3.0 SOIL AND VEGETATION MONITORING

The radionuclide content of soil and vegetation was measured to evaluate long-term trends in environmental accumulation of radioactivity in the 100, 200/600, and 300/400 Areas. Soil and vegetation samples were collected on or near facilities that store, handle, or dispose of radioactive waste. The number of soil and vegetation samples collected in 2003 and their locations are shown in Table 3-1.

Table 3-1. Soil and Vegetation Samples Collected in 2003.

Sample type	Number of sample locations	Operational area						
		100-B/C	100-F	100-K	100-N	200/600[a]	300/400	ERDF[b]
Soil	82	5	2	2	1	57	14	1
Vegetation	65	0	0	0	4	48	13	0

[a]Odd-numbered soil and vegetation sampling locations in the 200/600 Areas are sampled in odd-numbered years.
[b]Environmental Restoration Disposal Facility (ERDF).

Soil sampling locations are illustrated in Figures 3-1 through 3-9. Historical soil sampling results for the 100, 200/600, and 300/400 Areas are displayed in Table 3-2. The 2003 soil sampling results for all areas are provided in Table 3-3.

Vegetation sampling locations are illustrated in Figures 3-10 through 3-15. Historical vegetation sampling results for the 100-N, 200/600, and 300/400 Areas are displayed in Table 3-4. The 2003 vegetation sampling results for all areas are provided in Table 3-5.

Radionuclide analyses indicated that cobalt-60, strontium-90, cesium-137, plutonium-239/240, and uranium were consistently detectable in both soil and vegetation samples in 2003. Generally, the predominant radionuclides observed in soil samples were activation and fission products in the 100 Areas, fission products in the 200 Areas, and uranium in the 300 Area. For vegetation samples, the predominant radionuclides were generally activation and fission products in the 100 Areas, fission products in the 200 Areas, and uranium in the 300 Area.

Strontium-90 results for soil and vegetation samples for this report period showed a frequent occurrence of negative (i.e., less than zero) concentrations. This was primarily due to changes in laboratory background correction calculations that were implemented in 2003. Both historical and current values are within accepted statistical ranges as evidenced by laboratory QA and performance evaluation programs.

Additional discussion of the 2003 results can be found in Section 3.2 of PNNL-14687.

Figure 3-1. 2003 Soil Sampling Locations, 100-B/C Area.

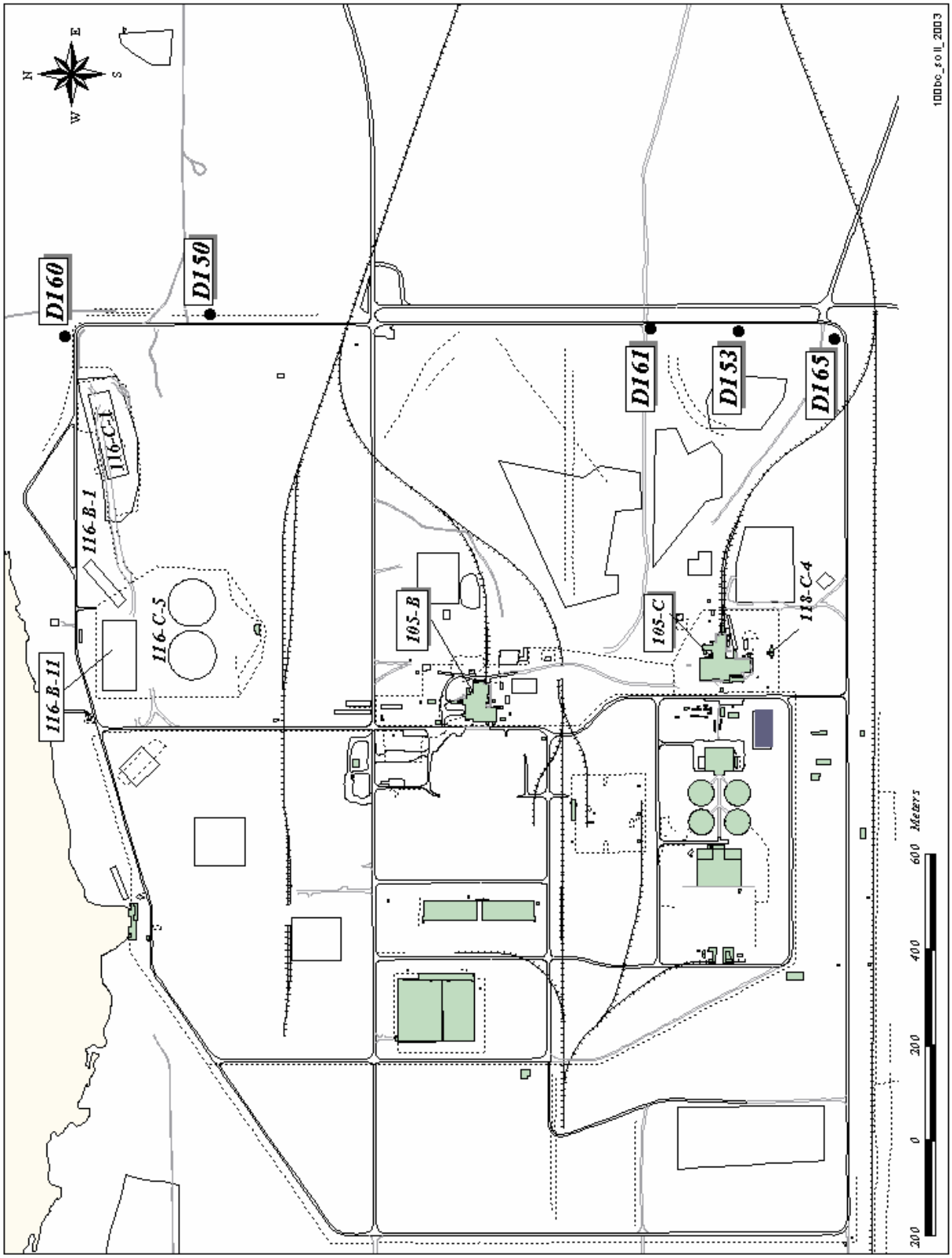
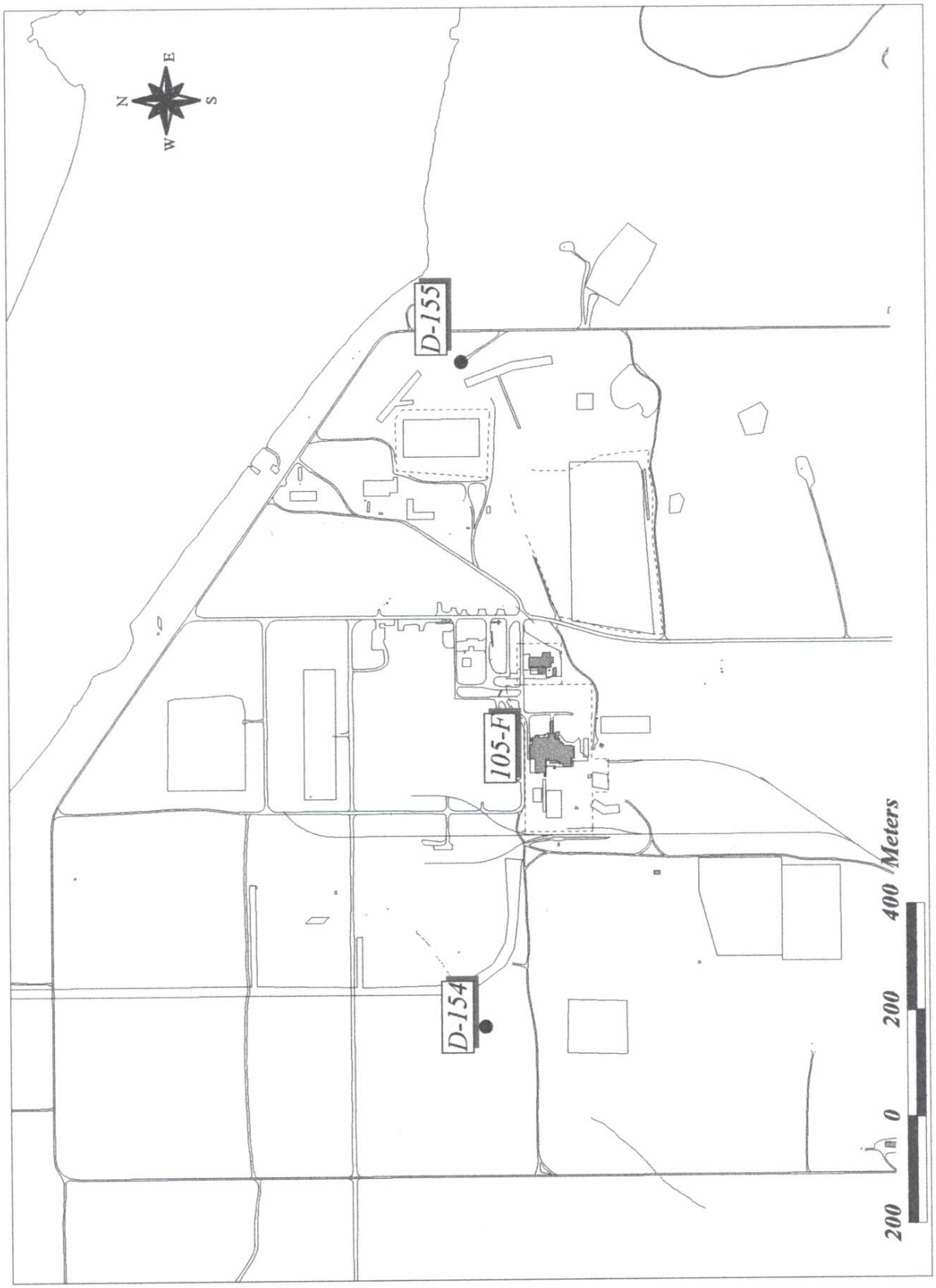


