U		0.037	0.113	U	GAM
Europium-152	14683-23-9	U		0.371	0.130	U	GAM
Europium-154	15585-10-1	U		0.132	0.230	U	GAM
Thallium-208	14913-50-9	0.081	0.041	0.033			GAM
Lead-210	14255-04-0	U		2.30		U	GAM
Bismuth-212	14913-49-6	U		0.550		U	GAM
Lead-212	15092-94-1	0.226	0.072	0.056			GAM
Bismuth-214	14733-03-0	0.225	0.088	0.070			GAM
Lead-214	15067-28-4	0.192	0.076	0.069			GAM
Radium-226	13982-63-3	0.218	0.086	0.068	1.00		GAM
Actinium-228	14331-83-0	U		0.190		U	GAM
Thorium-230	14269-63-7	U		6.79		U	GAM
Thorium-232	7440-29-1	0.256	0.15	0.149	1.69		GAM
Protactinium-234m	378783-76-7	U		6.55		U	GAM
Thorium-234	15065-10-8	U		0.023		U	GAM
Uranium-235	15117-96-1	U		0.145	0.195	U	GAM
Americium-241	14596-10-2	U		0.135		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	10/02/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 88327

8832-010 6PBOPA07-005-053-01

DATA SHEET

SDG	8832	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611028-10	Client sample id	6PBOPA07-005-053-01
Dept sample id	8832-010	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	08/23/06 11:00 355 g
		Custody/Proj. No.	40303 CTO_6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	8.99	1.4	0.188			GAM
Cobalt-60	10198-40-0	U		0.018	0.036	U	GAM
Cesium-137	10045-97-3	U		0.016	0.113	U	GAM
Europium-152	14683-23-9	U		0.154	0.130	U	GAM
Europium-154	15585-10-1	U		0.058	0.230	U	GAM
Thallium-208	14913-50-9	0.145	0.030	0.020			GAM
Lead-210	14255-04-0	U		2.62		U	GAM
Bismuth-212	14913-49-6	0.502	0.23	0.252			GAM
Lead-212	15092-94-1	0.426	0.068	0.022			GAM
Bismuth-214	14733-03-0	0.303	0.060	0.040			GAM
Lead-214	15067-28-4	0.362	0.066	0.040			GAM
Radium-226	13982-63-3	0.295	0.058	0.039	1.00		GAM
Actinium-228	14331-83-0	U		0.111		U	GAM
Thorium-230	14269-63-7	U		3.34		U	GAM
Thorium-232	7440-29-1	0.580	0.13	0.082	1.69		GAM
Protactinium-234m	378783-76-7	U		2.80		U	GAM
Thorium-234	15065-10-8	U		0.012		U	GAM
Uranium-235	15117-96-1	U		0.067	0.195	U	GAM
Americium-241	14596-10-2	U		0.075		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/05/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8833

8833-005 6PBOPA07-005-053-14

DATA SHEET

SDG	8833	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611029-05	Client sample id	6PBOPA07-005-053-14
Dept sample id	8833-005	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	08/23/06 13:30 363 g
		Custody/Proj. No.	40307 CTO_6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	7.35	1.3	0.358			GAM
Cobalt-60	10198-40-0	U		0.033	0.036	U	GAM
Cesium-137	10045-97-3	U		0.032	0.113	U	GAM
Europium-152	14683-23-9	U		0.278	0.130	U	GAM
Europium-154	15585-10-1	U		0.104	0.230	U	GAM
Thallium-208	14913-50-9	0.168	0.046	0.039			GAM
Lead-210	14255-04-0	U		3.34		U	GAM
Bismuth-212	14913-49-6	0.652	0.33	0.376			GAM
Lead-212	15092-94-1	0.524	0.088	0.039			GAM
Bismuth-214	14733-03-0	0.453	0.094	0.064			GAM
Lead-214	15067-28-4	0.421	0.086	0.063			GAM
Radium-226	13982-63-3	0.440	0.091	0.062	1.00		GAM
Actinium-228	14331-83-0	U		0.207		U	GAM
Thorium-230	14269-63-7	U		5.93		U	GAM
Thorium-232	7440-29-1	0.542	0.17	0.152	1.69		GAM
Protactinium-234m	378783-76-7	U		4.78		U	GAM
Thorium-234	15065-10-8	U		0.022		U	GAM
Uranium-235	15117-96-1	U		0.122	0.195	U	GAM
Americium-241	14596-10-2	U		0.132		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/06/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8833

8833-006 6PBOPA16-004-060-03

DATA SHEET

SDG	8833	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611029-06	Client sample id	6PBOPA16-004-060-03
Dept sample id	8833-006	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	08/29/06 14:20 307 g
		Custody/Proj. No.	40307 CTO 6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	5.70	1.0	0.382			GAM
Cobalt-60	10198-40-0	U		0.031	0.036	U	GAM
Cesium-137	10045-97-3	U		0.027	0.113	U	GAM
Europium-152	14683-23-9	U		0.254	0.130	U	GAM
Europium-154	15585-10-1	U		0.099	0.230	U	GAM
Thallium-208	14913-50-9	0.099	0.034	0.033			GAM
Lead-210	14255-04-0	0.535	0.30	0.402			GAM
Bismuth-212	14913-49-6	0.742	0.42	0.428			GAM
Lead-212	15092-94-1	0.384	0.082	0.063			GAM
Bismuth-214	14733-03-0	0.266	0.066	0.055			GAM
Lead-214	15067-28-4	0.332	0.077	0.061			GAM
Radium-226	13982-63-3	0.259	0.063	0.054	1.00		GAM
Actinium-228	14331-83-0	U		0.163		U	GAM
Thorium-230	14269-63-7	U		2.39		U	GAM
Thorium-232	7440-29-1	0.368	0.17	0.132	1.69		GAM
Protactinium-234m	378783-76-7	U		4.76		U	GAM
Thorium-234	15065-10-8	U		0.016		U	GAM
Uranium-235	15117-96-1	U		0.118	0.195	U	GAM
Americium-241	14596-10-2	U		0.034		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/06/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8833

8833-007 6PBOPA16-004-060-12

DATA SHEET

SDG	8833	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611029-07	Client sample id	6PBOPA16-004-060-12
Dept sample id	8833-007	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	08/29/06 15:50 389 g
		Custody/Proj. No.	40307 CTO 6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	6.25	1.9	0.271			GAM
Cobalt-60	10198-40-0	U		0.032	0.036	U	GAM
Cesium-137	10045-97-3	U		0.025	0.113	U	GAM
Europium-152	14683-23-9	U		0.222	0.130	U	GAM
Europium-154	15585-10-1	U		0.083	0.230	U	GAM
Thallium-208	14913-50-9	0.082	0.029	0.024			GAM
Lead-210	14255-04-0	U		1.79		U	GAM
Bismuth-212	14913-49-6	0.445	0.31	0.352			GAM
Lead-212	15092-94-1	0.268	0.057	0.035			GAM
Bismuth-214	14733-03-0	0.235	0.087	0.060			GAM
Lead-214	15067-28-4	0.258	0.078	0.057			GAM
Radium-226	13982-63-3	0.228	0.084	0.058	1.00		GAM
Actinium-228	14331-83-0	U		0.158		U	GAM
Thorium-230	14269-63-7	U		4.83		U	GAM
Thorium-232	7440-29-1	0.388	0.15	0.123	1.69		GAM
Protactinium-234m	378783-76-7	U		4.57		U	GAM
Thorium-234	15065-10-8	U		0.019		U	GAM
Uranium-235	15117-96-1	U		0.105	0.195	U	GAM
Americium-241	14596-10-2	U		0.094		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/06/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8833

8833-008 6PBOPA10-006-069-13

DATA SHEET

SDG	8833	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611029-08	Client sample id	6PBOPA10-006-069-13
Dept sample id	8833-008	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	09/01/06 12:00 291 g
		Custody/Proj. No.	40307 CTO_6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	5.06	0.89	0.376			GAM
Cobalt-60	10198-40-0	U		0.030	0.036	U	GAM
Cesium-137	10045-97-3	U		0.025	0.113	U	GAM
Europium-152	14683-23-9	U		0.230	0.130	U	GAM
Europium-154	15585-10-1	U		0.098	0.230	U	GAM
Thallium-208	14913-50-9	0.074	0.026	0.024			GAM
Lead-210	14255-04-0	0.508	0.21	0.257			GAM
Bismuth-212	14913-49-6	0.315	0.31	0.372		U	GAM
Lead-212	15092-94-1	0.153	0.032	0.023			GAM
Bismuth-214	14733-03-0	0.269	0.067	0.047			GAM
Lead-214	15067-28-4	0.188	0.047	0.038			GAM
Radium-226	13982-63-3	0.261	0.065	0.046	1.00		GAM
Actinium-228	14331-83-0	U		0.137		U	GAM
Thorium-230	14269-63-7	U		1.63		U	GAM
Thorium-232	7440-29-1	0.324	0.14	0.132	1.69		GAM
Protactinium-234m	378783-76-7	U		4.70		U	GAM
Thorium-234	15065-10-8	U		0.007		U	GAM
Uranium-235	15117-96-1	U		0.051	0.195	U	GAM
Americium-241	14596-10-2	U		0.023		U	GAM

Gamma Spec. Method - EPA 901.1

Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/06/06

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP 8833

8833-009 6PBOPA10-006-069-16

DATA SHEET

SDG	8833	Client	Tetra Tech EC, Inc.
Contact	Melissa C. Mannion	Contract	59371
Lab sample id	R611029-09	Client sample id	6PBOPA10-006-069-16
Dept sample id	8833-009	Location/Matrix	HPS-IR07 SOIL
Received	11/03/06	Collected/Weight	09/01/06 12:30 329 g
		Custody/Proj. No.	40307 CTO 6

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (TOTAL)	MDA pCi/g	RDL pCi/g	QUALI-FIERS	TEST
Potassium-40	13966-00-2	5.45	0.83	0.552			GAM
Cobalt-60	10198-40-0	U		0.022	0.036	U	GAM
Cesium-137	10045-97-3	U		0.018	0.113	U	GAM
Europium-152	14683-23-9	U		0.172	0.130	U	GAM
Europium-154	15585-10-1	U		0.065	0.230	U	GAM
Thallium-208	14913-50-9	0.059	0.027	0.017			GAM
Lead-210	14255-04-0	U		1.33		U	GAM
Bismuth-212	14913-49-6	U		0.264		U	GAM
Lead-212	15092-94-1	0.275	0.060	0.027			GAM
Bismuth-214	14733-03-0	0.178	0.060	0.036			GAM
Lead-214	15067-28-4	0.183	0.056	0.034			GAM
Radium-226	13982-63-3	0.173	0.058	0.035	1.00		GAM
Actinium-228	14331-83-0	U		0.094		U	GAM
Thorium-230	14269-63-7	U		3.48		U	GAM
Thorium-232	7440-29-1	0.223	0.12	0.083	1.69		GAM
Protactinium-234m	378783-76-7	U		3.17		U	GAM
Thorium-234	15065-10-8	U		0.012		U	GAM
Uranium-235	15117-96-1	U		0.071	0.195	U	GAM
Americium-241	14596-10-2	U		0.073		U	GAM

Gamma Spec. Method - EPA 901.1

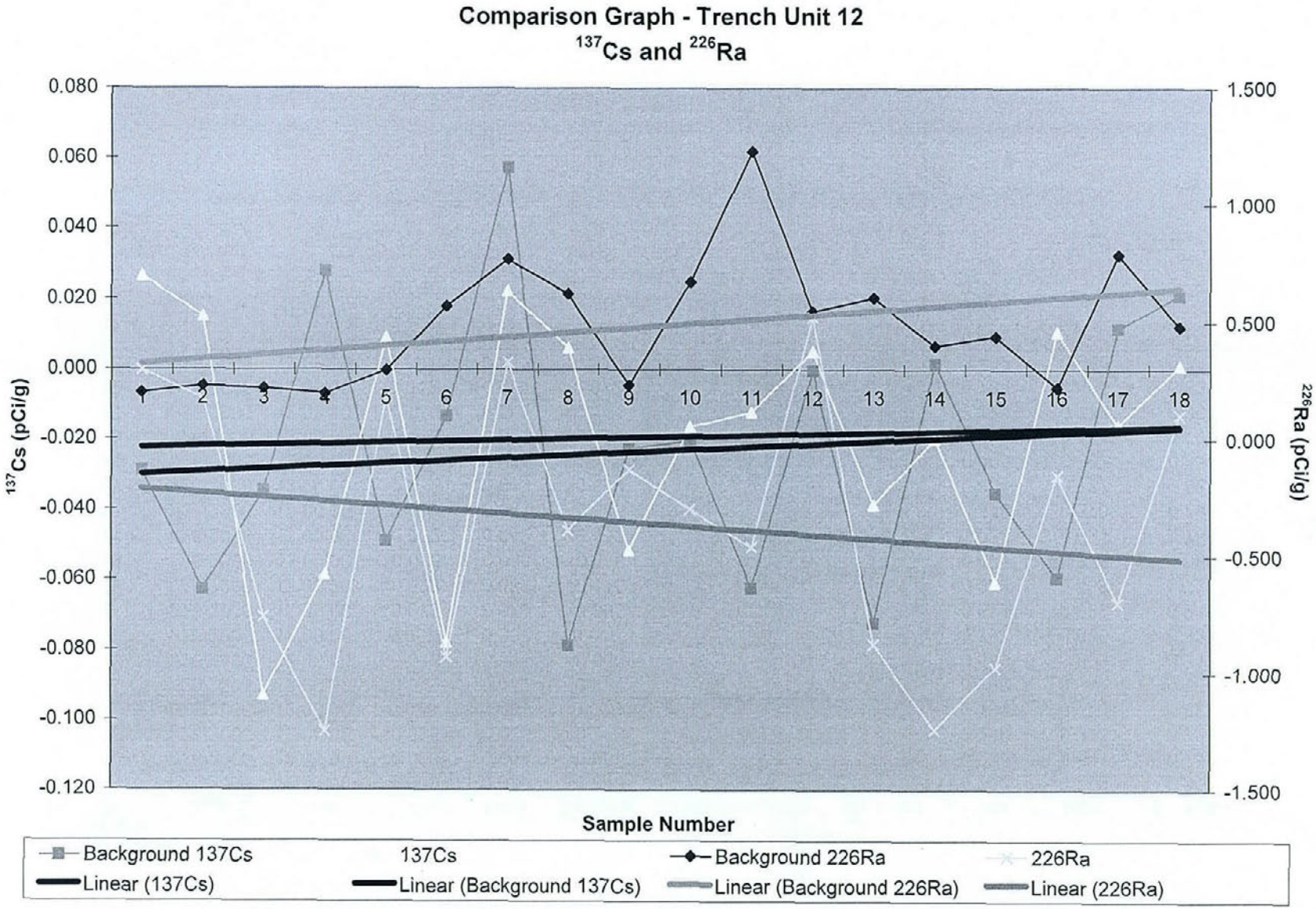
Lab id	EBERL
Protocol	TTFW-CTO6
Version	Ver 1.0
Form	DVD-DS
Version	3.06
Report date	12/06/06

ATTACHMENT 6

RESULTS OF THE STATISTICAL TESTS
TRENCH UNIT 12

Summary of Soil Sample Measurements

Sample No.	Bkgd						6PBFS-012					
	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total
1	-0.029	-0.043			0.202	0.813	0.027	0.035			0.297	0.819
2	-0.063	-0.265			0.230	0.740	0.015	0.045			0.175	1.025
3	-0.035	-0.219			0.219	0.726	-0.093	193.070			-0.758	-2.977
4	0.028	0.036			0.198	0.885	-0.059	137.210			-1.248	-7.947
5	-0.049	-0.124	-0.204	0.194	0.296	0.754	0.009	0.030			0.182	0.961
6	-0.013	-0.066	-0.123	0.194	0.569	0.718	-0.078	147.250			-0.929	-2.986
7	0.057	0.040			0.767	0.839	0.022	0.034			0.331	0.918
8	-0.079	-0.355			0.621	0.715	0.006	0.055	-0.049	0.190	-0.390	-1.777
9	-0.023	-0.115			0.233	0.728	-0.052	-3.650			-0.130	-1.311
10	-0.020	-0.056			0.671	1.088	-0.016	-0.062			-0.298	-1.762
11	-0.062	-0.153			1.228	0.789	-0.012	-0.070			-0.460	-1.828
12	0.000	-0.045			0.548	0.708	0.005	0.023			0.523	0.753
13	-0.072	-0.374			0.604	0.881	-0.039	-0.103			-0.872	-3.417
14	0.002	0.041			0.400	0.938	-0.020	-0.091			-1.239	-9.096
15	-0.035	-0.251			0.442	0.729	-0.060	-0.387			-0.973	-3.706
16	-0.059	-0.124			0.224	0.901	0.011	0.024			-0.154	-1.031
17	0.012	0.032			0.788	0.835	-0.016	-0.067			-0.695	-2.675
18	0.021	0.036			0.482	0.715	0.001	0.027	0.036	0.175	0.106	0.891
Mean	-0.023	-0.111	-0.164	0.194	0.485	0.806	-0.019	26.299	-0.007	0.183	-0.363	-1.952


Comparison Graph - Trench Unit 12
137Cs and 226Ra
0.080
0.060
0.040
0.020
0.000
-0.020
-0.040
-0.060
-0.080
-0.100
-0.120
137Cs (pCi/g)
1.500
1.000
0.500
0.000
-0.500
-1.000
-1.500
226Ra (pCi/g)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Sample Number
Background 137Cs
137Cs
Background 226Ra
226Ra
Linear (137Cs)
Linear (Background 137Cs)
Linear (Background 226Ra)
Linear (226Ra)