Figure 3-2. 2003 Soil Sampling Locations, 100-F Area.



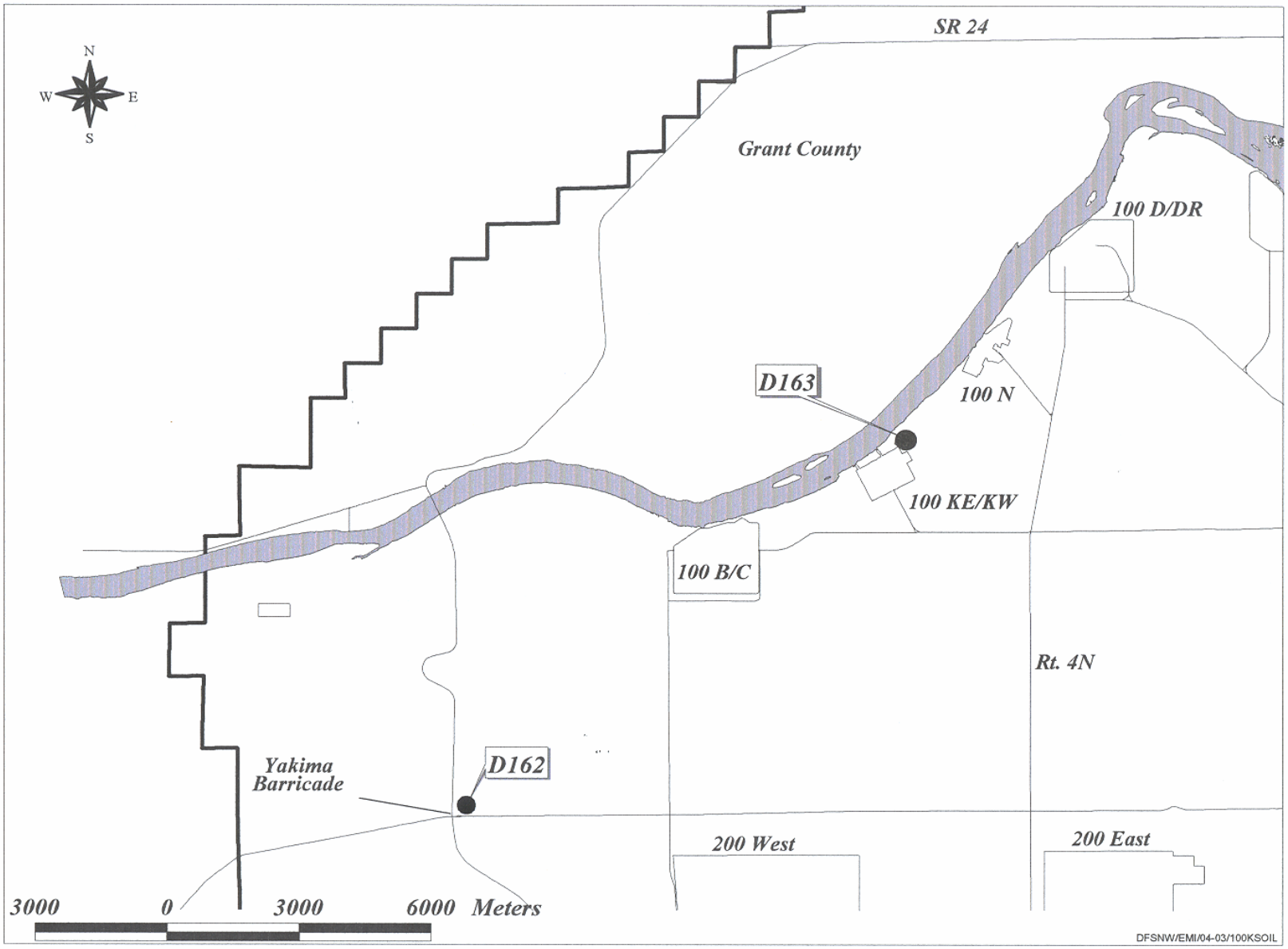
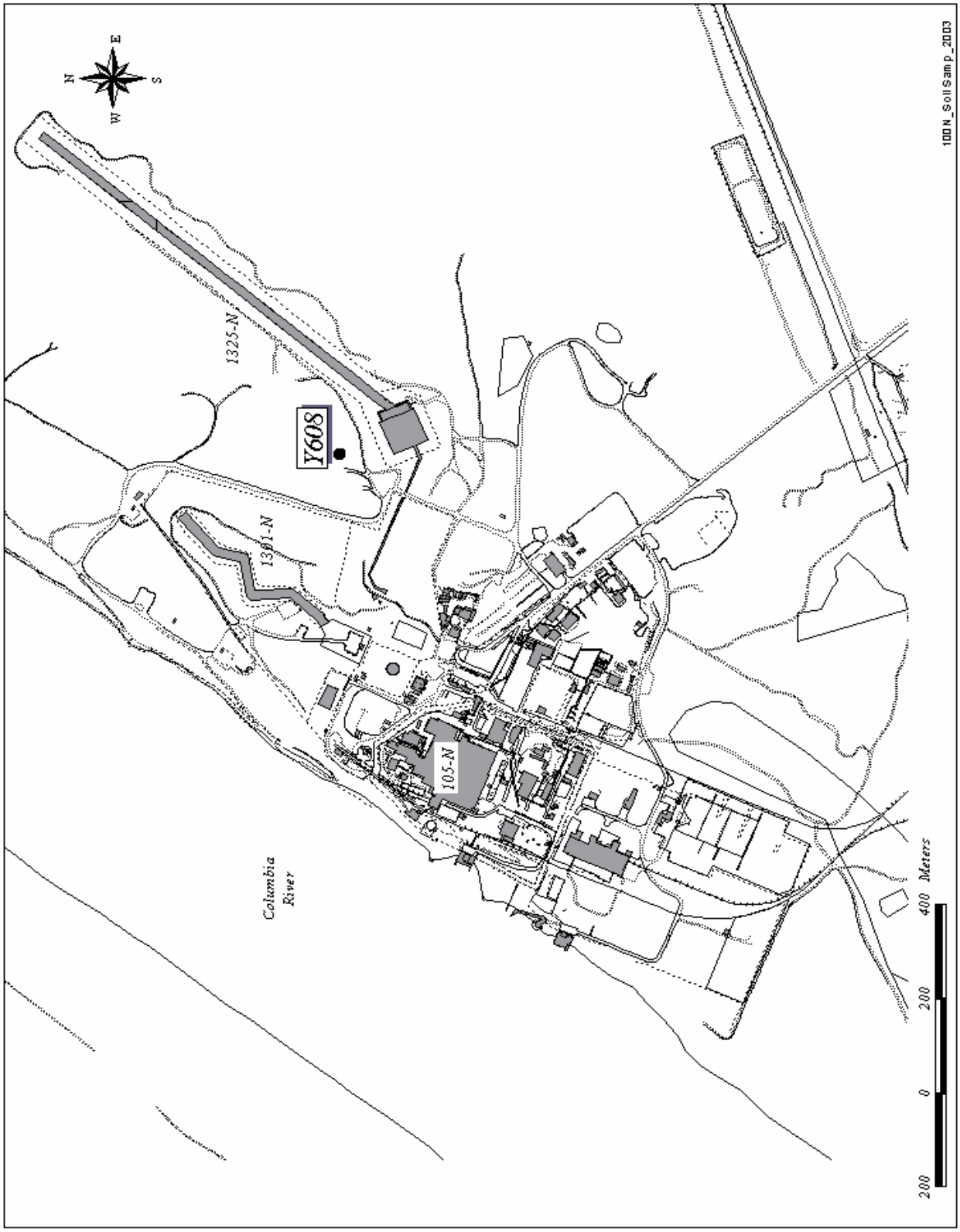