Reference Area Soil Measurements

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	4/26/2006	12:00:00	-0.029	0.038	-0.043				0.202	0.700	0.813
2	4/26/2006	12:00:00	-0.063	0.044	-0.265				0.230	0.641	0.740
3	4/26/2006	12:00:00	-0.035	0.036	-0.219				0.219	0.633	0.726
4	4/26/2006	12:00:00	0.028	0.033	0.036				0.198	0.773	0.885
5	4/26/2006	12:00:00	-0.049	0.042	-0.124	-0.204	0.194	0.220	0.296	0.647	0.754
6	4/26/2006	12:00:00	-0.013	0.036	-0.066	-0.123	0.194	0.171	0.569	0.609	0.718
7	4/26/2006	12:00:00	0.057	0.033	0.040				0.767	0.669	0.839
8	4/26/2006	12:00:00	-0.079	0.040	-0.355				0.621	0.597	0.715
9	4/26/2006	12:00:00	-0.023	0.039	-0.115				0.233	0.633	0.728
10	4/26/2006	12:00:00	-0.020	0.038	-0.056				0.671	0.876	1.088
11	4/26/2006	12:00:00	-0.062	0.042	-0.153				1.228	0.621	0.789
12	4/26/2006	12:00:00	0.000	0.041	-0.045				0.548	0.570	0.708
13	4/26/2006	12:00:00	-0.072	0.049	-0.374				0.604	0.737	0.881
14	4/26/2006	12:00:00	0.002	0.040	0.041				0.400	0.807	0.938
15	4/26/2006	12:00:00	-0.035	0.042	-0.251				0.442	0.594	0.729
16	4/26/2006	12:00:00	-0.059	0.045	-0.124				0.224	0.777	0.901
17	4/26/2006	12:00:00	0.012	0.031	0.032				0.788	0.665	0.835
18	4/26/2006	12:00:00	0.021	0.033	0.036				0.482	0.580	0.715
		mean	**-0.023**			**-0.164**			**0.485**		
		std dev	**0.038**			**0.057**			**0.274**		
		median	**-0.026**			**-0.164**			**0.462**		

Class 1 Soil Measurements - Trench Survey Unit 12

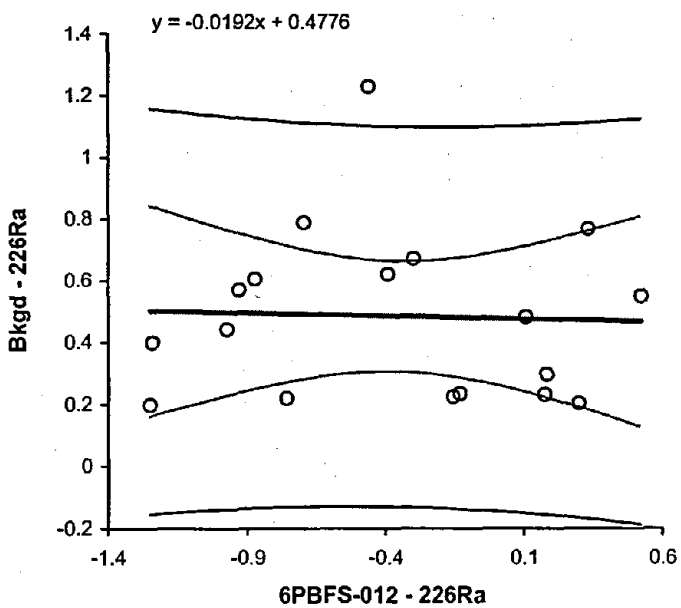
Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	9/27/2006	9:00:00	0.0265	0.026	0.035				0.297	0.737	0.819
2	9/27/2006	9:10:00	0.0150	0.042	0.045				0.175	0.908	1.025
3	9/27/2006	9:20:00	-0.0930	0.064	193.070				-0.758	1.180	-2.977
4	9/27/2006	9:30:00	-0.0585	0.044	137.210				-1.248	1.020	-7.947
5	9/27/2006	9:40:00	0.0090	0.025	0.030				0.182	0.881	0.961
6	9/27/2006	9:50:00	-0.0776	0.056	147.250				-0.929	1.040	-2.986
7	9/27/2006	10:00:00	0.0222	0.026	0.034				0.331	0.701	0.918
8	9/27/2006	10:10:00	0.0061	0.055	0.055	-0.049	0.136	0.190	-0.390	1.080	-1.777
9	9/27/2006	10:20:00	-0.0517	0.045	-3.650				-0.130	0.976	-1.311
10	9/27/2006	10:30:00	-0.0163	0.044	-0.062				-0.298	1.050	-1.762
11	9/27/2006	10:40:00	-0.0120	0.052	-0.070				-0.460	1.050	-1.828
12	9/27/2006	10:50:00	0.0053	0.019	0.023				0.523	0.667	0.753
13	9/27/2006	11:00:00	-0.0385	0.049	-0.103				-0.872	1.060	-3.417
14	9/27/2006	11:10:00	-0.0197	0.047	-0.091				-1.239	0.991	-9.096
15	9/27/2006	11:20:00	-0.0605	0.040	-0.387				-0.973	1.090	-3.706
16	9/27/2006	11:30:00	0.0107	0.020	0.024				-0.154	0.773	-1.031
17	9/27/2006	11:40:00	-0.0159	0.048	-0.067				-0.695	0.980	-2.675
18	9/27/2006	11:50:00	0.0011	0.024	0.027	0.036	0.159	0.175	0.106	0.814	0.891
		mean	**-0.0193**			**-0.007**			**-0.363**		
		std dev	**0.0359**			**0.060**			**0.563**		
		median	**-0.0140**			**-0.007**			**-0.344**		

Test	Linear regression
	Bkgd - 226Ra v 6PBFS-012 - 226Ra
Performed by	Daryl DeLong
Date	2 October 2006

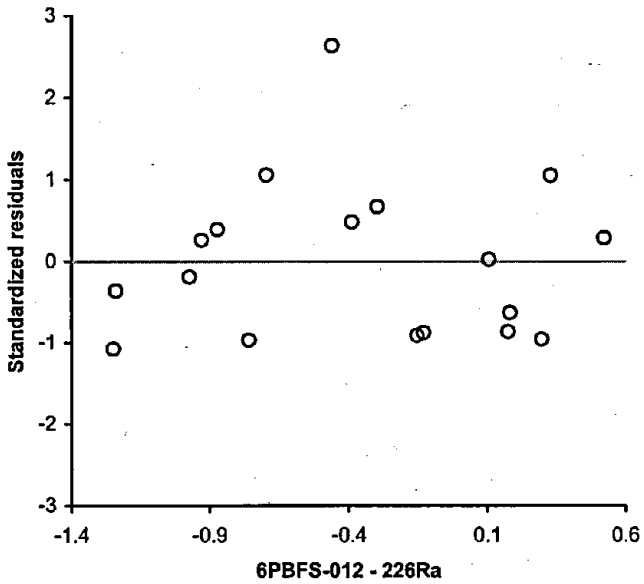
n	18
R^2	0.00
Adjusted R^2	-0.06
SE	0.2823

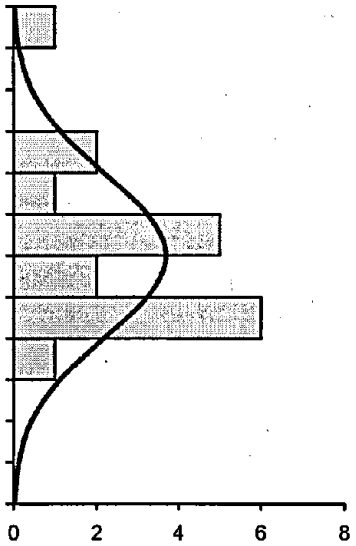
Term	Coefficient	SE	p	95% CI of Coefficient
Intercept	0.4776	0.0798	<0.0001	0.3083 to 0.6468
Slope	-0.0192	0.1216	0.8762	-0.2770 to 0.2385

Source of variation	SSq	DF	MSq	F	p
Due to regression	0.0020	1	0.0020	0.03	0.8762
About regression	1.2748	16	0.0797		
Total	1.2768	17			

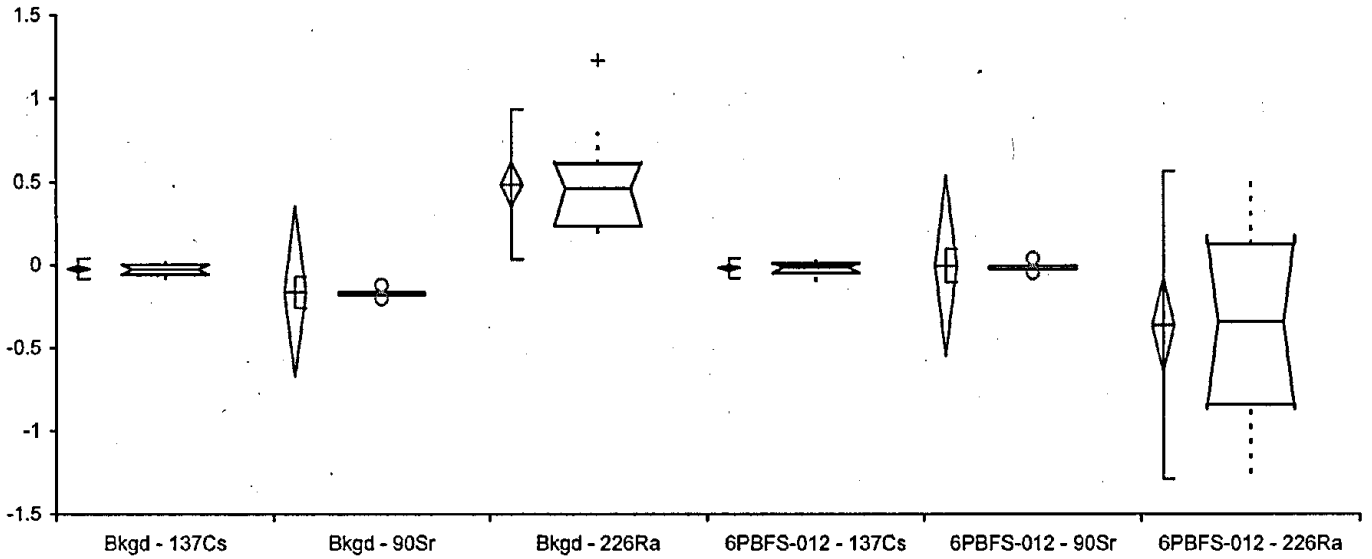


Test	**Linear regression**
	Bkgd - 226Ra v 6PBFS-012 - 226Ra
Performed by	Daryl DeLong
Date	2 October 2006





Test	**Comparative descriptives**
	Bkgd - 137Cs, Bkgd - 90Sr, Bkgd - 226Ra, 6PBFS-012 - 137Cs, 6PBFS-012 - 90Sr, 6PBFS-012 - 226Ra
Performed by	Daryl DeLong
Date	2 October 2006



	n	Mean	SD	SE	95% CI of Mean	Median	IQR	95% CI of Median
Bkgd - 137Cs	18	-0.0233	0.03782	0.00891	-0.0422 to -0.0045	-0.0258	0.0571	-0.0594 to 0.0017
Bkgd - 90Sr	2	-0.1635	0.05728	0.04050	-0.6781 to 0.3511	-0.1635	0.0000	- to -
Bkgd - 226Ra	18	0.4846	0.27405	0.06459	0.3483 to 0.6209	0.4617	0.3776	0.2301 to 0.6207
6PBFS-012 - 137Cs	18	-0.0193	0.03591	0.00846	-0.0372 to -0.0015	-0.0140	0.0552	-0.0517 to 0.0090
6PBFS-012 - 90Sr	2	-0.0065	0.06010	0.04250	-0.5465 to 0.5335	-0.0065	0.0000	- to -
6PBFS-012 - 226Ra	18	-0.3631	0.56309	0.13272	-0.6431 to -0.0830	-0.3443	0.9669	-0.8721 to 0.1748

WRS TEST Measurements - Unity Rule for Soil - Trench Survey Unit 12											
	Reference Area			Survey Unit			Weighted Sum			Ranks	
Count No.	^{137}Cs	^{90}Sr	^{226}Ra	^{137}Cs	^{90}Sr	^{226}Ra	*Ref*	*Survey*	*Adj Ref*	*Survey*	*Adj Ref*
1	-0.029		0.202	0.027		0.297	-0.187	0.496	0.813	21	26
2	-0.063		0.230	0.015		0.175	-0.546	0.285	0.454	15	18
3	-0.035		0.219	-0.093		-0.758	-0.238	-1.548	0.762	1	25
4	0.028		0.198	-0.059		-1.248	0.444	-1.493	1.444	2	33
5	-0.049	-0.204	0.296	0.009		0.182	-1.565	0.223	-0.565	14	9
6	-0.013	-0.123	0.569	-0.078		-0.929	-0.499	-1.492	0.501	3	22
7	0.057		0.767	0.022		0.331	1.153	0.471	2.153	19	36
8	-0.079		0.621	0.006	-0.049	-0.390	-0.459	-0.487	0.541	10	23
9	-0.023		0.233	-0.052		-0.130	-0.096	-0.664	0.904	7	27
10	-0.020		0.671	-0.016		-0.298	0.224	-0.383	1.224	12	30
11	-0.062		1.228	-0.012		-0.460	0.132	-0.444	1.132	11	29
12	0.000		0.548	0.005		0.523	0.366	0.412	1.366	17	32
13	-0.072		0.604	-0.039		-0.872	-0.397	-1.017	0.603	6	24
14	0.002		0.400	-0.020		-1.239	0.289	-1.055	1.289	5	31
15	-0.035		0.442	-0.060		-0.973	-0.094	-1.330	0.906	4	28
16	-0.059		0.224	0.011		-0.154	-0.512	0.016	0.488	13	20
17	0.012		0.788	-0.016		-0.695	0.661	-0.646	1.661	8	35
18	0.021		0.482	0.001	0.036	0.106	0.558	0.299	1.558	16	34
Avg	-0.023	-0.164	0.485	-0.019	-0.007	-0.363	-0.042	-0.46	0.96	**184**	**482**
Std Dev	0.038	0.057	0.274	0.036	0.060	0.563	0.607	0.73	0.61		
										Critical Value =	**385**

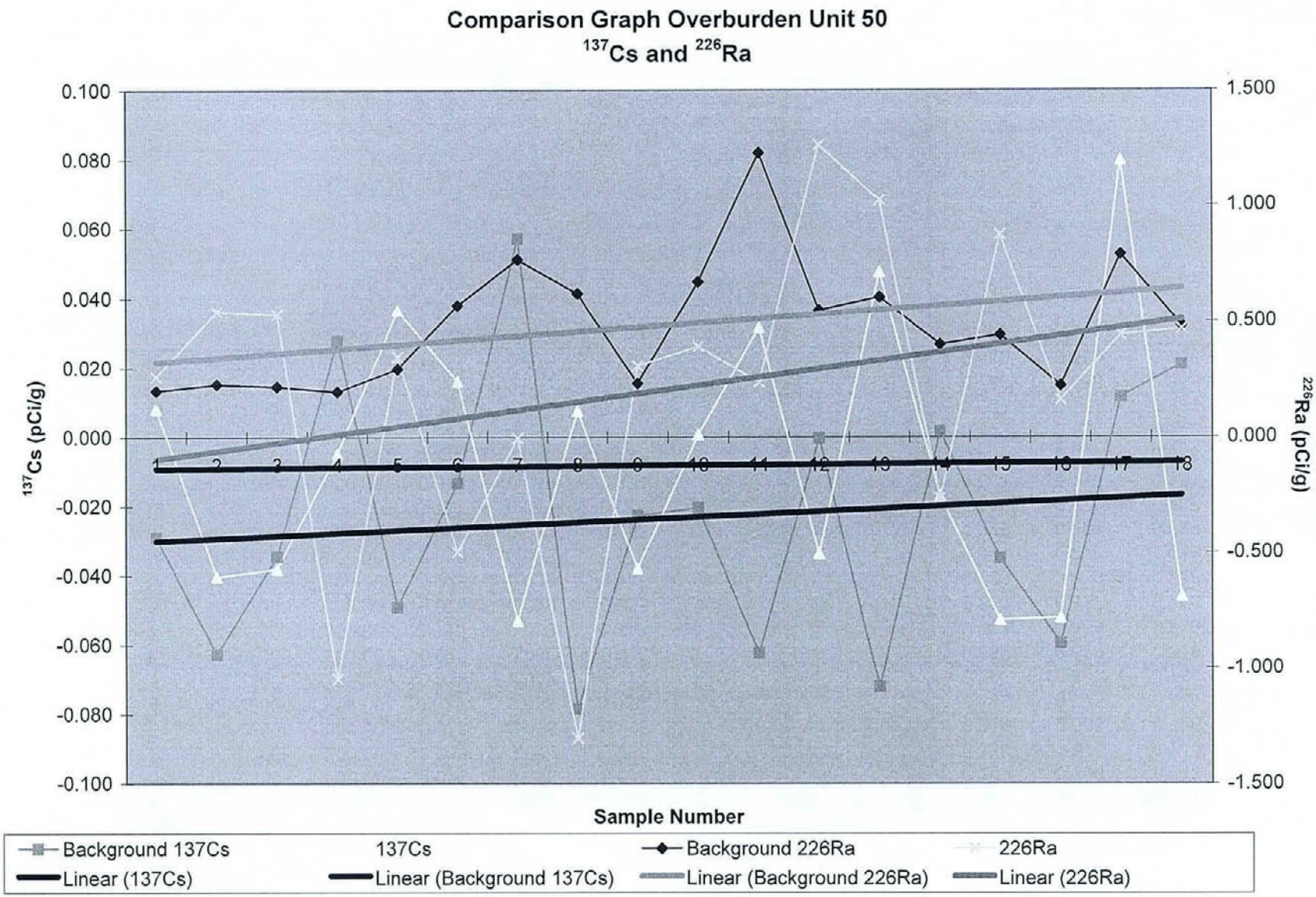
Reject the null hypothesis - the survey unit meets the release criterion.
Estimated dose or risk due to residual activity in survey unit is less than release criterion.