Figure 3-3. 2003 Soil Sampling Locations, 100-K Area.

Figure 3-4. 2003 Soil Sampling Locations, 100-N Area.



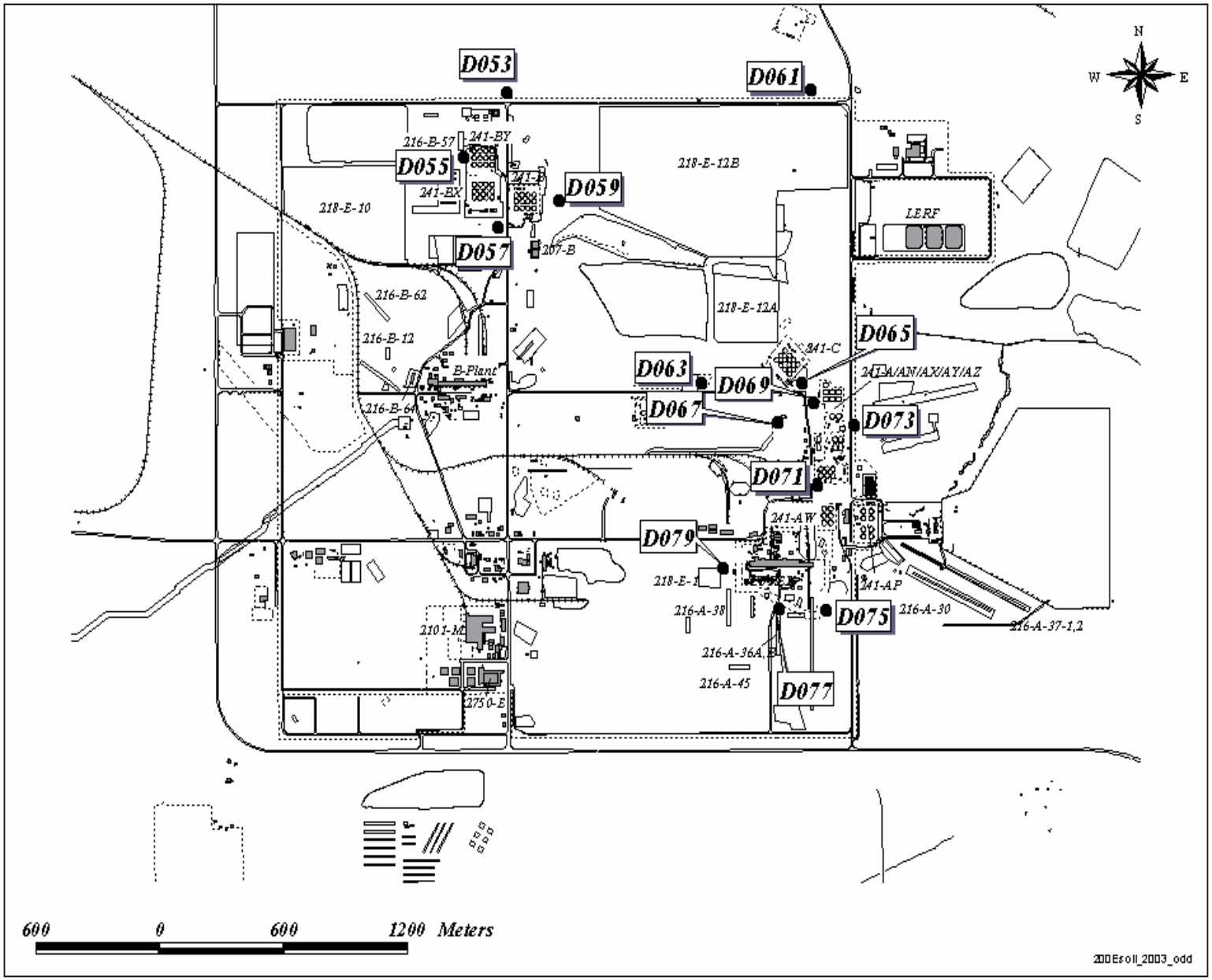


Figure 3-5. 2003 Soil Sampling Locations, 200 East Area.

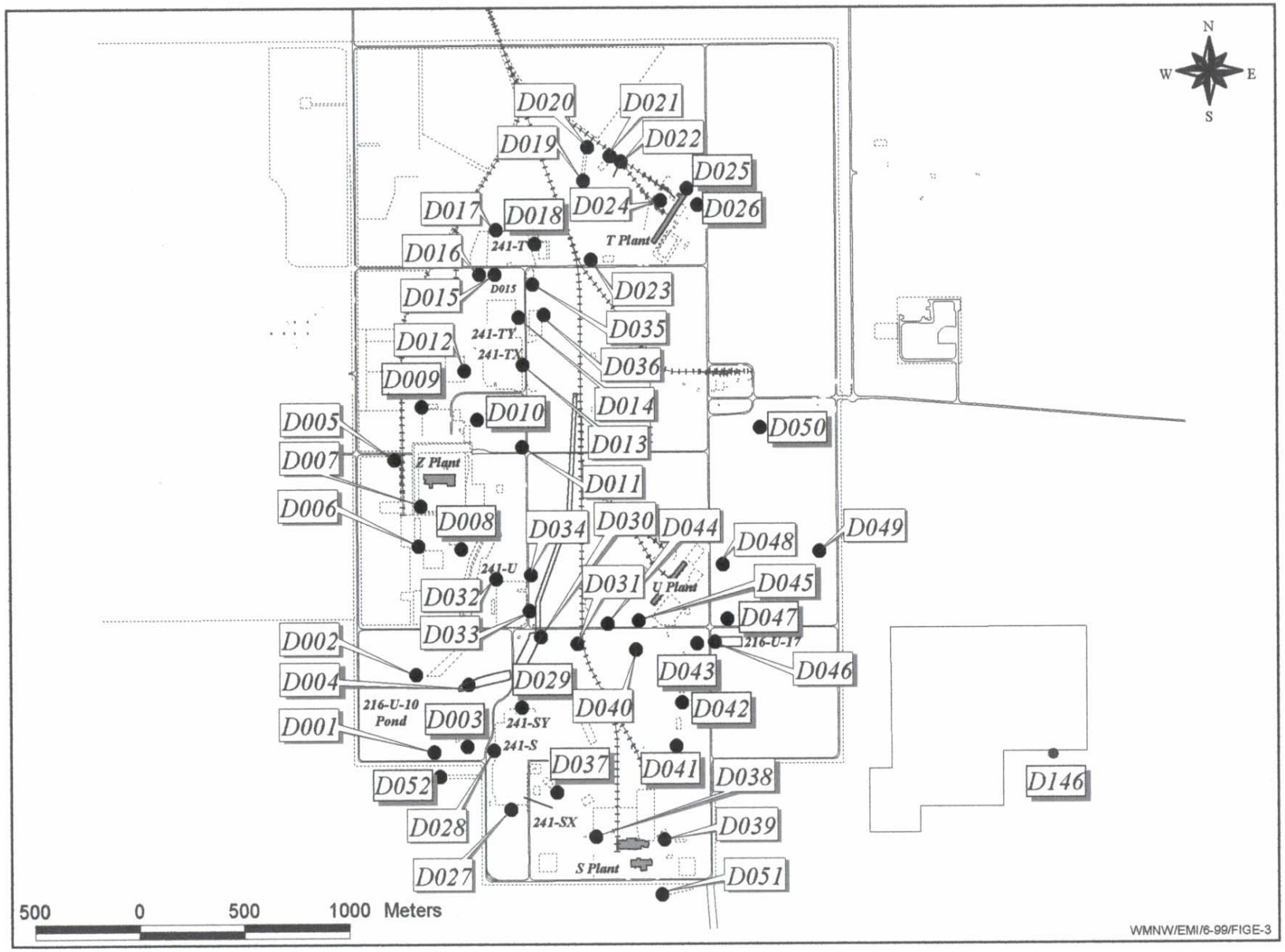


Figure 3-6. 2003 Soil Sampling Locations, 200 West Area.

Figure 3-7. 2003 Soil Sampling Locations, 300 Area.

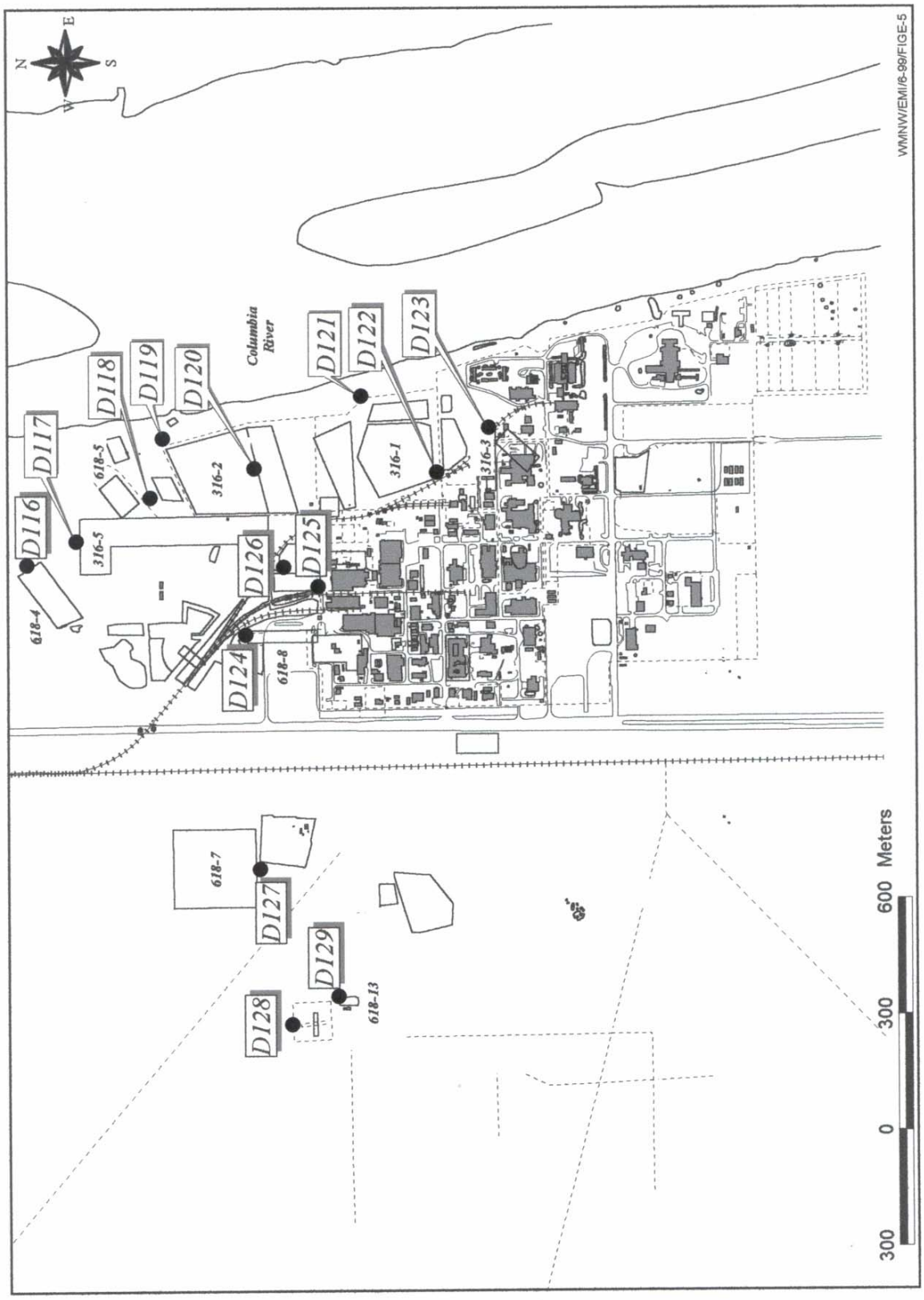
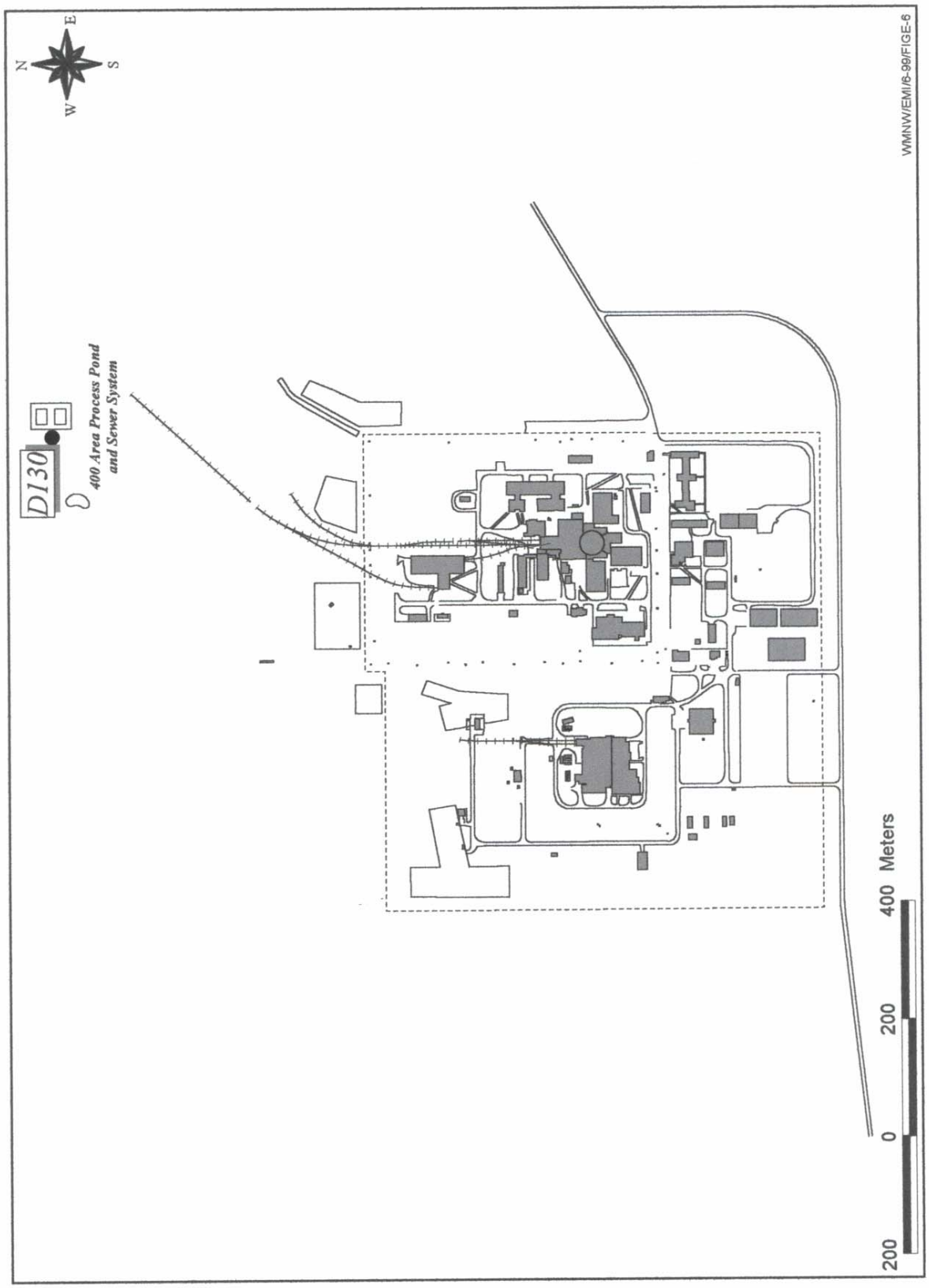


Figure 3-8. 2003 Soil Sampling Locations, 400 Area.