ATTACHMENT 7

RESULTS OF THE STATISTICAL TESTS OVERBURDEN UNIT 50

Summary of Soil Sample Measurements - Overburden Unit 50

Sample No.	Bkgd						6PBOPA12-005-050					
	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total
1	-0.029	-0.043			0.202	0.813	0.008	0.048			0.263	1.492
2	-0.063	-0.265			0.230	0.740	-0.040	-0.167			0.543	1.154
3	-0.035	-0.219			0.219	0.726	-0.038	-0.155			0.530	0.862
4	0.028	0.036			0.198	0.885	-0.005	-0.065			-1.048	-5.682
5	-0.049	-0.124	-0.204	0.220	0.296	0.754	0.037	0.069			0.347	1.320
6	-0.013	-0.066	-0.123	0.171	0.569	0.718	0.016	0.071	-0.045	0.110	-0.498	-2.261
7	0.057	0.040			0.767	0.839	-0.053	-0.760			-0.004	-1.339
8	-0.079	-0.355			0.621	0.715	0.008	0.052			-1.303	-7.010
9	-0.023	-0.115			0.233	0.728	-0.038	-0.228			0.309	1.182
10	-0.020	-0.056			0.671	1.088	0.001	0.056			0.391	1.044
11	-0.062	-0.153			1.228	0.789	0.032	0.052			0.238	1.400
12	0.000	-0.045			0.548	0.708	-0.034	-0.217			1.262	1.207
13	-0.072	-0.374			0.604	0.881	0.048	0.066			1.023	1.140
14	0.002	0.041			0.400	0.938	-0.017	-0.070			-0.266	-1.665
15	-0.035	-0.251			0.442	0.729	-0.053	126.940			0.875	1.162
16	-0.059	-0.124			0.224	0.901	-0.052	-0.326	0.000	0.000	0.162	1.342
17	0.012	0.032			0.788	0.835	0.080	0.051			0.443	1.077
18	0.021	0.036			0.482	0.715	-0.046	-0.353			0.467	1.225
Mean	-0.023	-0.111	-0.164	0.196	0.485	0.806	-0.008	6.948	-0.023	0.055	0.207	-0.131


Comparison Graph Overburden Unit 50
137Cs and 226Ra
0.100
0.080
0.060
0.040
0.020
0.000
-0.020
-0.040
-0.060
-0.080
-0.100
137Cs (pCi/g)
1.500
1.000
0.500
0.000
-0.500
-1.000
-1.500
226Ra (pCi/g)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Sample Number
Background 137Cs
137Cs
Background 226Ra
226Ra
Linear (137Cs)
Linear (Background 137Cs)
Linear (Background 226Ra)
Linear (226Ra)

Reference Area Soil Measurements

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{228}Ra	MDA	2σ Total
			Results (pCi/g)								
1	4/26/2006	12:00:00	-0.029	0.038	-0.043				0.202	0.700	0.813
2	4/26/2006	12:00:00	-0.063	0.044	-0.265				0.230	0.641	0.740
3	4/26/2006	12:00:00	-0.035	0.036	-0.219				0.219	0.633	0.726
4	4/26/2006	12:00:00	0.028	0.033	0.036				0.198	0.773	0.885
5	4/26/2006	12:00:00	-0.049	0.042	-0.124	-0.204	0.194	0.220	0.296	0.647	0.754
6	4/26/2006	12:00:00	-0.013	0.036	-0.066	-0.123	0.194	0.171	0.569	0.609	0.718
7	4/26/2006	12:00:00	0.057	0.033	0.040				0.767	0.669	0.839
8	4/26/2006	12:00:00	-0.079	0.040	-0.355				0.621	0.597	0.715
9	4/26/2006	12:00:00	-0.023	0.039	-0.115				0.233	0.633	0.728
10	4/26/2006	12:00:00	-0.020	0.038	-0.056				0.671	0.876	1.088
11	4/26/2006	12:00:00	-0.062	0.042	-0.153				1.228	0.621	0.789
12	4/26/2006	12:00:00	0.000	0.041	-0.045				0.548	0.570	0.708
13	4/26/2006	12:00:00	-0.072	0.049	-0.374				0.604	0.737	0.881
14	4/26/2006	12:00:00	0.002	0.040	0.041				0.400	0.807	0.938
15	4/26/2006	12:00:00	-0.035	0.042	-0.251				0.442	0.594	0.729
16	4/26/2006	12:00:00	-0.059	0.045	-0.124				0.224	0.777	0.901
17	4/26/2006	12:00:00	0.012	0.031	0.032				0.788	0.665	0.835
18	4/26/2006	12:00:00	0.021	0.033	0.036				0.482	0.580	0.715
		mean	**-0.023**			**-0.164**			**0.485**		
		std dev	**0.038**			**0.057**			**0.274**		
		median	**-0.026**			**-0.164**			**0.462**		

Class 1 Soil Measurements - Overburden Unit 50

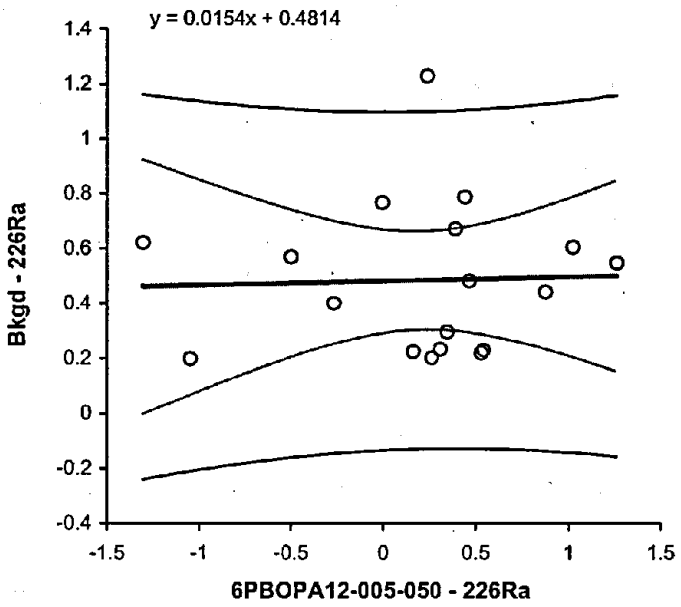
Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	8/19/2006	10:10:00	0.0083	0.039	0.048				0.263	1.290	1.492
2	8/19/2006	10:20:00	-0.0404	0.055	-0.167				0.543	1.000	1.154
3	8/19/2006	10:30:00	-0.0381	0.039	-0.155				0.530	0.754	0.862
4	8/19/2006	10:40:00	-0.0048	0.057	-0.065				-1.048	1.250	-5.682
5	8/19/2006	10:50:00	0.0366	0.043	0.069				0.347	1.140	1.320
6	8/19/2006	11:00:00	0.0162	0.063	0.071	-0.045	0.212	0.110	-0.498	1.130	-2.261
7	8/19/2006	11:10:00	-0.0530	0.048	-0.760				-0.004	1.160	-1.339
8	8/19/2006	11:20:00	0.0077	0.040	0.052				-1.303	1.310	-7.010
9	8/19/2006	11:30:00	-0.0380	0.044	-0.228				0.309	1.020	1.182
10	8/19/2006	11:40:00	0.0008	0.036	0.056				0.391	0.899	1.044
11	8/19/2006	11:50:00	0.0316	0.048	0.052				0.238	1.220	1.400
12	8/19/2006	12:00:00	-0.0336	0.051	-0.217				1.262	0.997	1.207
13	8/19/2006	12:10:00	0.0476	0.042	0.066				1.023	0.984	1.140
14	8/19/2006	12:20:00	-0.0170	0.048	-0.070				-0.266	1.060	-1.665
15	8/19/2006	12:30:00	-0.0527	0.040	126.940				0.875	0.975	1.162
16	8/19/2006	12:40:00	-0.0521	0.031	-0.326	0.000	0.226	0.000	0.162	1.170	1.342
17	8/19/2006	12:50:00	0.0797	0.026	0.051				0.443	0.934	1.077
18	8/19/2006	13:00:00	-0.0459	0.052	-0.353				0.467	1.070	1.225
		mean	**-0.008**			**-0.023**			**0.207**		
		std dev	**0.039**			**0.032**			**0.653**		
		median	**-0.011**			**-0.023**			**0.328**		

Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA12-005-050 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006

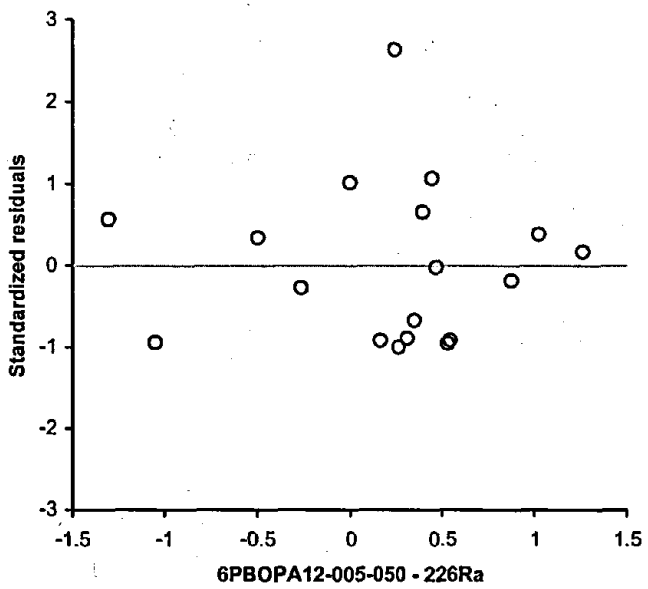
n	18
R^2	0.00
Adjusted R^2	-0.06
SE	0.2823

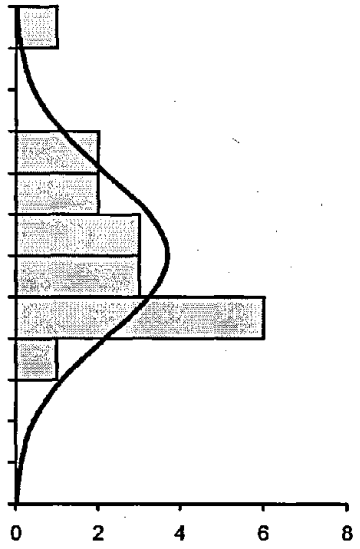
Term	Coefficient	SE	p	95% CI of Coefficient
Intercept	0.4814	0.0700	<0.0001	0.3330 to 0.6298
Slope	0.0154	0.1048	0.8851	-0.2068 to 0.2375

Source of variation	SSq	DF	MSq	F	p
Due to regression	0.0017	1	0.0017	0.02	0.8851
About regression	1.2750	16	0.0797		
Total	1.2768	17			



Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA12-005-050 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006

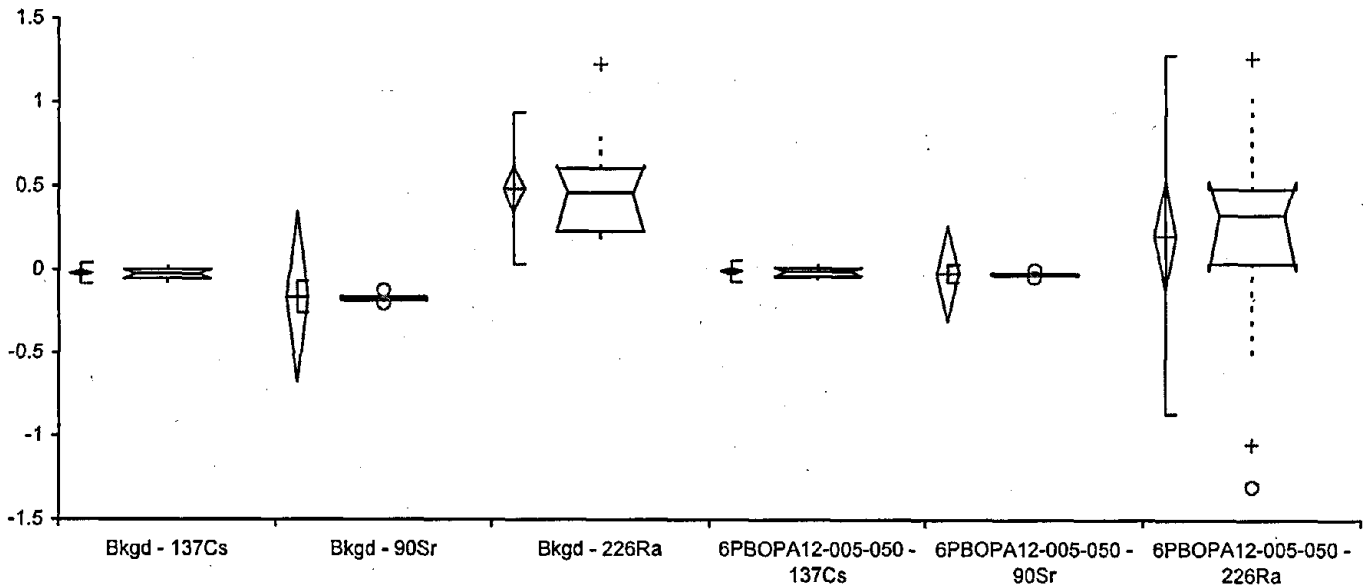




Test Comparative descriptives

Bkgd - 137Cs, Bkgd - 90Sr, Bkgd - 226Ra, 6PBOPA12-005-050 - 137Cs, 6PBOPA12-005-050 - 90Sr, 6PBOPA12-005-050 - 226Ra

Performed by Daryl DeLong **Date** 8 September 2006



	n	Mean	SD	SE	95% CI of Mean	Median	IQR	95% CI of Median
Bkgd - 137Cs	18	-0.0233	0.03782	0.00891	-0.0422 to -0.0045	-0.0258	0.0571	-0.0594 to 0.0017
Bkgd - 90Sr	2	-0.1635	0.05728	0.04050	-0.6781 to 0.3511	-0.1635	0.0000	- to -
Bkgd - 226Ra	18	0.4846	0.27405	0.06459	0.3483 to 0.6209	0.4617	0.3776	0.2301 to 0.6207
6PBOPA12-005-050 - 137Cs	18	-0.0082	0.03949	0.00931	-0.0278 to 0.0115	-0.0109	0.0501	-0.0404 to 0.0162
6PBOPA12-005-050 - 90Sr	2	-0.0225	0.03182	0.02250	-0.3084 to 0.2634	-0.0225	0.0000	- to -
6PBOPA12-005-050 - 226Ra	18	0.2073	0.65334	0.15399	-0.1176 to 0.5322	0.3281	0.4454	-0.0044 to 0.5300

WRS TEST Measurements - Unity Rule for Soil - Overburden Unit 50											
	Reference Area			Survey Unit			Weighted Sum			Ranks	
Count No.	^{137}Cs	^{90}Sr	^{226}Ra	^{137}Cs	^{90}Sr	^{226}Ra	*Ref*	*Survey*	*Adj Ref*	*Survey*	*Adj Ref*
1	-0.029		0.202	0.008		0.263	-0.187	0.269	0.813	13	24
2	-0.063		0.230	-0.040		0.543	-0.546	-0.085	0.454	10	15
3	-0.035		0.219	-0.038		0.530	-0.238	-0.068	0.762	11	23
4	0.028		0.198	-0.005		-1.048	0.444	-0.760	1.444	2	33
5	-0.049	-0.204	0.296	0.037		0.347	-1.565	0.642	-0.565	22	4
6	-0.013	-0.123	0.569	0.016	-0.045	-0.498	-0.499	-0.424	0.501	6	18
7	0.057		0.767	-0.053		-0.004	1.153	-0.594	2.153	3	36
8	-0.079		0.621	0.008		-1.303	-0.459	-0.792	0.541	1	20
9	-0.023		0.233	-0.038		0.309	-0.096	-0.215	0.904	8	25
10	-0.020		0.671	0.001		0.391	0.224	0.272	1.224	14	30
11	-0.062		1.228	0.032		0.238	0.132	0.512	1.132	19	27
12	0.000		0.548	-0.034		1.262	0.366	0.475	1.366	16	32
13	-0.072		0.604	0.048		1.023	-0.397	1.219	0.603	29	21
14	0.002		0.400	-0.017		-0.266	0.289	-0.369	1.289	7	31
15	-0.035		0.442	-0.053		0.875	-0.094	0.001	0.906	12	26
16	-0.059		0.224	-0.052	0.000	0.162	-0.512	-0.472	0.488	5	17
17	0.012		0.788	0.080		0.443	0.661	1.188	1.661	28	35
18	0.021		0.482	-0.046		0.467	0.558	-0.197	1.558	9	34
Avg	-0.023	-0.164	0.485	-0.008	-0.023	0.207	-0.042	0.03	0.96	**215**	**451**
Std Dev	0.038	0.057	0.274	0.039	0.032	0.653	0.607	0.60	0.61		
										Critical Value =	**385**

Reject the null hypothesis - the survey unit meets the release criterion.
Estimated dose or risk due to residual activity in survey unit is less than release criterion.

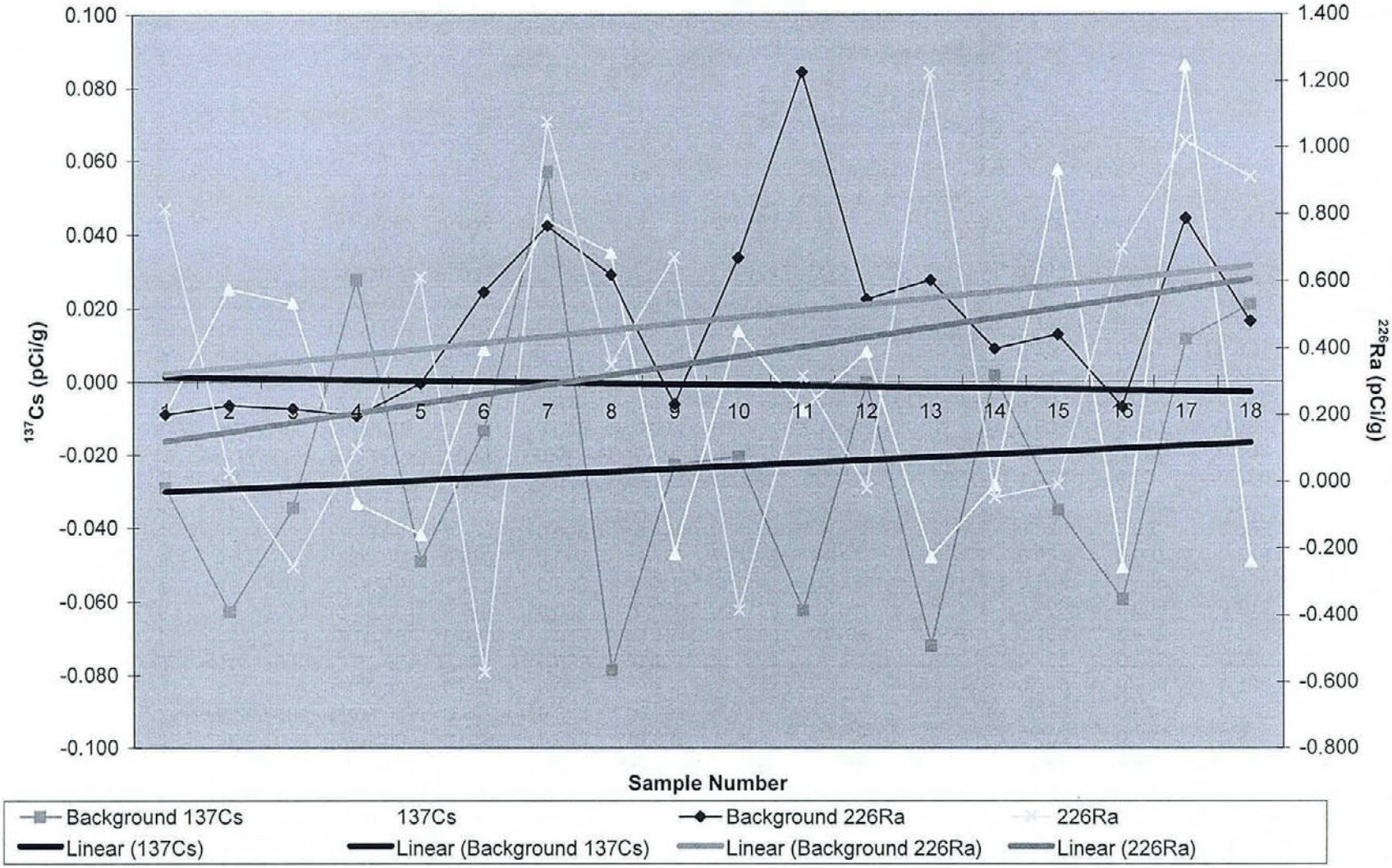
ATTACHMENT 8

RESULTS OF THE STATISTICAL TESTS OVERBURDEN UNIT 53

Summary of Soil Sample Measurements - Overburden Unit 53

Sample No.	Bkgd						6PBOPA07-005-053					
	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total
1	-0.029	-0.043			0.202	0.813	-0.009	-0.066			0.816	1.251
2	-0.063	-0.265			0.230	0.740	0.025	0.052			0.026	1.120
3	-0.035	-0.219			0.219	0.726	0.022	0.032			-0.255	-1.571
4	0.028	0.036			0.198	0.885	-0.033	-0.159			0.099	1.122
5	-0.049	-0.124	-0.204	0.220	0.296	0.754	-0.042	-0.382			0.614	1.189
6	-0.013	-0.066	-0.123	0.171	0.569	0.718	0.009	0.046	-0.077	0.132	-0.572	-2.241
7	0.057	0.040			0.767	0.839	0.044	0.034			1.080	1.018
8	-0.079	-0.355			0.621	0.715	0.035	0.047			0.352	1.118
9	-0.023	-0.115			0.233	0.728	-0.047	-0.244			0.672	1.362
10	-0.020	-0.056			0.671	1.088	0.014	0.042			-0.385	-2.122
11	-0.062	-0.153			1.228	0.789	-0.008	110.400			0.319	1.052
12	0.000	-0.045			0.548	0.708	0.008	0.050			-0.021	-0.955
13	-0.072	-0.374			0.604	0.881	-0.048	-0.401			1.225	1.311
14	0.002	0.041			0.400	0.938	-0.028	-0.162			-0.050	-1.166
15	-0.035	-0.251			0.442	0.729	0.058	0.048			-0.008	-1.047
16	-0.059	-0.124			0.224	0.901	-0.051	-7.629	-0.190	0.205	0.696	1.059
17	0.012	0.032			0.788	0.835	0.086	0.053			1.019	1.068
18	0.021	0.036			0.482	0.715	-0.049	-0.387			0.911	1.197
Mean	-0.023	-0.111	-0.164	0.196	0.485	0.806	-0.001	5.632	-0.134	0.169	0.363	0.265

Comparison Graph Overburden Unit 53
^{137}Cs and ^{226}Ra



Reference Area Soil Measurements

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{228}Ra	MDA	2σ Total
			Results (pCi/g)								
1	4/26/2006	12:00:00	-0.029	0.038	-0.043				0.202	0.700	0.813
2	4/26/2006	12:00:00	-0.063	0.044	-0.265				0.230	0.641	0.740
3	4/26/2006	12:00:00	-0.035	0.036	-0.219				0.219	0.633	0.726
4	4/26/2006	12:00:00	0.028	0.033	0.036				0.198	0.773	0.885
5	4/26/2006	12:00:00	-0.049	0.042	-0.124	-0.204	0.194	0.220	0.296	0.647	0.754
6	4/26/2006	12:00:00	-0.013	0.036	-0.066	-0.123	0.194	0.171	0.569	0.609	0.718
7	4/26/2006	12:00:00	0.057	0.033	0.040				0.767	0.669	0.839
8	4/26/2006	12:00:00	-0.079	0.040	-0.355				0.621	0.597	0.715
9	4/26/2006	12:00:00	-0.023	0.039	-0.115				0.233	0.633	0.728
10	4/26/2006	12:00:00	-0.020	0.038	-0.056				0.671	0.876	1.088
11	4/26/2006	12:00:00	-0.062	0.042	-0.153				1.228	0.621	0.789
12	4/26/2006	12:00:00	0.000	0.041	-0.045				0.548	0.570	0.708
13	4/26/2006	12:00:00	-0.072	0.049	-0.374				0.604	0.737	0.881
14	4/26/2006	12:00:00	0.002	0.040	0.041				0.400	0.807	0.938
15	4/26/2006	12:00:00	-0.035	0.042	-0.251				0.442	0.594	0.729
16	4/26/2006	12:00:00	-0.059	0.045	-0.124				0.224	0.777	0.901
17	4/26/2006	12:00:00	0.012	0.031	0.032				0.788	0.665	0.835
18	4/26/2006	12:00:00	0.021	0.033	0.036				0.482	0.580	0.715
		mean	**-0.023**			**-0.164**			**0.485**		
		std dev	**0.038**			**0.057**			**0.274**		
		median	**-0.026**			**-0.164**			**0.462**		

Class 1 Soil Measurements - Overburden Unit 53

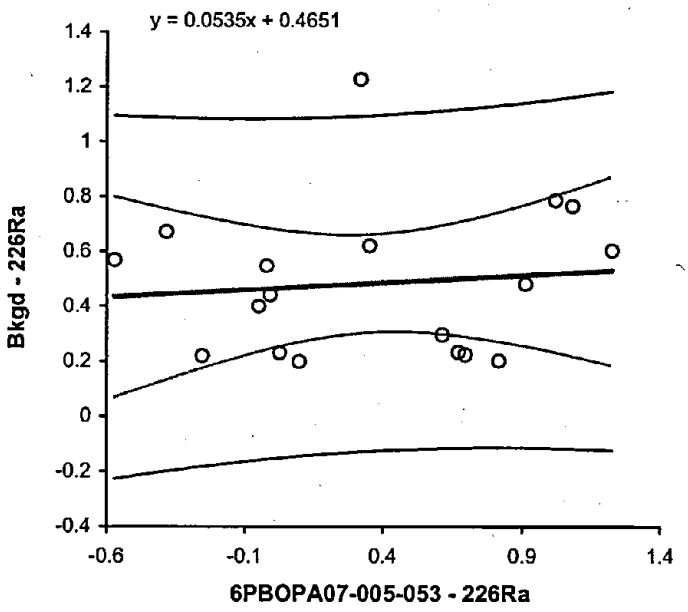
Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	8/23/2006	11:00:00	-0.0088	0.045	-0.066				0.816	1.050	1.251
2	8/23/2006	11:10:00	0.0253	0.048	0.052				0.026	1.010	1.120
3	8/23/2006	11:20:00	0.0216	0.024	0.032				-0.255	1.030	-1.571
4	8/23/2006	11:30:00	-0.0333	0.047	-0.159				0.099	1.000	1.122
5	8/23/2006	11:40:00	-0.0417	0.047	-0.382				0.614	1.010	1.189
6	8/23/2006	11:50:00	0.0090	0.047	0.046	-0.077	0.151	0.132	-0.572	1.000	-2.241
7	8/23/2006	12:00:00	0.0441	0.021	0.034				1.080	0.852	1.018
8	8/23/2006	12:30:00	0.0351	0.043	0.047				0.352	0.986	1.118
9	8/23/2006	12:40:00	-0.0469	0.051	-0.244				0.672	1.180	1.362
10	8/23/2006	12:50:00	0.0139	0.040	0.042				-0.385	1.040	-2.122
11	8/23/2006	13:00:00	-0.0079	0.030	110.400				0.319	0.920	1.052
12	8/23/2006	13:10:00	0.0084	0.046	0.050				-0.021	0.845	-0.955
13	8/23/2006	13:20:00	-0.0479	0.055	-0.401				1.225	1.110	1.311
14	8/23/2006	13:30:00	-0.0283	0.048	-0.162				-0.050	0.952	-1.166
15	8/23/2006	13:40:00	0.0576	0.033	0.048				-0.008	0.927	-1.047
16	8/23/2006	13:50:00	-0.0505	0.047	-7.629	-0.190	0.148	0.205	0.696	0.899	1.059
17	8/23/2006	14:00:00	0.0861	0.038	0.053				1.019	0.905	1.068
18	8/23/2006	14:10:00	-0.0492	0.052	-0.387				0.911	1.030	1.197
		mean	**-0.001**			**-0.134**			**0.363**		
		std dev	**0.041**			**0.080**			**0.538**		
		median	**0.000**			**-0.134**			**0.336**		

Test	Linear regression
	Bkgd - 226Ra v 6PBOPA07-005-053 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006

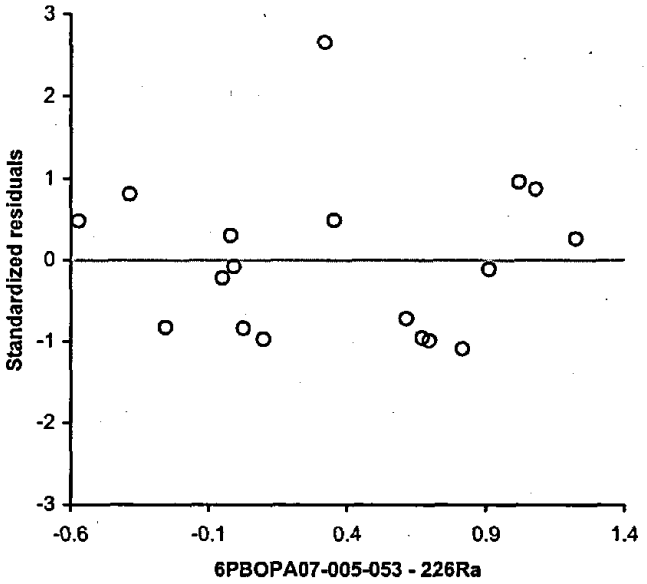
n	18
R^2	0.01
Adjusted R^2	-0.05
SE	0.2809

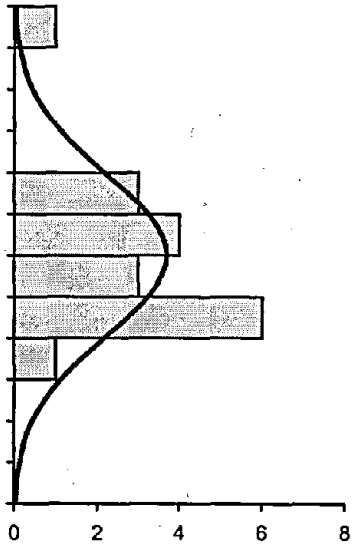
Term	Coefficient	SE	p	95% CI of Coefficient
Intercept	0.4651	0.0806	<0.0001	0.2942 to 0.6361
Slope	0.0535	0.1267	0.6786	-0.2151 to 0.3220

Source of variation	SSq	DF	MSq	F	p
Due to regression	0.0141	1	0.0141	0.18	0.6786
About regression	1.2627	16	0.0789		
Total	1.2768	17			

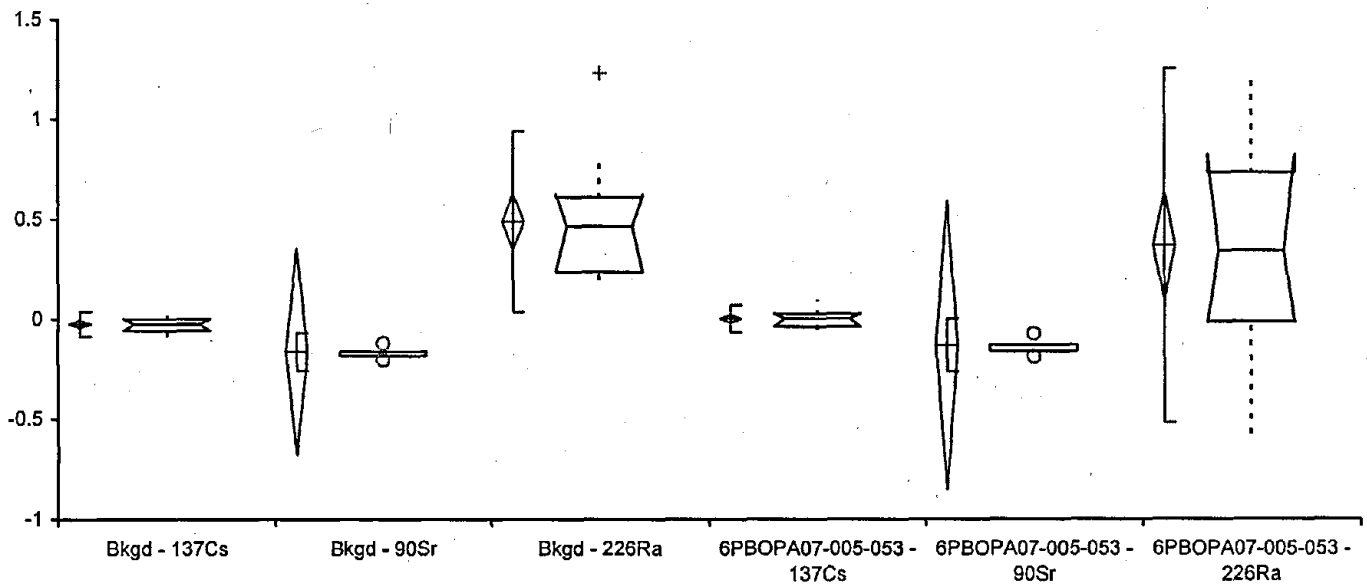


Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA07-005-053 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006