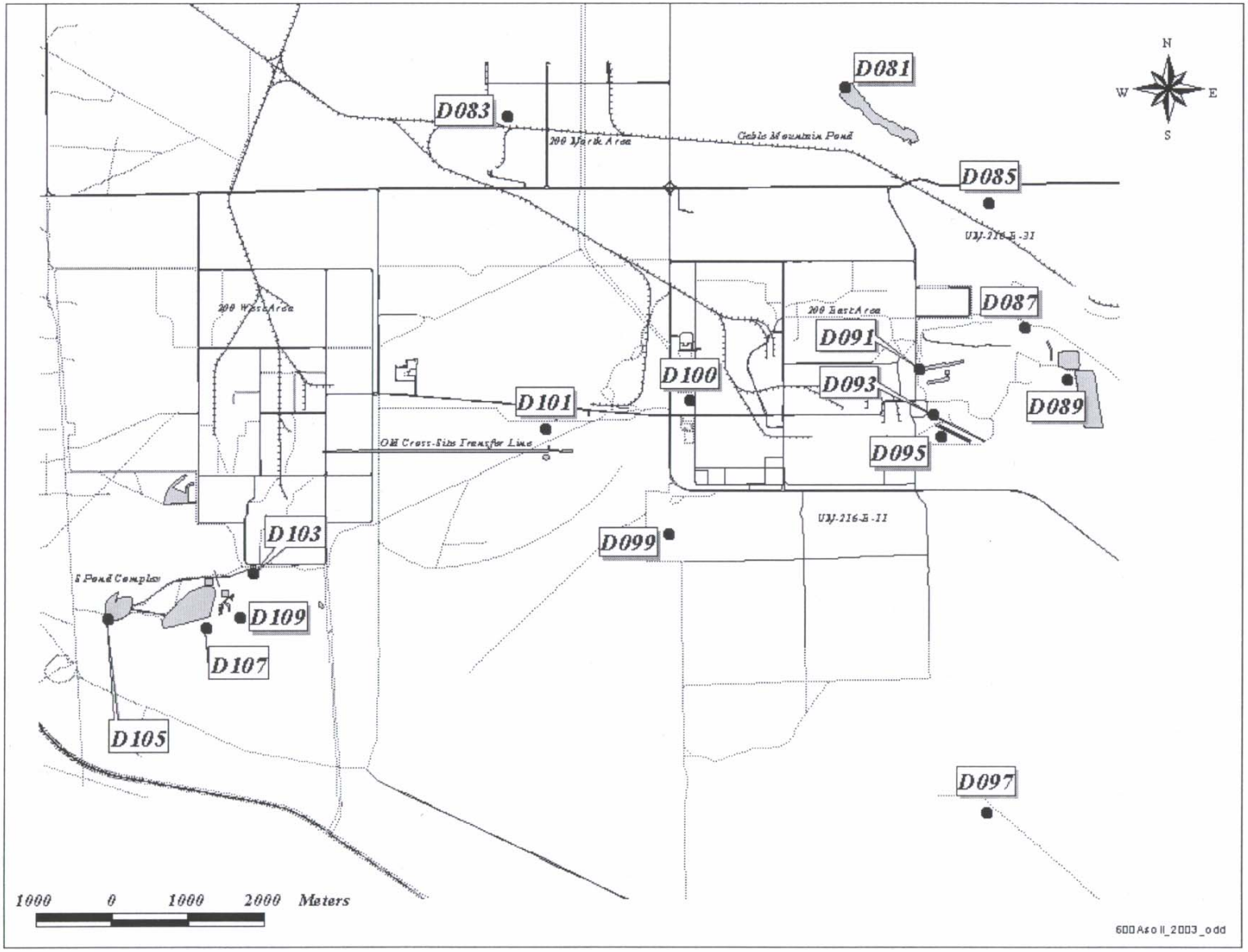


Figure 3-9. 2003 Soil Sampling Locations, 600 Area.

Table 3-2. Average Radionuclide Concentrations (pCi/g[a]) in Hanford Soils, 1995 through 2003.

100 Areas

Year	^{60}Co	^{90}Sr	^{137}Cs	^{234}U	^{238}U	^{239,240}Pu
1995	9.4E-01 ± 9.9E+01	1.3E-01 ± 6.9E-02	5.1E-01 ± 2.4E-01	9.1E-02 ± 1.0E-02	9.7E-02 ± 2.7E-02	1.4E-02 ± 9.3E-03
1996	1.5E+00 ± 1.1E+00	2.0E-01 ± 7.6E-02	7.7E-01 ± 4.1E-01	5.7E-02 ± 8.0E-03	5.7E-01 ± 1.2E-01	4.3E-02 ± 1.6E-02
1997	2.5E+00 ± 3.0E-01	3.9E-01 ± 6.5E-01	8.9E-01 ± 8.9E-01	2.1E-01 ± 3.8E-02	2.1E-01 ± 3.4E-02	9.1E-01 ± 1.6E+00
1998	4.9E+00 ± 7.7E+00	1.2E+00 ± 1.1E+00	3.1E+00 ± 4.1E+00	2.1E-01 ± 6.0E-02	1.7E-01 ± 3.0E-02	1.5E-01 ± 1.3E-01
1999	1.6E+00 ± 2.1E+00	2.0E+00 ± 2.0E+00	8.4E-01 ± 8.1E-01	2.2E-01 ± 3.0E-02	2.0E-01 ± 3.0E-02	2.9E-02 ± 2.3E-02
2000	3.1E+00 ± 3.0E+00	8.4E-01 ± 4.5E-01	2.5E+00 ± 2.3E+00	2.2E-01 ± 8.7E-02	2.2E-01 ± 3.2E-02	5.8E-02 ± 3.3E-02
2001	4.0E-01 ± 3.4E-01	4.8E-01 ± 3.0E-01	3.9E-01 ± 1.6E-01	2.4E-01 ± 3.6E-02	2.5E-01 ± 2.7E-02	3.1E-02 ± 2.0E-02
2002	3.0E-01 ± 1.1E+00	1.5E-01 ± 4.7E-01	2.6E-01 ± 5.1E-01	1.3E-01 ± 4.7E-02	1.1E-01 ± 3.9E-02	6.1E-03 ± 6.1E-03
2003	1.8E-01 ± 2.1E-02	-8.2E-02 ± 2.4E-01	2.1E-01 ± 3.6E-02	1.4E-01 ± 4.8E-02	1.5E-01 ± 5.1E-02	1.8E-03 ± 6.3E-03