Test	**Comparative descriptives**
	Bkgd - 137Cs, Bkgd - 90Sr, Bkgd - 226Ra, 6PBOPA07-005-053 - 137Cs, 6PBOPA07-005-053 - 90Sr, 6PBOPA07-005-053 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006



	n	Mean	SD	SE	95% CI of Mean	Median	IQR	95% CI of Median
Bkgd - 137Cs	18	-0.0233	0.03782	0.00891	-0.0422 to -0.0045	-0.0258	0.0571	-0.0594 to 0.0017
Bkgd - 90Sr	2	-0.1635	0.05728	0.04050	-0.6781 to 0.3511	-0.1635	0.0000	- to -
Bkgd - 226Ra	18	0.4846	0.27405	0.06459	0.3483 to 0.6209	0.4617	0.3776	0.2301 to 0.6207
6PBOPA07-005-053 - 137Cs	18	-0.0007	0.04103	0.00967	-0.0211 to 0.0197	0.0002	0.0621	-0.0417 to 0.0253
6PBOPA07-005-053 - 90Sr	2	-0.1335	0.07990	0.05650	-0.8514 to 0.5844	-0.1335	0.0000	- to -
6PBOPA07-005-053 - 226Ra	18	0.3633	0.53781	0.12676	0.0959 to 0.6308	0.3358	0.7440	-0.0210 to 0.8162

WRS TEST Measurements - Unity Rule for Soil - Overburden Unit 53

	Reference Area			Survey Unit			Weighted Sum			Ranks	
Count No.	^{137}Cs	^{90}Sr	^{226}Ra	^{137}Cs	^{90}Sr	^{226}Ra	*Ref*	*Survey*	*Adj Ref*	*Survey*	*Adj Ref*
1	-0.029		0.202	-0.009		0.816	-0.187	0.452	0.813	15	24
2	-0.063		0.230	0.025		0.026	-0.546	0.300	0.454	14	16
3	-0.035		0.219	0.022		-0.255	-0.238	0.069	0.762	10	23
4	0.028		0.198	-0.033		0.099	0.444	-0.305	1.444	5	32
5	-0.049	-0.204	0.296	-0.042		0.614	-1.565	-0.051	-0.565	8	3
6	-0.013	-0.123	0.569	0.009	-0.077	-0.572	-0.499	-0.745	0.501	2	18
7	0.057		0.767	0.044		1.080	1.153	1.219	2.153	28	36
8	-0.079		0.621	0.035		0.352	-0.459	0.628	0.541	21	19
9	-0.023		0.233	-0.047		0.672	-0.096	-0.071	0.904	7	25
10	-0.020		0.671	0.014		-0.385	0.224	-0.104	1.224	6	29
11	-0.062		1.228	-0.008		0.319	0.132	0.127	1.132	12	27
12	0.000		0.548	0.008		-0.021	0.366	0.079	1.366	11	31
13	-0.072		0.604	-0.048		1.225	-0.397	0.291	0.603	13	20
14	0.002		0.400	-0.028		-0.050	0.289	-0.349	1.289	4	30
15	-0.035		0.442	0.058		-0.008	-0.094	0.638	0.906	22	26
16	-0.059		0.224	-0.051	-0.190	0.696	-0.512	-1.229	0.488	1	17
17	0.012		0.788	0.086		1.019	0.661	1.647	1.661	34	35
18	0.021		0.482	-0.049		0.911	0.558	0.066	1.558	9	33
Avg	-0.023	-0.164	0.485	-0.001	-0.134	0.363	-0.042	0.15	0.96	**222**	**444**
Std Dev	0.038	0.057	0.274	0.041	0.080	0.538	0.607	0.66	0.61		
										Critical Value =	**385**

Reject the null hypothesis - the survey unit meets the release criterion.
Estimated dose or risk due to residual activity in survey unit is less than release criterion.

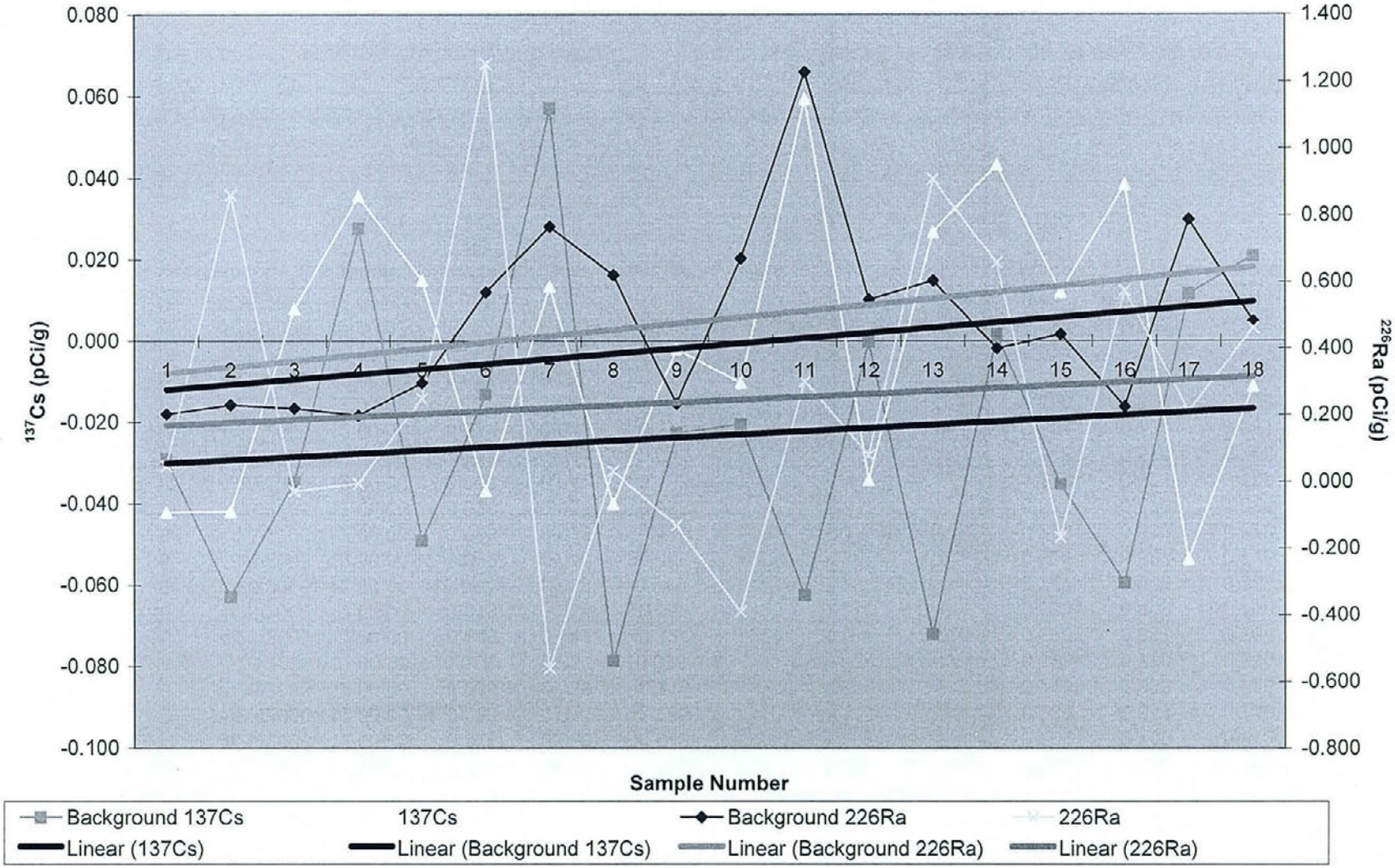
ATTACHMENT 9

RESULTS OF THE STATISTICAL TESTS
OVERBURDEN UNIT 60

Summary of Soil Sample Measurements - Overburden Unit 60

Sample No.	Bkgd						6PBOPA16-004-060					
	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total
1	-0.029	-0.043			0.202	0.813	-0.042	-0.177	-0.184	0.222	0.047	1.240
2	-0.063	-0.265			0.230	0.740	-0.042	-0.179			0.861	1.313
3	-0.035	-0.219			0.219	0.726	0.008	0.044			-0.028	-1.715
4	0.028	0.036			0.198	0.885	0.036	0.034			-0.006	-0.907
5	-0.049	-0.124	-0.204	0.220	0.296	0.754	0.015	0.050			0.248	0.991
6	-0.013	-0.066	-0.123	0.171	0.569	0.718	-0.037	-0.804			1.253	1.545
7	0.057	0.040			0.767	0.839	0.013	0.050			-0.561	-2.222
8	-0.079	-0.355			0.621	0.715	-0.040	-0.269			0.033	1.089
9	-0.023	-0.115			0.233	0.728	-0.002	-0.035			-0.132	-1.139
10	-0.020	-0.056			0.671	1.088	-0.010	-0.061			-0.391	-1.831
11	-0.062	-0.153			1.228	0.789	0.059	0.049	-0.096	0.163	0.300	0.920
12	0.000	-0.045			0.548	0.708	-0.034	147.870			0.079	1.299
13	-0.072	-0.374			0.604	0.881	0.027	0.048			0.909	1.290
14	0.002	0.041			0.400	0.938	0.043	0.054			0.657	0.948
15	-0.035	-0.251			0.442	0.729	0.012	0.072			-0.168	-1.407
16	-0.059	-0.124			0.224	0.901	0.038	0.040			0.573	1.379
17	0.012	0.032			0.788	0.835	-0.054	-5.649			0.210	1.262
18	0.021	0.036			0.482	0.715	-0.011	93.855			0.461	0.990
Mean	-0.023	-0.111	-0.164	0.196	0.485	0.806	-0.001	13.055	-0.140	0.193	0.241	0.280

Comparison Graph Overburden Unit 60
^{137}Cs and ^{226}Ra



Reference Area Soil Measurements

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	4/26/2006	12:00:00	-0.029	0.038	-0.043				0.202	0.700	0.813
2	4/26/2006	12:00:00	-0.063	0.044	-0.265				0.230	0.641	0.740
3	4/26/2006	12:00:00	-0.035	0.036	-0.219				0.219	0.633	0.726
4	4/26/2006	12:00:00	0.028	0.033	0.036				0.198	0.773	0.885
5	4/26/2006	12:00:00	-0.049	0.042	-0.124	-0.204	0.194	0.220	0.296	0.647	0.754
6	4/26/2006	12:00:00	-0.013	0.036	-0.066	-0.123	0.194	0.171	0.569	0.609	0.718
7	4/26/2006	12:00:00	0.057	0.033	0.040				0.767	0.669	0.839
8	4/26/2006	12:00:00	-0.079	0.040	-0.355				0.621	0.597	0.715
9	4/26/2006	12:00:00	-0.023	0.039	-0.115				0.233	0.633	0.728
10	4/26/2006	12:00:00	-0.020	0.038	-0.056				0.671	0.876	1.088
11	4/26/2006	12:00:00	-0.062	0.042	-0.153				1.228	0.621	0.789
12	4/26/2006	12:00:00	0.000	0.041	-0.045				0.548	0.570	0.708
13	4/26/2006	12:00:00	-0.072	0.049	-0.374				0.604	0.737	0.881
14	4/26/2006	12:00:00	0.002	0.040	0.041				0.400	0.807	0.938
15	4/26/2006	12:00:00	-0.035	0.042	-0.251				0.442	0.594	0.729
16	4/26/2006	12:00:00	-0.059	0.045	-0.124				0.224	0.777	0.901
17	4/26/2006	12:00:00	0.012	0.031	0.032				0.788	0.665	0.835
18	4/26/2006	12:00:00	0.021	0.033	0.036				0.482	0.580	0.715
		mean	**-0.023**			**-0.164**			**0.485**		
		std dev	**0.038**			**0.057**			**0.274**		
		median	**-0.026**			**-0.164**			**0.462**		

Class 1 Soil Measurements - Overburden Unit 60

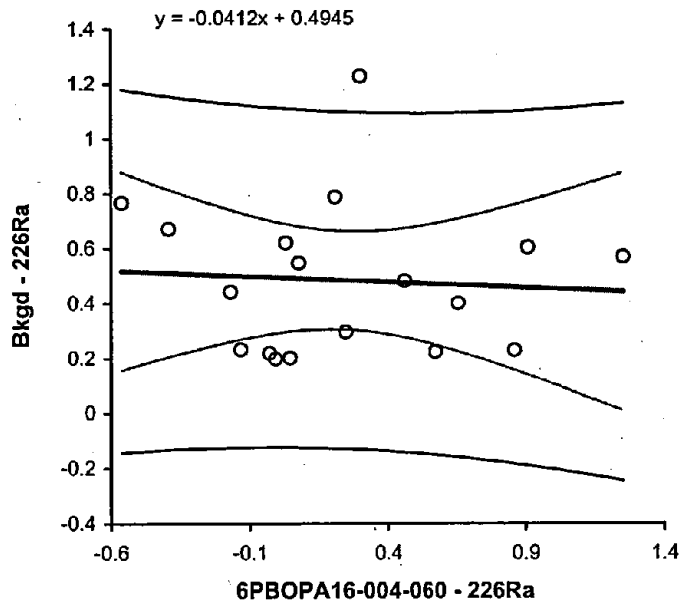
Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	8/29/2006	14:00:00	-0.0420	0.042	-0.177	-0.184	0.224	0.222	0.047	1.090	1.240
2	8/29/2006	14:10:00	-0.0420	0.041	-0.179				0.861	1.110	1.313
3	8/29/2006	14:20:00	0.0079	0.041	0.044				-0.028	1.460	-1.715
4	8/29/2006	14:30:00	0.0357	0.024	0.034				-0.006	0.811	-0.907
5	8/29/2006	14:40:00	0.0149	0.045	0.050				0.248	0.875	0.991
6	8/29/2006	14:50:00	-0.0369	0.044	-0.804				1.253	1.300	1.545
7	8/29/2006	15:00:00	0.0134	0.046	0.050				-0.561	0.975	-2.222
8	8/29/2006	15:10:00	-0.0401	0.038	-0.269				0.033	0.954	1.089
9	8/29/2006	15:20:00	-0.0019	0.023	-0.035				-0.132	0.873	-1.139
10	8/29/2006	15:30:00	-0.0104	0.044	-0.061				-0.391	1.000	-1.831
11	8/29/2006	15:40:00	0.0594	0.041	0.049	-0.096	0.232	0.163	0.300	0.834	0.920
12	8/29/2006	15:50:00	-0.0341	0.042	147.870				0.079	1.130	1.299
13	8/29/2006	16:00:00	0.0268	0.044	0.048				0.909	1.090	1.290
14	8/29/2006	16:10:00	0.0433	0.023	0.054				0.657	0.819	0.948
15	8/29/2006	16:20:00	0.0120	0.054	0.072				-0.168	1.050	-1.407
16	8/29/2006	16:30:00	0.0385	0.033	0.040				0.573	1.180	1.379
17	8/29/2006	16:40:00	-0.0536	0.049	-5.649				0.210	1.090	1.262
18	8/29/2006	16:50:00	-0.0112	0.029	93.855				0.461	0.880	0.990
		mean	**-0.001**			**-0.140**			**0.241**		
		std dev	**0.035**			**0.062**			**0.471**		
		median	**0.003**			**-0.140**			**0.145**		

Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA16-004-060 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006

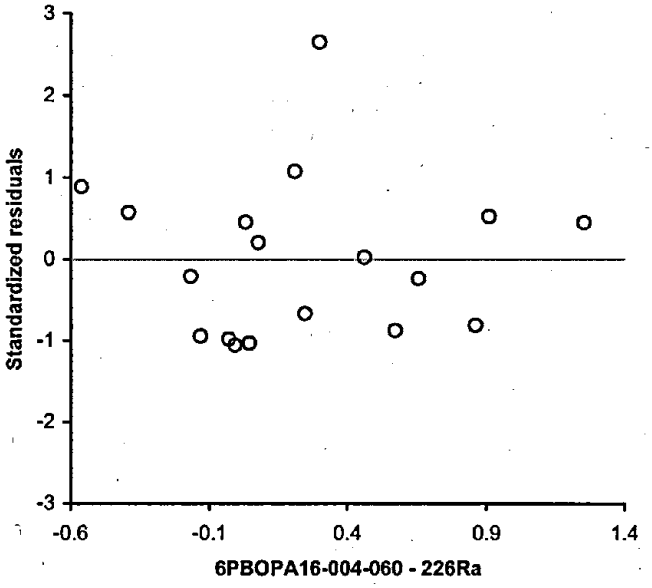
n	18
R^2	0.01
Adjusted R^2	-0.06
SE	0.2818

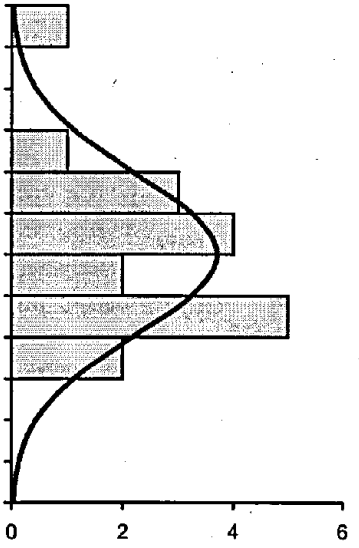
Term	Coefficient	SE	p	95% CI of Coefficient
Intercept	0.4945	0.0751	<0.0001	0.3354 to 0.6537
Slope	-0.0412	0.1450	0.7802	-0.3485 to 0.2662

Source of variation	SSq	DF	MSq	F	p
Due to regression	0.0064	1	0.0064	0.08	0.7802
About regression	1.2704	16	0.0794		
Total	1.2768	17			



Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA16-004-060 - 226Ra
Performed by	Daryl DeLong
Date	8 September 2006