200/600 Areas

Year	^{60}Co	^{90}Sr	^{137}Cs	^{234}U	^{238}U	^{239,240}Pu
1995	4.0E-03 ± 4.0E-03	4.9E-01 ± 1.8E-01	2.7E+00 ± 1.1E+00	1.2E-01 ± 1.7E-02	1.2E-01 ± 1.6E-02	7.0E-02 ± 3.0E-02
1996	3.0E-03 ± 3.0E-03	3.5E-01 ± 2.0E-01	2.0E+00 ± 7.0E-01	1.0E-01 ± 1.2E-02	1.1E-01 ± 1.2E-02	1.6E-01 ± 1.0E-01
1997	3.0E-02 ± 2.0E-02	6.7E-01 ± 2.3E-01	1.8E+00 ± 4.0E-01	2.0E-01 ± 1.4E-02	2.0E-01 ± 1.4E-02	1.0E-01 ± 7.0E-02
1998	1.9E-02 ± 6.0E-03	5.0E-01 ± 1.4E-01	1.1E+00 ± 4.0E-01	1.9E-01 ± 1.0E-02	1.9E-01 ± 1.0E-02	1.3E-01 ± 1.0E-02
1999	Not Detected	1.1E+00 ± 5.0E-01	1.4E+00 ± 5.0E-01	2.3E-01 ± 2.0E-02	2.2E-01 ± 2.0E-02	1.0E-01 ± 5.0E-02
2000	6.0E-03 ± 6.0E-03	1.1E+00 ± 2.0E-01	1.4E+00 ± 5.0E-01	2.3E-01 ± 3.0E-02	2.3E-01 ± 3.0E-02	4.1E-01 ± 4.2E-01
2001	Not Detected	5.5E-01 ± 2.3E-01	1.5E+00 ± 5.4E-01	2.2E-01 ± 1.4E-02	2.2E-01 ± 1.4E-02	1.3E-01 ± 6.2E-02
2002	Not Detected	2.7E-01 ± 6.6E-01	1.4E+00 ± 4.3E+00	1.7E-01 ± 1.0E-01	1.7E-01 ± 1.1E-01	1.2E-01 ± 7.2E-01
2003	2.4E-03 ± 1.3E-02	8.4E-02 ± 6.3E-01	1.8E+00 ± 6.3E-01	1.6E-01 ± 9.6E-02	1.7E-01 ± 1.0E-01	9.3E-02 ± 5.0E-01

300/400 Areas

Year	^{60}Co	^{90}Sr	^{137}Cs	^{234}U	^{238}U	^{239,240}Pu
1995	2.0E-03 ± 1.0E-03	5.0E-02 ± 2.0E-02	2.4E-01 ± 1.1E-01	2.1E+00 ± 2.0E+00	2.1E+00 ± 2.1E+00	2.6E-02 ± 2.4E-02
1996	2.0E-03 ± 6.0E-03	4.0E-02 ± 1.0E-02	1.5E-01 ± 7.0E-02	1.3E+00 ± 1.0E+00	1.2E+00 ± 1.0E+00	2.5E-02 ± 3.3E-02
1997	Not Detected	4.5E-01 ± 1.9E-01	7.0E-02 ± 3.0E-02	9.0E-01 ± 1.0E-01	9.0E-01 ± 9.0E-01	3.8E-02 ± 4.9E-02
1998	Not Detected	2.4E-01 ± 1.2E-01	9.0E-02 ± 8.0E-02	8.5E-01 ± 9.8E-01	8.2E-01 ± 9.8E-01	4.5E-02 ± 5.7E-02
1999	Not Detected	8.7E-01 ± 1.9E-01	9.0E-02 ± 3.0E-02	7.5E-01 ± 5.4E-01	7.1E-01 ± 5.3E-01	4.0E-02 ± 2.0E-02
2000	Not Detected	5.9E-01 ± 1.8E-01	1.4E-01 ± 6.0E-02	5.4E+00 ± 5.6E+00	5.4E+00 ± 5.7E+00	1.7E-01 ± 8.0E-02
2001	Not Detected	Not Detected	5.0E-02 ± 2.1E-02	9.4E-01 ± 7.1E-01	9.5E-01 ± 7.3E-01	4.1E-02 ± 2.6E-02
2002	Not Detected	2.8E-02 ± 2.9E-02	7.4E-02 ± 1.3E-01	1.5E+00 ± 6.4E+00	1.5E+00 ± 6.4E+00	2.4E-02 ± 9.9E-02
2003	Not Detected	5.6E-02 ± 7.3E-02	8.1E-02 ± 1.4E-01	1.3E+00 ± 5.1E+00	1.3E+00 ± 5.2E+00	7.5E-02 ± 3.8E-01

[a] ± 2 standard deviations

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty).

Location	Isotope	Result	±	Error	RQ*
D146 (ERDF)	^{144}Ce	-2.8E-02	±	9.8E-02	U
	^{60}Co	1.1E-02	±	7.8E-03	
	^{134}Cs	2.6E-02	±	9.6E-03	U
	^{137}Cs	2.3E-02	±	8.4E-03	
	^{152}Eu	-6.3E-03	±	2.0E-02	U
	^{154}Eu	-2.4E-03	±	1.9E-02	U
	^{155}Eu	1.9E-02	±	2.6E-02	U
	^{238}Pu	-4.8E-03	±	1.3E-02	U
	^{239,240}Pu	-3.2E-03	±	6.4E-03	U
	^{103}Ru	-1.2E-03	±	5.1E-03	U
	^{106}Ru	1.0E-02	±	4.6E-02	U
	^{125}Sb	-4.3E-03	±	1.5E-02	U
	^{113}Sn	-2.7E-03	±	6.8E-03	U
	^{90}Sr	3.9E-02	±	2.2E-01	U
	^{234}U	1.8E-01	±	5.9E-02	
	^{235}U	1.1E-02	±	1.0E-02	
	^{238}U	2.0E-01	±	6.4E-02	
	^{65}Zn	-9.4E-03	±	1.5E-02	U
D153 (100-B/C Remedial Action)	^{144}Ce	-2.1E-02	±	1.0E-01	U
	^{60}Co	-4.9E-03	±	5.2E-03	U
	^{134}Cs	3.0E-02	±	9.7E-03	U
	^{137}Cs	2.6E-01	±	4.4E-02	
	^{152}Eu	-5.5E-03	±	1.9E-02	U
	^{154}Eu	2.3E-03	±	1.7E-02	U
	^{155}Eu	4.7E-02	±	2.6E-02	U
	^{238}Pu	2.4E-02	±	4.1E-02	U
	^{239,240}Pu	1.8E-01	±	6.1E-02	
	^{103}Ru	-7.2E-04	±	5.3E-03	U
	^{106}Ru	2.4E-02	±	4.4E-02	U
	^{125}Sb	4.7E-03	±	1.5E-02	U
	^{113}Sn	-1.9E-03	±	7.0E-03	U
	^{90}Sr	-1.0E-01	±	2.4E-01	U
	^{234}U	1.6E-01	±	5.4E-02	
	^{235}U	8.5E-03	±	1.0E-02	U
	^{238}U	1.6E-01	±	5.4E-02	
	^{65}Zn	-3.8E-03	±	1.4E-02	U

Location	Isotope	Result	±	Error	RQ*
D150 (100-B/C Remedial Action)	^{144}Ce	-7.9E-02	±	1.6E-01	U
	^{60}Co	1.6E-02	±	1.1E-02	U
	^{134}Cs	3.5E-02	±	1.1E-02	U
	^{137}Cs	3.8E-01	±	6.1E-02	
	^{152}Eu	2.7E-01	±	3.0E-02	
	^{154}Eu	1.6E-02	±	2.8E-02	U
	^{155}Eu	5.8E-02	±	4.8E-02	U
	^{238}Pu	1.2E-02	±	1.9E-02	U
	^{239,240}Pu	1.9E-03	±	8.6E-03	U
	^{103}Ru	-1.6E-03	±	8.7E-03	U
	^{106}Ru	9.9E-03	±	7.2E-02	U
	^{125}Sb	8.3E-03	±	2.2E-02	U
	^{113}Sn	1.8E-03	±	1.1E-02	U
	^{90}Sr	-2.5E-01	±	2.5E-01	U
	^{234}U	1.3E-01	±	4.7E-02	
	^{235}U	2.1E-02	±	1.6E-02	
	^{238}U	1.6E-01	±	5.4E-02	
	^{65}Zn	1.5E-02	±	3.8E-02	U
D160 (100-B/C Remedial Action)	^{144}Ce	-6.9E-03	±	6.9E-02	U
	^{60}Co	2.2E-03	±	8.1E-03	U
	^{134}Cs	2.1E-02	±	1.2E-02	U
	^{137}Cs	1.3E-01	±	2.7E-02	
	^{152}Eu	6.4E-02	±	2.5E-02	
	^{154}Eu	-1.1E-02	±	2.6E-02	U
	^{155}Eu	-6.1E-03	±	4.4E-02	U
	^{238}Pu	-2.4E-02	±	3.4E-02	U
	^{239,240}Pu	7.9E-03	±	9.5E-03	U
	^{103}Ru	2.9E-03	±	9.0E-03	U
	^{106}Ru	-3.2E-02	±	7.6E-02	U
	^{125}Sb	6.8E-03	±	2.4E-02	U
	^{113}Sn	1.5E-02	±	1.3E-02	U
	^{90}Sr	3.4E-01	±	3.2E-01	
	^{234}U	1.7E-01	±	5.6E-02	
	^{235}U	4.1E-03	±	8.2E-03	U
	^{238}U	1.6E-01	±	5.4E-02	
	^{65}Zn	2.0E-02	±	2.4E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
D161	^{144}Ce	1.4E-01	±	1.6E-01	U
(100-B/C	^{60}Co	-1.3E-02	±	1.3E-02	U
Remedial	^{134}Cs	3.1E-02	±	1.2E-02	U
Action)	^{137}Cs	1.7E-01	±	3.2E-02	
	^{152}Eu	2.9E-01	±	2.9E-02	
	^{154}Eu	1.6E-02	±	3.3E-02	U
	^{155}Eu	4.9E-02	±	4.3E-02	U
	^{238}Pu	1.5E-02	±	3.6E-02	U
	^{239,240}Pu	1.3E-02	±	1.6E-02	U
	^{103}Ru	-6.1E-03	±	8.5E-03	U
	^{106}Ru	-1.3E-02	±	7.8E-02	U
	^{125}Sb	-3.9E-03	±	2.3E-02	U
	^{113}Sn	-8.8E-03	±	1.1E-02	U
	^{90}Sr	-7.3E-02	±	2.6E-01	U
	^{234}U	1.5E-01	±	5.3E-02	
	^{235}U	6.4E-03	±	7.7E-03	
	^{238}U	1.4E-01	±	4.9E-02	
	^{65}Zn	1.8E-03	±	1.8E-02	U
D154	^{144}Ce	-1.4E-03	±	1.4E-02	U
(100-F	^{60}Co	-7.1E-03	±	8.2E-03	U
Remedial	^{134}Cs	3.5E-02	±	1.3E-02	U
Action)	^{137}Cs	8.9E-02	±	2.2E-02	
	^{152}Eu	-1.8E-02	±	4.0E-02	U
	^{154}Eu	-9.3E-03	±	2.6E-02	U
	^{155}Eu	4.4E-02	±	3.0E-02	U
	^{238}Pu	9.2E-03	±	3.2E-02	U
	^{239,240}Pu	2.3E-03	±	2.3E-02	U
	^{103}Ru	1.2E-03	±	7.1E-03	U
	^{106}Ru	3.4E-02	±	6.8E-02	U
	^{125}Sb	1.1E-02	±	2.1E-02	U
	^{113}Sn	1.0E-03	±	9.6E-03	U
	^{90}Sr	5.7E-02	±	2.2E-01	U
	^{234}U	1.2E-01	±	3.8E-02	
	^{235}U	6.5E-03	±	7.8E-03	
	^{238}U	1.1E-01	±	3.6E-02	
	^{65}Zn	4.4E-02	±	2.3E-02	U

Location	Isotope	Result	±	Error	RQ*
D165	^{144}Ce	-5.1E-02	±	1.1E-01	U
(100-B/C	^{60}Co	4.3E-03	±	5.6E-03	U
Remedial	^{134}Cs	4.3E-02	±	1.3E-02	U
Action)	^{137}Cs	1.8E-01	±	3.0E-02	
	^{152}Eu	7.1E-04	±	7.1E-03	U
	^{154}Eu	7.8E-03	±	1.8E-02	U
	^{155}Eu	5.6E-02	±	3.9E-02	
	^{238}Pu	-5.6E-03	±	2.5E-02	U
	^{239,240}Pu	1.8E-03	±	9.5E-03	U
	^{103}Ru	-7.2E-04	±	5.4E-03	U
	^{106}Ru	1.9E-02	±	4.5E-02	U
	^{125}Sb	3.2E-03	±	1.6E-02	U
	^{113}Sn	-4.7E-03	±	7.4E-03	U
	^{90}Sr	3.4E-01	±	2.7E-01	
	^{234}U	1.3E-01	±	4.7E-02	
	^{235}U	6.7E-03	±	8.0E-03	
	^{238}U	9.6E-02	±	3.7E-02	
	^{65}Zn	1.1E-03	±	1.1E-02	U
D155	^{144}Ce	5.0E-02	±	1.3E-01	U
(100-F	^{60}Co	6.8E-03	±	6.5E-03	U
Remedial	^{134}Cs	3.6E-02	±	1.2E-02	U
Action)	^{137}Cs	2.5E-01	±	3.6E-02	
	^{152}Eu	3.2E-01	±	3.0E-02	
	^{154}Eu	4.8E-02	±	3.0E-02	U
	^{155}Eu	2.2E-03	±	2.2E-02	U
	^{238}Pu	1.9E-03	±	1.9E-02	U
	^{239,240}Pu	5.7E-03	±	1.0E-02	U
	^{103}Ru	-2.1E-03	±	6.4E-03	U
	^{106}Ru	-1.2E-02	±	5.9E-02	U
	^{125}Sb	6.0E-03	±	2.0E-02	U
	^{113}Sn	-6.2E-03	±	9.3E-03	U
	^{90}Sr	-1.4E-01	±	2.3E-01	U
	^{234}U	6.7E-02	±	2.8E-02	
	^{235}U	7.9E-03	±	7.9E-03	
	^{238}U	9.2E-02	±	3.1E-02	
	^{65}Zn	-7.3E-03	±	2.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
D162	^{144}Ce	-1.3E-01	±	2.0E-01	U
(100-KR-1	^{60}Co	4.2E-03	±	8.4E-03	U
Remedial	^{134}Cs	3.2E-02	±	1.6E-02	U
Action)	^{137}Cs	1.3E-01	±	2.8E-02	
	^{152}Eu	1.3E-02	±	5.5E-02	U
	^{154}Eu	-5.8E-03	±	2.8E-02	U
	^{155}Eu	1.7E-02	±	4.7E-02	U
	^{238}Pu	-3.4E-02	±	3.4E-02	U
	^{239,240}Pu	2.1E-03	±	1.1E-02	U
	^{103}Ru	-2.9E-03	±	9.7E-03	U
	^{106}Ru	6.0E-02	±	8.0E-02	U
	^{125}Sb	-1.3E-02	±	2.6E-02	U
	^{113}Sn	-5.6E-03	±	1.2E-02	U
	^{90}Sr	2.3E-01	±	2.6E-01	
	^{234}U	1.3E-01	±	4.7E-02	
	^{235}U	1.2E-02	±	1.2E-02	U
	^{238}U	1.4E-01	±	4.9E-02	
	^{65}Zn	3.8E-03	±	2.5E-02	U
Y608	^{144}Ce	-2.6E-02	±	1.5E-01	U
(100-N)	^{60}Co	1.8E-01	±	2.2E-02	
	^{134}Cs	4.0E-02	±	1.4E-02	U
	^{137}Cs	2.1E-01	±	3.7E-02	
	^{152}Eu	-1.1E-02	±	3.2E-02	U
	^{154}Eu	-1.6E-02	±	2.3E-02	U
	^{155}Eu	3.3E-02	±	3.6E-02	U
	^{238}Pu	-1.8E-03	±	1.7E-02	U
	^{239,240}Pu	1.8E-03	±	6.3E-03	U
	^{103}Ru	-2.4E-03	±	7.5E-03	U
	^{106}Ru	-4.1E-02	±	6.6E-02	U
	^{125}Sb	2.4E-04	±	2.4E-03	U
	^{113}Sn	-3.0E-04	±	3.0E-03	U
	^{90}Sr	-8.2E-02	±	2.4E-01	U
	^{234}U	1.4E-01	±	4.9E-02	
	^{235}U	6.5E-03	±	1.2E-02	U
	^{238}U	1.5E-01	±	5.1E-02	
	^{65}Zn	-2.9E-03	±	2.0E-02	U