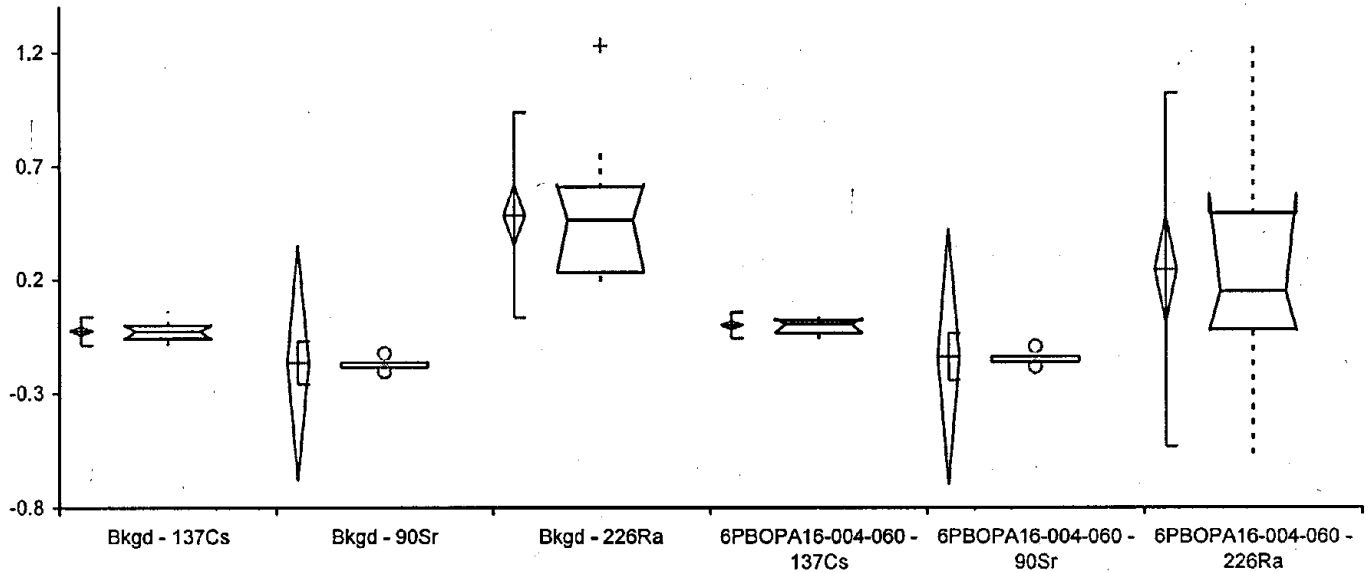




Test | **Comparative descriptives**

Bkgd - 137Cs, Bkgd - 90Sr, Bkgd - 226Ra, 6PBOPA16-004-060 - 137Cs, 6PBOPA16-004-060 - 90Sr, 6PBOPA16-004-060 - 226Ra

Performed by | Daryl DeLong **Date** | 8 September 2006



	n	Mean	SD	SE	95% CI of Mean	Median	IQR	95% CI of Median
Bkgd - 137Cs	18	-0.0233	0.03782	0.00891	-0.0422 to -0.0045	-0.0258	0.0571	-0.0594 to 0.0017
Bkgd - 90Sr	2	-0.1635	0.05728	0.04050	-0.6781 to 0.3511	-0.1635	0.0000	- to -
Bkgd - 226Ra	18	0.4846	0.27405	0.06459	0.3483 to 0.6209	0.4617	0.3776	0.2301 to 0.6207
6PBOPA16-004-060 - 137Cs	18	-0.0011	0.03450	0.00813	-0.0183 to 0.0160	0.0030	0.0541	-0.0369 to 0.0268
6PBOPA16-004-060 - 90Sr	2	-0.1400	0.06223	0.04400	-0.6991 to 0.4191	-0.1400	0.0000	- to -
6PBOPA16-004-060 - 226Ra	18	0.2414	0.47141	0.11111	0.0070 to 0.4759	0.1446	0.5118	-0.0282 to 0.5734

WRS TEST Measurements - Unity Rule for Soil - Overburden Unit 60

	Reference Area			Survey Unit			Weighted Sum			Ranks	
Count No.	^{137}Cs	^{90}Sr	^{226}Ra	^{137}Cs	^{90}Sr	^{226}Ra	*Ref*	*Survey*	*Adj Ref*	*Survey*	*Adj Ref*
1	-0.029		0.202	-0.042	-0.184	0.047	-0.187	-1.536	0.813	1	23
2	-0.063		0.230	-0.042		0.861	-0.546	0.112	0.454	11	17
3	-0.035		0.219	0.008		-0.028	-0.238	0.070	0.762	10	22
4	0.028		0.198	0.036		-0.006	0.444	0.395	1.444	15	33
5	-0.049	-0.204	0.296	0.015		0.248	-1.565	0.334	-0.565	14	2
6	-0.013	-0.123	0.569	-0.037		1.253	-0.499	0.432	0.501	16	19
7	0.057		0.767	0.013		-0.561	1.153	-0.228	2.153	7	36
8	-0.079		0.621	-0.040		0.033	-0.459	-0.425	0.541	4	20
9	-0.023		0.233	-0.002		-0.132	-0.096	-0.110	0.904	8	25
10	-0.020		0.671	-0.010		-0.391	0.224	-0.379	1.224	5	30
11	-0.062		1.228	0.059	-0.096	0.300	0.132	0.292	1.132	13	29
12	0.000		0.548	-0.034		0.079	0.366	-0.327	1.366	6	32
13	-0.072		0.604	0.027		0.909	-0.397	0.911	0.603	27	21
14	0.002		0.400	0.043		0.657	0.289	0.926	1.289	28	31
15	-0.035		0.442	0.012		-0.168	-0.094	0.021	0.906	9	26
16	-0.059		0.224	0.038		0.573	-0.512	0.815	0.488	24	18
17	0.012		0.788	-0.054		0.210	0.661	-0.456	1.661	3	35
18	0.021		0.482	-0.011		0.461	0.558	0.186	1.558	12	34
Avg	-0.023	-0.164	0.485	-0.001	-0.140	0.241	-0.042	0.06	0.96	**213**	**453**
Std Dev	0.038	0.057	0.274	0.035	0.062	0.471	0.607	0.59	0.61		
										Critical Value =	**385**

Reject the null hypothesis - the survey unit meets the release criterion.
Estimated dose or risk due to residual activity in survey unit is less than release criterion.

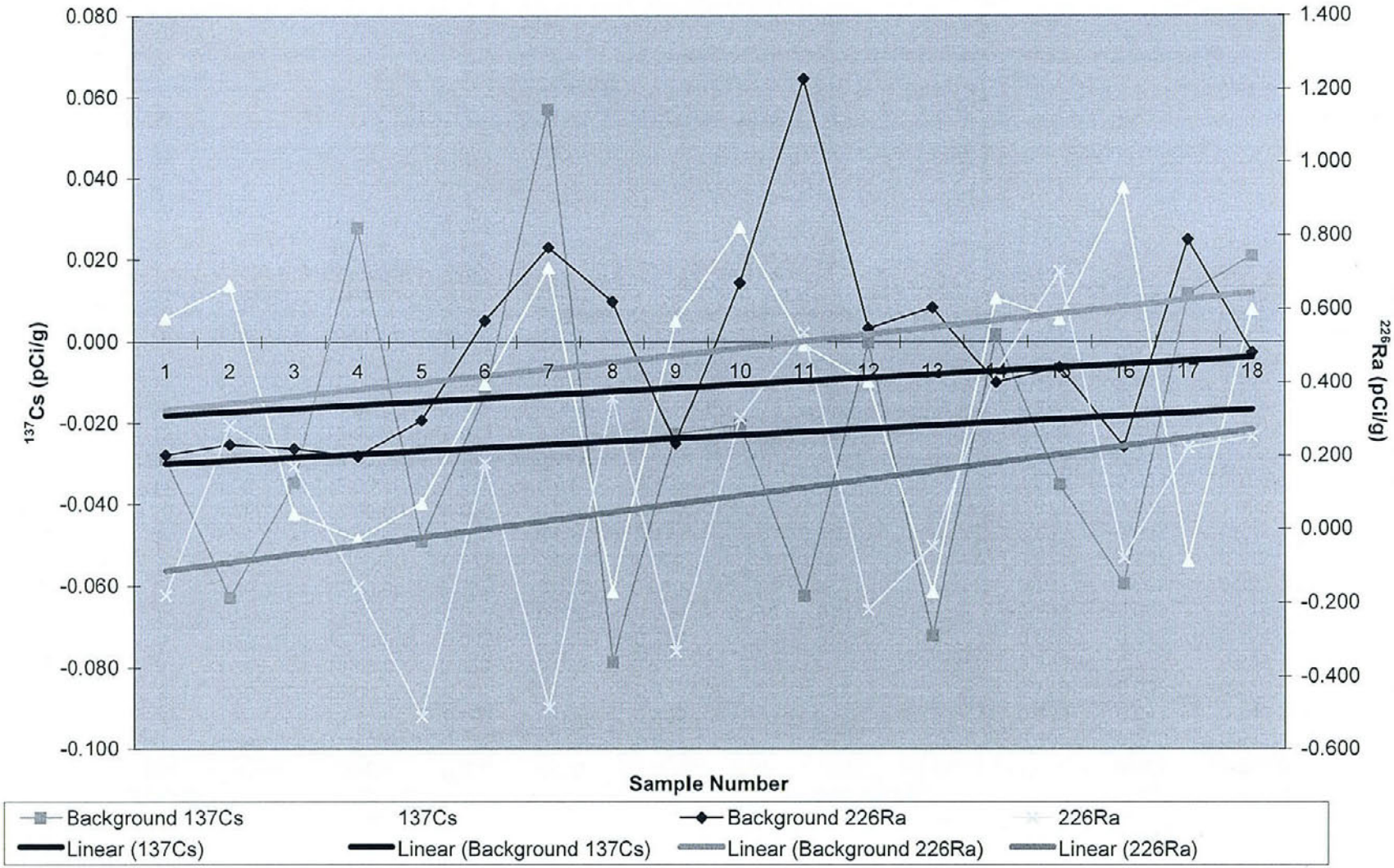
ATTACHMENT 10

RESULTS OF THE STATISTICAL TESTS
OVERBURDEN UNIT 69

Summary of Soil Sample Measurements - Overburden Unit 69

Sample No.	Bkgd						6PBOPA10-006-069					
	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total	^{137}Cs	2σ Total	^{90}Sr	2σ Total	^{226}Ra	2σ Total
1	-0.029	-0.043			0.202	0.813	0.006	0.058	-0.389	0.313	-0.181	-1.463
2	-0.063	-0.265			0.230	0.740	0.014	0.033	0.034	0.081	0.282	0.967
3	-0.035	-0.219			0.219	0.726	-0.042	-2.100	-0.452	0.315	0.171	1.135
4	0.028	0.036			0.198	0.885	-0.049	-0.250	0.249	0.269	-0.157	-1.497
5	-0.049	-0.124	-0.204	0.220	0.296	0.754	-0.040	-0.234	0.042	0.101	-0.512	-2.137
6	-0.013	-0.066	-0.123	0.171	0.569	0.718	-0.010	83.239	0.000	0.000	0.180	0.922
7	0.057	0.040			0.767	0.839	0.018	0.052	0.000	0.000	-0.486	-2.231
8	-0.079	-0.355			0.621	0.715	-0.061	-2.828	0.305	0.300	0.360	1.140
9	-0.023	-0.115			0.233	0.728	0.005	0.033	-0.143	0.199	-0.333	-1.571
10	-0.020	-0.056			0.671	1.088	0.028	0.053	-0.047	0.113	0.302	1.100
11	-0.062	-0.153			1.228	0.789	-0.001	-0.046	-0.347	0.295	0.536	1.168
12	0.000	-0.045			0.548	0.708	-0.010	97.189	-0.255	0.231	-0.218	-1.182
13	-0.072	-0.374			0.604	0.881	-0.061	-0.296	-0.132	0.159	-0.047	-1.312
14	0.002	0.041			0.400	0.938	0.011	0.051	-0.359	0.305	0.428	1.410
15	-0.035	-0.251			0.442	0.729	0.005	0.054	0.251	0.247	0.700	1.096
16	-0.059	-0.124			0.224	0.901	0.038	0.040	-0.269	0.289	-0.079	-1.192
17	0.012	0.032			0.788	0.835	-0.054	-0.320	-0.239	0.217	0.222	1.116
18	0.021	0.036			0.482	0.715	0.008	0.061	-0.357	0.305	0.251	1.106
Mean	-0.023	-0.111	-0.164	0.196	0.485	0.806	-0.011	9.711	-0.117	0.208	0.079	-0.079

Comparisson Graph Overburden Unit 69
137Cs and 226Ra



Reference Area Soil Measurements

Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	4/26/2006	12:00:00	-0.029	0.038	-0.043				0.202	0.700	0.813
2	4/26/2006	12:00:00	-0.063	0.044	-0.265				0.230	0.641	0.740
3	4/26/2006	12:00:00	-0.035	0.036	-0.219				0.219	0.633	0.726
4	4/26/2006	12:00:00	0.028	0.033	0.036				0.198	0.773	0.885
5	4/26/2006	12:00:00	-0.049	0.042	-0.124	-0.204	0.194	0.220	0.296	0.647	0.754
6	4/26/2006	12:00:00	-0.013	0.036	-0.066	-0.123	0.194	0.171	0.569	0.609	0.718
7	4/26/2006	12:00:00	0.057	0.033	0.040				0.767	0.669	0.839
8	4/26/2006	12:00:00	-0.079	0.040	-0.355				0.621	0.597	0.715
9	4/26/2006	12:00:00	-0.023	0.039	-0.115				0.233	0.633	0.728
10	4/26/2006	12:00:00	-0.020	0.038	-0.056				0.671	0.876	1.088
11	4/26/2006	12:00:00	-0.062	0.042	-0.153				1.228	0.621	0.789
12	4/26/2006	12:00:00	0.000	0.041	-0.045				0.548	0.570	0.708
13	4/26/2006	12:00:00	-0.072	0.049	-0.374				0.604	0.737	0.881
14	4/26/2006	12:00:00	0.002	0.040	0.041				0.400	0.807	0.938
15	4/26/2006	12:00:00	-0.035	0.042	-0.251				0.442	0.594	0.729
16	4/26/2006	12:00:00	-0.059	0.045	-0.124				0.224	0.777	0.901
17	4/26/2006	12:00:00	0.012	0.031	0.032				0.788	0.665	0.835
18	4/26/2006	12:00:00	0.021	0.033	0.036				0.482	0.580	0.715
		mean	**-0.023**			**-0.164**			**0.485**		
		std dev	**0.038**			**0.057**			**0.274**		
		median	**-0.026**			**-0.164**			**0.462**		

Class 1 Soil Measurements - Overburden Unit 69

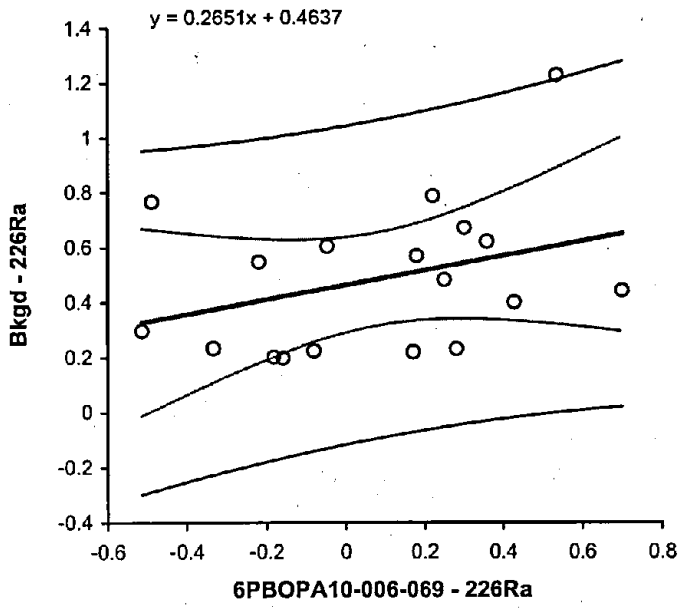
Sample No.	Date	Time	^{137}Cs	MDA	2σ Total	^{90}Sr	MDA	2σ Total	^{226}Ra	MDA	2σ Total
			Results (pCi/g)								
1	9/1/2006	10:00:00	0.0057	0.550	0.058	-0.389	0.211	0.313	-0.181	1.100	-1.463
2	9/1/2006	10:10:00	0.0138	0.026	0.033	0.034	0.166	0.081	0.282	0.870	0.967
3	9/1/2006	10:20:00	-0.0424	0.033	-2.100	-0.452	0.184	0.315	0.171	0.991	1.135
4	9/1/2006	10:30:00	-0.0486	0.043	-0.250	0.249	0.244	0.269	-0.157	1.070	-1.497
5	9/1/2006	10:40:00	-0.0398	0.060	-0.234	0.042	0.206	0.101	-0.512	1.050	-2.137
6	9/1/2006	10:50:00	-0.0104	0.028	83.239	0.000	0.221	0.000	0.180	0.835	0.922
7	9/1/2006	11:00:00	0.0180	0.048	0.052	0.000	0.179	0.000	-0.486	1.010	-2.231
8	9/1/2006	11:10:00	-0.0613	0.055	-2.828	0.305	0.241	0.300	0.360	0.993	1.140
9	9/1/2006	11:20:00	0.0051	0.028	0.033	-0.143	0.232	0.199	-0.333	0.957	-1.571
10	9/1/2006	11:30:00	0.0280	0.048	0.053	-0.047	0.227	0.113	0.302	0.978	1.100
11	9/1/2006	11:40:00	-0.0008	0.044	-0.046	-0.347	0.211	0.295	0.536	0.999	1.168
12	9/1/2006	11:50:00	-0.0099	0.032	97.189	-0.255	0.177	0.231	-0.218	0.800	-1.182
13	9/1/2006	12:00:00	-0.0614	0.049	-0.296	-0.132	0.160	0.159	-0.047	1.130	-1.312
14	9/1/2006	12:10:00	0.0106	0.046	0.051	-0.359	0.219	0.305	0.428	1.230	1.410
15	9/1/2006	12:20:00	0.0055	0.051	0.054	0.251	0.204	0.247	0.700	0.943	1.096
16	9/1/2006	12:30:00	0.0375	0.029	0.040	-0.269	0.262	0.289	-0.079	0.959	-1.192
17	9/1/2006	12:40:00	-0.0540	0.057	-0.320	-0.239	0.166	0.217	0.222	1.010	1.116
18	9/1/2006	12:50:00	0.0079	0.056	0.061	-0.357	0.213	0.305	0.251	0.986	1.106
		mean	**-0.011**			**-0.117**			**0.079**		
		std dev	**0.032**			**0.235**			**0.347**		
		median	**0.002**			**-0.138**			**0.175**		

Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA10-006-069 - 226Ra
Performed by	Daryl DeLong
Date	26 September 2006

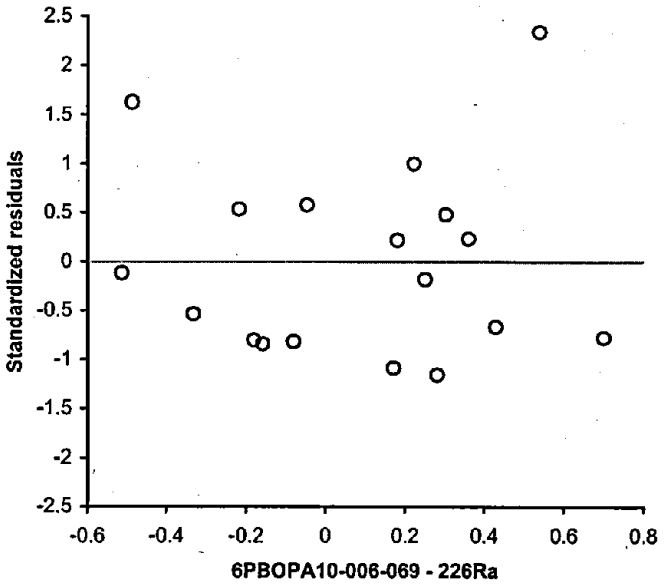
n	18
R^2	0.11
Adjusted R^2	0.06
SE	0.2661

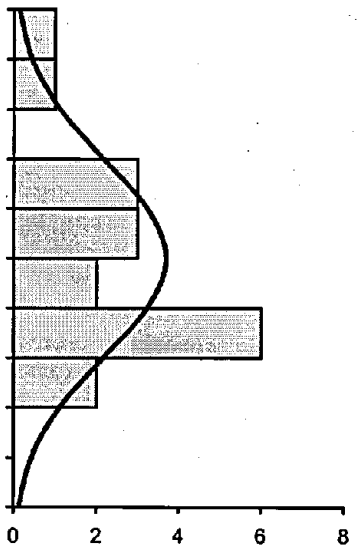
Term	Coefficient	SE	p	95% CI of Coefficient
Intercept	0.4637	0.0644	<0.0001	0.3271 to 0.6002
Slope	0.2651	0.1860	0.1732	-0.1292 to 0.6594

Source of variation	SSq	DF	MSq	F	p
Due to regression	0.1439	1	0.1439	2.03	0.1732
About regression	1.1329	16	0.0708		
Total	1.2768	17			

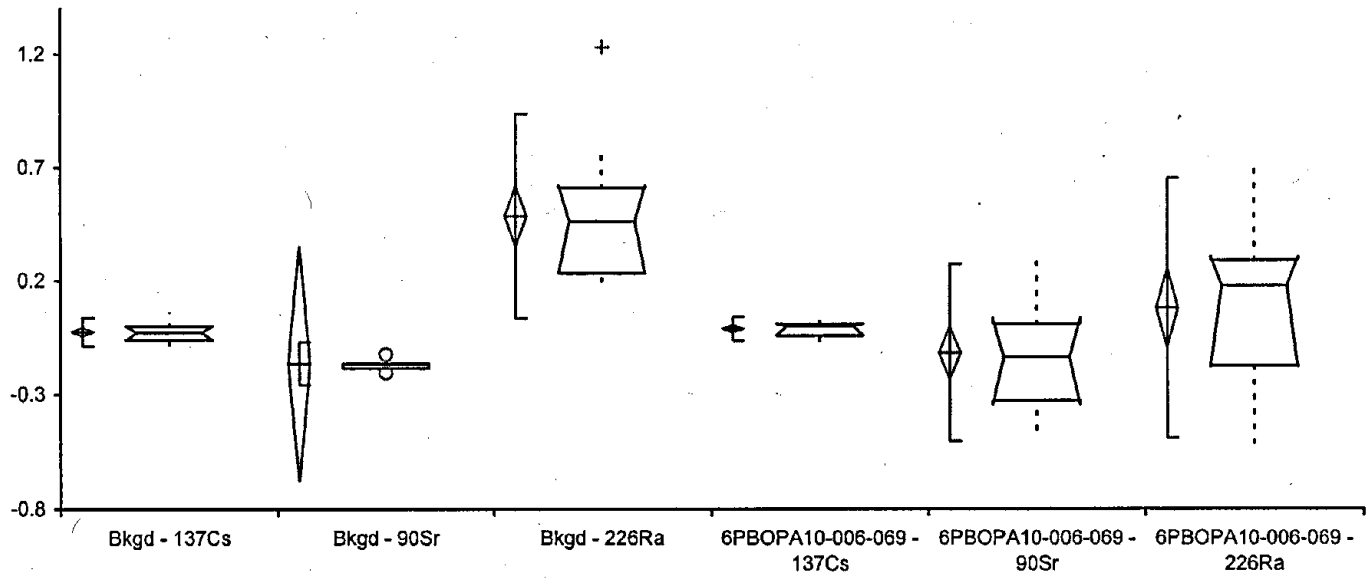


Test	**Linear regression**
	Bkgd - 226Ra v 6PBOPA10-006-069 - 226Ra
Performed by	Daryl DeLong
Date	26 September 2006





Test	**Comparative descriptives**
	Bkgd - 137Cs, Bkgd - 90Sr, Bkgd - 226Ra, 6PBOPA10-006-069 - 137Cs, 6PBOPA10-006-069 - 90Sr, 6PBOPA10-006-069 - 226Ra
Performed by	Daryl DeLong
Date	26 September 2006



	n	Mean	SD	SE	95% CI of Mean	Median	IQR	95% CI of Median
Bkgd - 137Cs	18	-0.0233	0.03782	0.00891	-0.0422 to -0.0045	-0.0258	0.0571	-0.0594 to 0.0017
Bkgd - 90Sr	2	-0.1635	0.05728	0.04050	-0.6781 to 0.3511	-0.1635	0.0000	- to -
Bkgd - 226Ra	18	0.4846	0.27405	0.06459	0.3483 to 0.6209	0.4617	0.3776	0.2301 to 0.6207
6PBOPA10-006-069 - 137Cs	18	-0.0109	0.03183	0.00750	-0.0267 to 0.0049	0.0021	0.0503	-0.0424 to 0.0106
6PBOPA10-006-069 - 90Sr	18	-0.1171	0.23528	0.05546	-0.2341 to -0.0001	-0.1375	0.3360	-0.3470 to 0.0340
6PBOPA10-006-069 - 226Ra	18	0.0788	0.34698	0.08178	-0.0937 to 0.2514	0.1754	0.4619	-0.1808 to 0.3024

WRS TEST Measurements - Unity Rule for Soil - Overburden Unit 69											
	Reference Area			Survey Unit			Weighted Sum			Ranks	
Count No.	^{137}Cs	^{90}Sr	^{226}Ra	^{137}Cs	^{90}Sr	^{226}Ra	*Ref*	*Survey*	*Adj Ref*	*Survey*	*Adj Ref*
1	-0.029		0.202	0.006	-0.389	-0.181	-0.187	-2.380	0.813	2	23
2	-0.063		0.230	0.014	0.034	0.282	-0.546	0.547	0.454	20	16
3	-0.035		0.219	-0.042	-0.452	0.171	-0.238	-3.056	0.762	1	22
4	0.028		0.198	-0.049	0.249	-0.157	0.444	0.839	1.444	24	32
5	-0.049	-0.204	0.296	-0.040	0.042	-0.512	-1.565	-0.538	-0.565	12	11
6	-0.013	-0.123	0.569	-0.010	0.000	0.180	-0.499	0.005	0.501	14	18
7	0.057		0.767	0.018	0.000	-0.486	1.153	-0.126	2.153	13	36
8	-0.079		0.621	-0.061	0.305	0.360	-0.459	1.379	0.541	31	19
9	-0.023		0.233	0.005	-0.143	-0.333	-0.096	-1.021	0.904	10	25
10	-0.020		0.671	0.028	-0.047	0.302	0.224	0.235	1.224	15	28
11	-0.062		1.228	-0.001	-0.347	0.536	0.132	-1.719	1.132	7	27
12	0.000		0.548	-0.010	-0.255	-0.218	0.366	-1.780	1.366	5	30
13	-0.072		0.604	-0.061	-0.132	-0.047	-0.397	-1.505	0.603	8	21
14	0.002		0.400	0.011	-0.359	0.428	0.289	-1.737	1.289	6	29
15	-0.035		0.442	0.005	0.251	0.700	-0.094	2.031	0.906	35	26
16	-0.059		0.224	0.038	-0.269	-0.079	-0.512	-1.241	0.488	9	17
17	0.012		0.788	-0.054	-0.239	0.222	0.661	-1.880	1.661	3	34
18	0.021		0.482	0.008	-0.357	0.251	0.558	-1.874	1.558	4	33
Avg	-0.023	-0.164	0.485	-0.011	-0.117	0.079	-0.042	-0.77	0.96	**219**	**447**
Std Dev	0.038	0.057	0.274	0.032	0.235	0.347	0.607	1.39	0.61		
										Critical Value =	**335**

Reject the null hypothesis - the survey unit meets the release criterion.
Estimated dose or risk due to residual activity in survey unit is less than release criterion.

ATTACHMENT 11

BACKFILL RESRAD REPORT

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Dose Conversion Factor (and Related) Parameter Summary
File: FGR 13 MORBIDITY

Menu	Parameter	Current Value	Base Case*	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Cs-137+D	3.190E-05	3.190E-05	DCF2(1)
B-1	Sr-90+D	1.308E-03	1.300E-03	DCF2(2)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Cs-137+D	5.000E-05	5.000E-05	DCF3(1)
D-1	Sr-90+D	1.528E-04	1.420E-04	DCF3(2)
D-34	Food transfer factors:			
D-34	Cs-137+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(1,1)
D-34	Cs-137+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.000E-02	3.000E-02	RTF(1,2)
D-34	Cs-137+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	8.000E-03	8.000E-03	RTF(1,3)
D-34				
D-34	Sr-90+D , plant/soil concentration ratio, dimensionless	3.000E-01	3.000E-01	RTF(2,1)
D-34	Sr-90+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-03	8.000E-03	RTF(2,2)
D-34	Sr-90+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-03	2.000E-03	RTF(2,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Cs-137+D , fish	2.000E+03	2.000E+03	BIOFAC(1,1)
D-5	Cs-137+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(1,2)
D-5				
D-5	Sr-90+D , fish	6.000E+01	6.000E+01	BIOFAC(2,1)
D-5	Sr-90+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(2,2)

*Base Case means Default.Lib w/o Associate Nuclide contributions.

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	9.052E+02	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	2.000E+00	2.000E+00	---	THICK0
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	3.000E+01	---	BRDL
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T(2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T(3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T(4)
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T(5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T(6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T(7)
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T(8)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(9)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
R012	Initial principal radionuclide (pCi/g): Cs-137	1.800E-02	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Sr-90	9.300E-02	0.000E+00	---	S1(2)
R012	Concentration in groundwater (pCi/L): Cs-137	not used	0.000E+00	---	W1(1)
R012	Concentration in groundwater (pCi/L): Sr-90	not used	0.000E+00	---	W1(2)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	2.000E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.000E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+02	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02	---	UW

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R015	Number of unsaturated zone strata	1	1	---	NS
R015	Unsat. zone 1, thickness (m)	4.000E+00	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+00	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ(1)
R016	Distribution coefficients for Cs-137				
R016	Contaminated zone (cm**3/g)	4.600E+03	4.600E+03	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	4.600E+03	4.600E+03	---	DCNUCU(1,1)
R016	Saturated zone (cm**3/g)	4.600E+03	4.600E+03	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.623E-05	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for Sr-90				
R016	Contaminated zone (cm**3/g)	3.000E+01	3.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	3.000E+01	3.000E+01	---	DCNUCU(2,1)
R016	Saturated zone (cm**3/g)	3.000E+01	3.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	5.516E-03	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.000E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	9.200E+01	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	5.100E+02	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	-1	-1	0.453E+00	FPLANT
R018	Contamination fraction of meat	-1	-1	0.453E-01	FMEAT
R018	Contamination fraction of milk	-1	-1	0.453E-01	FMILK
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	9.000E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	1.100E+00	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	8.000E-02	8.000E-02	---	TE(3)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)
R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	1.000E+00	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	2.000E+01	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
C14	DCF correction factor for gaseous forms of C14	not used	0.000E+00	---	CO2F
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	257	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	suppressed

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	905.19 square meters	Cs-137	1.800E-02
Thickness:	2.00 meters	Sr-90	9.300E-02
Cover Depth:	0.00 meters		

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 2.500E+01 mrem/yr
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	3.765E-01	3.658E-01	3.454E-01	2.825E-01	1.592E-01	2.168E-02	1.112E-04	3.628E-12
M(t):	1.506E-02	1.463E-02	1.382E-02	1.130E-02	6.369E-03	8.670E-04	4.450E-06	1.451E-13

Maximum TDOSE(t): 3.765E-01 mrem/yr at t = 0.000E+00 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	3.221E-02	0.0855	2.831E-08	0.0000	0.000E+00	0.0000	2.803E-03	0.0074	2.451E-04	0.0007	8.002E-05	0.0002	2.205E-05	0.0001
Sr-90	1.206E-03	0.0032	5.981E-06	0.0000	0.000E+00	0.0000	3.309E-01	0.8789	6.682E-03	0.0177	1.984E-03	0.0053	3.470E-04	0.0009
Total	3.341E-02	0.0887	6.010E-06	0.0000	0.000E+00	0.0000	3.337E-01	0.8864	6.927E-03	0.0184	2.064E-03	0.0055	3.691E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.536E-02	0.0939
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.411E-01	0.9061
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.765E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	3.147E-02	0.0860	2.766E-08	0.0000	0.000E+00	0.0000	2.738E-03	0.0075	2.395E-04	0.0007	7.819E-05	0.0002	2.154E-05	0.0001
Sr-90	1.171E-03	0.0032	5.809E-06	0.0000	0.000E+00	0.0000	3.214E-01	0.8784	6.490E-03	0.0177	1.927E-03	0.0053	3.370E-04	0.0009
Total	3.264E-02	0.0892	5.836E-06	0.0000	0.000E+00	0.0000	3.241E-01	0.8859	6.729E-03	0.0184	2.005E-03	0.0055	3.585E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.455E-02	0.0944
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.313E-01	0.9056
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.658E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	3.005E-02	0.0870	2.641E-08	0.0000	0.000E+00	0.0000	2.615E-03	0.0076	2.286E-04	0.0007	7.466E-05	0.0002	2.057E-05	0.0001
Sr-90	1.104E-03	0.0032	5.478E-06	0.0000	0.000E+00	0.0000	3.031E-01	0.8774	6.120E-03	0.0177	1.817E-03	0.0053	3.178E-04	0.0009
Total	3.115E-02	0.0902	5.504E-06	0.0000	0.000E+00	0.0000	3.057E-01	0.8850	6.349E-03	0.0184	1.892E-03	0.0055	3.384E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.299E-02	0.0955
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.124E-01	0.9045
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.454E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	2.555E-02	0.0905	2.246E-08	0.0000	0.000E+00	0.0000	2.224E-03	0.0079	1.944E-04	0.0007	6.349E-05	0.0002	1.749E-05	0.0001
Sr-90	8.992E-04	0.0032	4.461E-06	0.0000	0.000E+00	0.0000	2.468E-01	0.8737	4.985E-03	0.0176	1.480E-03	0.0052	2.588E-04	0.0009
Total	2.645E-02	0.0936	4.484E-06	0.0000	0.000E+00	0.0000	2.490E-01	0.8816	5.179E-03	0.0183	1.543E-03	0.0055	2.763E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.805E-02	0.0993
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.545E-01	0.9007
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.825E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	1.609E-02	0.1010	1.414E-08	0.0000	0.000E+00	0.0000	1.400E-03	0.0088	1.224E-04	0.0008	3.997E-05	0.0003	1.101E-05	0.0001
Sr-90	5.003E-04	0.0031	2.482E-06	0.0000	0.000E+00	0.0000	1.373E-01	0.8624	2.773E-03	0.0174	8.233E-04	0.0052	1.440E-04	0.0009
Total	1.659E-02	0.1042	2.496E-06	0.0000	0.000E+00	0.0000	1.387E-01	0.8712	2.896E-03	0.0182	8.632E-04	0.0054	1.550E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.766E-02	0.1109
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.416E-01	0.8891
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.592E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	3.184E-03	0.1469	2.799E-09	0.0000	0.000E+00	0.0000	2.770E-04	0.0128	2.423E-05	0.0011	7.911E-06	0.0004	2.179E-06	0.0001
Sr-90	6.425E-05	0.0030	3.188E-07	0.0000	0.000E+00	0.0000	1.764E-02	0.8136	3.562E-04	0.0164	1.057E-04	0.0049	1.849E-05	0.0009
Total	3.248E-03	0.1498	3.216E-07	0.0000	0.000E+00	0.0000	1.791E-02	0.8264	3.804E-04	0.0175	1.136E-04	0.0052	2.067E-05	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.495E-03	0.1612
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.818E-02	0.8388
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.168E-02	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	3.111E-05	0.2797	2.735E-11	0.0000	0.000E+00	0.0000	2.707E-06	0.0243	2.367E-07	0.0021	7.730E-08	0.0007	2.130E-08	0.0002
Sr-90	1.825E-07	0.0016	9.054E-10	0.0000	0.000E+00	0.0000	5.009E-05	0.4503	1.012E-06	0.0091	3.003E-07	0.0027	5.253E-08	0.0005
Total	3.130E-05	0.2813	9.327E-10	0.0000	0.000E+00	0.0000	5.280E-05	0.4746	1.248E-06	0.0112	3.776E-07	0.0034	7.382E-08	0.0007

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.416E-05	0.3070
Sr-90	2.340E-05	0.2103	1.187E-08	0.0001	0.000E+00	0.0000	1.755E-06	0.0158	1.824E-07	0.0016	9.954E-08	0.0009	7.708E-05	0.6930
Total	2.340E-05	0.2103	1.187E-08	0.0001	0.000E+00	0.0000	1.755E-06	0.0158	1.824E-07	0.0016	9.954E-08	0.0009	1.112E-04	1.000[illegible]

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	2.870E-12	0.7910	2.523E-18	0.0000	0.000E+00	0.0000	2.497E-13	0.0688	2.184E-14	0.0060	7.131E-15	0.0020	1.965E-15	0.0005
Sr-90	2.228E-16	0.0001	1.106E-18	0.0000	0.000E+00	0.0000	6.116E-14	0.0169	1.235E-15	0.0003	3.667E-16	0.0001	6.414E-17	0.0000
Total	2.870E-12	0.7911	3.628E-18	0.0000	0.000E+00	0.0000	3.109E-13	0.0857	2.307E-14	0.0064	7.498E-15	0.0021	2.029E-15	0.0006

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.151E-12	0.8683
Sr-90	3.812E-13	0.1051	1.934E-16	0.0001	0.000E+00	0.0000	2.861E-14	0.0079	2.977E-15	0.0008	1.623E-15	0.0004	4.777E-13	0.1317
Tot	3.812E-13	0.1051	1.934E-16	0.0001	0.000E+00	0.0000	2.861E-14	0.0079	2.977E-15	0.0008	1.623E-15	0.0004	3.628E-12	1.0000

*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Thread Fraction	DSR(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137+D	Cs-137+D	1.000E+00	1.964E+00	1.919E+00	1.833E+00	1.559E+00	9.811E-01	1.942E-01	1.898E-03	1.750E-10
Sr-90+D	Sr-90+D	1.000E+00	3.668E+00	3.562E+00	3.359E+00	2.736E+00	1.522E+00	1.955E-01	8.289E-04	5.137E-12

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 2.500E+01 mrem/yr

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137	1.273E+01	1.303E+01	1.364E+01	1.604E+01	2.548E+01	1.287E+02	1.318E+04	1.428E+11
Sr-90	6.815E+00	7.018E+00	7.442E+00	9.137E+00	1.642E+01	1.279E+02	3.016E+04	4.867E+12

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
at tmin = time of minimum single radionuclide soil guideline
and at tmax = time of maximum total dose = 0.000E+00 years

Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Cs-137	1.800E-02	0.000E+00	1.964E+00	1.273E+01	1.964E+00	1.273E+01
Sr-90	9.300E-02	0.000E+00	3.668E+00	6.815E+00	3.668E+00	6.815E+00

Individual Nuclide Dose Summed Over All Pathways
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	THF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137	Cs-137	1.000E+00	3.536E-02	3.455E-02	3.299E-02	2.805E-02	1.766E-02	3.495E-03	3.416E-05	3.151E-12
Sr-90	Sr-90	1.000E+00	3.411E-01	3.313E-01	3.124E-01	2.545E-01	1.416E-01	1.818E-02	7.708E-05	4.777E-13

THF(i) is the thread fraction of the parent nuclide.

Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137	Cs-137	1.000E+00	1.800E-02	1.759E-02	1.679E-02	1.428E-02	8.990E-03	1.779E-03	1.739E-05	1.604E-12
Sr-90	Sr-90	1.000E+00	9.300E-02	9.031E-02	8.517E-02	6.937E-02	3.859E-02	4.956E-03	1.408E-05	1.719E-14

THF(i) is the thread fraction of the parent nuclide.

RESCALC.EXE execution time = 1.41 seconds

ATTACHMENT 12

TRENCH UNIT RESRAD REPORT

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Dose Conversion Factor (and Related) Parameter Summary
File: FGR 13 MORBIDITY

Menu	Parameter	Current Value	Base Case*	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Cs-137+D	3.190E-05	3.190E-05	DCF2(1)
B-1	Sr-90+D	1.308E-03	1.300E-03	DCF2(2)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Cs-137+D	5.000E-05	5.000E-05	DCF3(1)
D-1	Sr-90+D	1.528E-04	1.420E-04	DCF3(2)
D-34	Food transfer factors:			
D-34	Cs-137+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(1,1)
D-34	Cs-137+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.000E-02	3.000E-02	RTF(1,2)
D-34	Cs-137+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	8.000E-03	8.000E-03	RTF(1,3)
D-34				
D-34	Sr-90+D , plant/soil concentration ratio, dimensionless	3.000E-01	3.000E-01	RTF(2,1)
D-34	Sr-90+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-03	8.000E-03	RTF(2,2)
D-34	Sr-90+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-03	2.000E-03	RTF(2,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Cs-137+D , fish	2.000E+03	2.000E+03	BIOFAC(1,1)
D-5	Cs-137+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(1,2)
D-5				
D-5	Sr-90+D , fish	6.000E+01	6.000E+01	BIOFAC(2,1)
D-5	Sr-90+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(2,2)

*Base Case means Default.Lib w/o Associate Nuclide contributions.

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	9.052E+02	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	2.000E+00	2.000E+00	---	THICK0
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	3.000E+01	---	BRDL
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T(2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T(3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T(4)
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T(5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T(6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T(7)
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T(8)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(9)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
R012	Initial principal radionuclide (pCi/g): Cs-137	4.000E-03	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Sr-90	1.570E-01	0.000E+00	---	S1(2)
R012	Concentration in groundwater (pCi/L): Cs-137	not used	0.000E+00	---	W1(1)
R012	Concentration in groundwater (pCi/L): Sr-90	not used	0.000E+00	---	W1(2)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	2.000E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.000E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+02	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02	---	UW

Site-Specific Parameter Summary (continued)

Me	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R015	Number of unsaturated zone strata	1	1	---	NS
R015	Unsat. zone 1, thickness (m)	4.000E+00	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+00	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ(1)
R016	Distribution coefficients for Cs-137				
R016	Contaminated zone (cm**3/g)	4.600E+03	4.600E+03	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	4.600E+03	4.600E+03	---	DCNUCU(1,1)
R016	Saturated zone (cm**3/g)	4.600E+03	4.600E+03	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.623E-05	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for Sr-90				
R016	Contaminated zone (cm**3/g)	3.000E+01	3.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	3.000E+01	3.000E+01	---	DCNUCU(2,1)
R016	Saturated zone (cm**3/g)	3.000E+01	3.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	5.516E-03	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.000E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	9.200E+01	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	5.100E+02	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	-1	-1	0.453E+00	FPLANT
R018	Contamination fraction of meat	-1	-1	0.453E-01	FMEAT
R018	Contamination fraction of milk	-1	-1	0.453E-01	FMILK
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	9.000E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	1.100E+00	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	8.000E-02	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)

Site-Specific Parameter Summary (continued)

Me	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	1.000E+00	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	2.000E+01	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
C14	DCF correction factor for gaseous forms of C14	not used	0.000E+00	---	CO2F
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
TITL	Maximum number of integration points for risk	257	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	suppressed

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	905.19 square meters	Cs-137	4.000E-03
Thickness:	2.00 meters	Sr-90	1.570E-01
Cover Depth:	0.00 meters		

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 2.500E+01 mrem/yr
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	5.838E-01	5.669E-01	5.348E-01	4.358E-01	2.429E-01	3.147E-02	1.377E-04	1.507E-12
M(t):	2.335E-02	2.268E-02	2.139E-02	1.743E-02	9.716E-03	1.259E-03	5.509E-06	6.026E-14

Maximum TDOSE(t): 5.838E-01 mrem/yr at t = 0.000E+00 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	7.157E-03	0.0123	6.291E-09	0.0000	0.000E+00	0.0000	6.228E-04	0.0011	5.446E-05	0.0001	1.778E-05	0.0000	4.899E-06	0.0000
Sr-90	2.035E-03	0.0035	1.010E-05	0.0000	0.000E+00	0.0000	5.586E-01	0.9570	1.128E-02	0.0193	3.349E-03	0.0057	5.858E-04	0.0010
Total	9.193E-03	0.0157	1.010E-05	0.0000	0.000E+00	0.0000	5.593E-01	0.9580	1.134E-02	0.0194	3.367E-03	0.0058	5.907E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.857E-03	0.0135
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.759E-01	0.9865
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.838E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	6.994E-03	0.0123	6.147E-09	0.0000	0.000E+00	0.0000	6.085E-04	0.0011	5.321E-05	0.0001	1.738E-05	0.0000	4.787E-06	0.0000
Sr-90	1.976E-03	0.0035	9.806E-06	0.0000	0.000E+00	0.0000	5.425E-01	0.9569	1.096E-02	0.0193	3.252E-03	0.0057	5.689E-04	0.0010
Total	8.970E-03	0.0158	9.812E-06	0.0000	0.000E+00	0.0000	5.431E-01	0.9580	1.101E-02	0.0194	3.270E-03	0.0058	5.737E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.677E-03	0.0135
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.593E-01	0.9865
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.669E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	6.677E-03	0.0125	5.869E-09	0.0000	0.000E+00	0.0000	5.810E-04	0.0011	5.081E-05	0.0001	1.659E-05	0.0000	4.570E-06	0.0000
Sr-90	1.864E-03	0.0035	9.247E-06	0.0000	0.000E+00	0.0000	5.116E-01	0.9567	1.033E-02	0.0193	3.067E-03	0.0057	5.365E-04	0.0010
Total	8.541E-03	0.0160	9.253E-06	0.0000	0.000E+00	0.0000	5.122E-01	0.9578	1.038E-02	0.0194	3.084E-03	0.0058	5.411E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.330E-03	0.0137
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.274E-01	0.9863
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.348E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	5.679E-03	0.0130	4.992E-09	0.0000	0.000E+00	0.0000	4.941E-04	0.0011	4.321E-05	0.0001	1.411E-05	0.0000	3.887E-06	0.0000
Sr-90	1.518E-03	0.0035	7.532E-06	0.0000	0.000E+00	0.0000	4.167E-01	0.9561	8.415E-03	0.0193	2.498E-03	0.0057	4.370E-04	0.0010
Total	7.197E-03	0.0165	7.536E-06	0.0000	0.000E+00	0.0000	4.172E-01	0.9573	8.458E-03	0.0194	2.512E-03	0.0058	4.408E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.234E-03	0.0143
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.296E-01	0.9857
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.358E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	3.575E-03	0.0147	3.142E-09	0.0000	0.000E+00	0.0000	3.111E-04	0.0013	2.720E-05	0.0001	8.882E-06	0.0000	2.447E-06	0.0000
Sr-90	8.445E-04	0.0035	4.190E-06	0.0000	0.000E+00	0.0000	2.318E-01	0.9544	4.682E-03	0.0193	1.390E-03	0.0057	2.431E-04	0.0010
Total	4.419E-03	0.0182	4.193E-06	0.0000	0.000E+00	0.0000	2.321E-01	0.9556	4.709E-03	0.0194	1.399E-03	0.0058	2.455E-04	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.924E-03	0.0162
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.390E-01	0.9838
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.429E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	7.075E-04	0.0225	6.219E-10	0.0000	0.000E+00	0.0000	6.157E-05	0.0020	5.384E-06	0.0002	1.758E-06	0.0001	4.843E-07	0.0000
Sr-90	1.085E-04	0.0034	5.381E-07	0.0000	0.000E+00	0.0000	2.977E-02	0.9461	6.013E-04	0.0191	1.785E-04	0.0057	3.122E-05	0.0010
Total	8.160E-04	0.0259	5.388E-07	0.0000	0.000E+00	0.0000	2.983E-02	0.9480	6.066E-04	0.0193	1.803E-04	0.0057	3.171E-05	0.0010

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.767E-04	0.0247
Sr-90	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.069E-02	0.9753
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.147E-02	1.0000

*Su[illegible]f all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	6.914E-06	0.0502	6.078E-12	0.0000	0.000E+00	0.0000	6.016E-07	0.0044	5.261E-08	0.0004	1.718E-08	0.0001	4.732E-09	0.0000
Sr-90	3.081E-07	0.0022	1.528E-09	0.0000	0.000E+00	0.0000	8.456E-05	0.6140	1.708E-06	0.0124	5.070E-07	0.0037	8.867E-08	0.0006
Total	7.222E-06	0.0524	1.535E-09	0.0000	0.000E+00	0.0000	8.516E-05	0.6184	1.760E-06	0.0128	5.241E-07	0.0038	9.341E-08	0.0007

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.590E-06	0.0551
Sr-90	3.950E-05	0.2868	2.004E-08	0.0001	0.000E+00	0.0000	2.963E-06	0.0215	3.079E-07	0.0022	1.680E-07	0.0012	1.301E-04	0.9449
Total	3.950E-05	0.2868	2.004E-08	0.0001	0.000E+00	0.0000	2.963E-06	0.0215	3.079E-07	0.0022	1.680E-07	0.0012	1.377E-04	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	6.378E-13	0.4233	5.606E-19	0.0000	0.000E+00	0.0000	5.550E-14	0.0368	4.853E-15	0.0032	1.585E-15	0.0011	4.366E-16	0.0003
Sr-90	3.762E-16	0.0002	1.866E-18	0.0000	0.000E+00	0.0000	1.033E-13	0.0685	2.085E-15	0.0014	6.190E-16	0.0004	1.083E-16	0.0001
Total	6.382E-13	0.4236	2.427E-18	0.0000	0.000E+00	0.0000	1.588E-13	0.1054	6.938E-15	0.0046	2.204E-15	0.0015	5.448E-16	0.0004

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Cs-137	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.002E-13	0.4647
Sr-90	6.436E-13	0.4272	3.266E-16	0.0002	0.000E+00	0.0000	4.830E-14	0.0321	5.026E-15	0.0033	2.740E-15	0.0018	8.064E-13	0.5353
Total	6.436E-13	0.4272	3.266E-16	0.0002	0.000E+00	0.0000	4.830E-14	0.0321	5.026E-15	0.0033	2.740E-15	0.0018	1.507E-12	1.0000

*Su[illegible]f all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Thread Fraction	DSR(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137+D	Cs-137+D	1.000E+00	1.964E+00	1.919E+00	1.833E+00	1.559E+00	9.811E-01	1.942E-01	1.898E-03	1.750E-10
Sr-90+D	Sr-90+D	1.000E+00	3.668E+00	3.562E+00	3.359E+00	2.736E+00	1.522E+00	1.955E-01	8.289E-04	5.137E-12

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 2.500E+01 mrem/yr

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137	1.273E+01	1.303E+01	1.364E+01	1.604E+01	2.548E+01	1.287E+02	1.318E+04	1.428E+11
Sr-90	6.815E+00	7.018E+00	7.442E+00	9.137E+00	1.642E+01	1.279E+02	3.016E+04	4.867E+12

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
at tmin = time of minimum single radionuclide soil guideline
and at tmax = time of maximum total dose = 0.000E+00 years

Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Cs-137	4.000E-03	0.000E+00	1.964E+00	1.273E+01	1.964E+00	1.273E+01
Sr-90	1.570E-01	0.000E+00	3.668E+00	6.815E+00	3.668E+00	6.815E+00

Individual Nuclide Dose Summed Over All Pathways
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	THF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137	Cs-137	1.000E+00	7.857E-03	7.677E-03	7.330E-03	6.234E-03	3.924E-03	7.767E-04	7.590E-06	7.002E-13
Sr-90	Sr-90	1.000E+00	5.759E-01	5.593E-01	5.274E-01	4.296E-01	2.390E-01	3.069E-02	1.301E-04	8.064E-13

THF(i) is the thread fraction of the parent nuclide.

Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Cs-137	Cs-137	1.000E+00	4.000E-03	3.908E-03	3.732E-03	3.174E-03	1.998E-03	3.954E-04	3.864E-06	3.564E-13
Sr-90	Sr-90	1.000E+00	1.570E-01	1.525E-01	1.438E-01	1.171E-01	6.515E-02	8.367E-03	2.376E-05	2.902E-14

THF(i) is the thread fraction of the parent nuclide.

RESCALC.EXE execution time = 1.46 seconds