Location	Isotope	Result	±	Error	RQ*
D163	^{144}Ce	-1.8E-02	±	1.5E-01	U
(100-KR-1	^{60}Co	5.1E-03	±	7.8E-03	U
Remedial	^{134}Cs	4.0E-02	±	1.5E-02	U
Action)	^{137}Cs	2.1E-01	±	3.0E-02	
	^{152}Eu	1.2E-01	±	2.6E-02	
	^{154}Eu	4.3E-02	±	3.5E-02	U
	^{155}Eu	8.2E-02	±	5.5E-02	U
	^{238}Pu	1.5E-02	±	2.1E-02	U
	^{239,240}Pu	1.1E-02	±	1.3E-02	U
	^{103}Ru	8.8E-04	±	8.0E-03	U
	^{106}Ru	-1.4E-02	±	7.2E-02	U
	^{125}Sb	-3.9E-03	±	2.1E-02	U
	^{113}Sn	-1.7E-02	±	1.7E-02	U
	^{90}Sr	-3.1E-01	±	3.1E-01	U
	^{234}U	2.1E-01	±	6.9E-02	
	^{235}U	2.0E-02	±	1.6E-02	
	^{238}U	2.0E-01	±	6.6E-02	
	^{65}Zn	-1.4E-02	±	2.2E-02	U
D001	^{144}Ce	-1.1E-01	±	1.3E-01	U
(200 West)	^{60}Co	1.6E-03	±	6.5E-03	U
	^{134}Cs	2.4E-02	±	1.1E-02	
	^{137}Cs	5.4E-01	±	8.8E-02	
	^{152}Eu	-1.2E-02	±	2.3E-02	U
	^{154}Eu	1.2E-02	±	2.3E-02	U
	^{155}Eu	3.2E-02	±	3.1E-02	U
	^{238}Pu	3.3E-03	±	1.2E-02	U
	^{239,240}Pu	6.6E-02	±	2.2E-02	
	^{103}Ru	-4.0E-04	±	4.1E-03	U
	^{106}Ru	1.5E-02	±	5.6E-02	U
	^{125}Sb	1.1E-02	±	2.0E-02	U
	^{113}Sn	-1.8E-03	±	8.9E-03	U
	^{90}Sr	6.6E-02	±	2.0E-01	U
	^{234}U	1.2E-01	±	3.7E-02	
	^{235}U	1.2E-02	±	1.2E-02	U
	^{238}U	1.4E-01	±	4.1E-02	
	^{65}Zn	-6.5E-03	±	1.7E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D003	^{144}Ce	-1.7E-02	± 1.3E-01	U
(200 West)	^{60}Co	-1.5E-03	± 6.3E-03	U
	^{134}Cs	3.5E-02	± 1.0E-02	
	^{137}Cs	8.6E-01	± 1.4E-01	
	^{152}Eu	-1.3E-02	± 2.6E-02	U
	^{154}Eu	-8.5E-03	± 2.0E-02	U
	^{155}Eu	3.9E-02	± 4.1E-02	U
	^{238}Pu	-1.7E-03	± 1.0E-02	U
	^{239,240}Pu	3.8E-02	± 1.7E-02	
	^{103}Ru	-1.8E-03	± 6.5E-03	U
	^{106}Ru	6.8E-03	± 5.5E-02	U
	^{125}Sb	2.0E-02	± 2.1E-02	U
	^{113}Sn	-1.3E-03	± 9.1E-03	U
	^{90}Sr	2.1E-01	± 2.3E-01	U
	^{234}U	1.8E-01	± 5.0E-02	
	^{235}U	8.1E-03	± 8.1E-03	
	^{238}U	2.0E-01	± 5.4E-02	
	^{65}Zn	-3.6E-03	± 1.7E-02	U
D007	^{144}Ce	5.8E-02	± 1.2E-01	U
(200 West)	^{60}Co	-9.1E-04	± 8.0E-03	U
	^{134}Cs	4.5E-02	± 1.6E-02	
	^{137}Cs	5.1E-01	± 8.6E-02	
	^{152}Eu	-1.1E-02	± 2.4E-02	U
	^{154}Eu	1.4E-02	± 3.0E-02	U
	^{155}Eu	8.6E-02	± 4.0E-02	U
	^{238}Pu	6.2E-03	± 9.3E-03	U
	^{239,240}Pu	8.6E-02	± 2.9E-02	
	^{103}Ru	2.0E-03	± 7.3E-03	U
	^{106}Ru	3.1E-02	± 6.8E-02	U
	^{125}Sb	-2.0E-02	± 2.4E-02	U
	^{113}Sn	3.7E-03	± 9.8E-03	U
	^{90}Sr	-2.7E-01	± 2.7E-01	U
	^{234}U	1.4E-01	± 4.3E-02	
	^{235}U	2.5E-02	± 1.7E-02	
	^{238}U	1.4E-01	± 4.2E-02	
	^{65}Zn	2.3E-02	± 2.2E-02	U

Location	Isotope	Result	± Error	RQ*
D005	^{144}Ce	-1.2E-01	± 1.3E-01	U
(200 West)	^{60}Co	1.1E-03	± 8.3E-03	U
	^{134}Cs	4.0E-02	± 1.6E-02	
	^{137}Cs	1.1E-01	± 2.5E-02	
	^{152}Eu	1.9E-02	± 3.9E-02	U
	^{154}Eu	1.1E-02	± 3.1E-02	U
	^{155}Eu	3.9E-02	± 4.4E-02	U
	^{238}Pu	3.4E-03	± 1.1E-02	U
	^{239,240}Pu	1.2E-02	± 9.2E-03	
	^{103}Ru	-1.2E-03	± 7.0E-03	U
	^{106}Ru	-3.4E-02	± 7.1E-02	U
	^{125}Sb	1.4E-02	± 2.1E-02	U
	^{113}Sn	-8.0E-03	± 1.0E-02	U
	^{90}Sr	-1.9E-01	± 1.9E-01	U
	^{234}U	1.8E-01	± 5.0E-02	
	^{235}U	8.5E-03	± 8.5E-03	
	^{238}U	1.9E-01	± 5.3E-02	
	^{65}Zn	4.7E-02	± 2.4E-02	
D009	^{144}Ce	-1.1E-01	± 1.9E-01	U
(200 West)	^{60}Co	-1.3E-04	± 1.3E-03	U
	^{134}Cs	4.3E-02	± 1.5E-02	
	^{137}Cs	5.9E-01	± 1.0E-01	
	^{152}Eu	1.2E-02	± 5.3E-02	U
	^{154}Eu	-5.4E-02	± 5.4E-02	U
	^{155}Eu	1.4E-03	± 1.4E-02	U
	^{238}Pu	-1.0E-02	± 2.9E-02	U
	^{239,240}Pu	5.8E-02	± 2.8E-02	
	^{103}Ru	-1.1E-03	± 8.8E-03	U
	^{106}Ru	-2.0E-02	± 7.4E-02	U
	^{125}Sb	-5.6E-03	± 2.6E-02	U
	^{113}Sn	9.9E-03	± 1.2E-02	U
	^{90}Sr	5.8E-01	± 2.6E-01	
	^{234}U	1.2E-01	± 3.7E-02	
	^{235}U	1.3E-02	± 1.1E-02	
	^{238}U	1.2E-01	± 3.7E-02	
	^{65}Zn	-5.1E-03	± 2.3E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D011	^{144}Ce	4.7E-02	± 1.8E-01	U
(200 West)	^{60}Co	-6.5E-03	± 8.5E-03	U
	^{134}Cs	3.3E-02	± 1.5E-02	
	^{137}Cs	2.6E+00	± 4.7E-01	
	^{152}Eu	-2.2E-02	± 4.5E-02	U
	^{154}Eu	-1.3E-02	± 2.7E-02	U
	^{155}Eu	1.8E-03	± 1.8E-02	U
	^{238}Pu	-9.4E-03	± 1.5E-02	U
	^{239,240}Pu	3.3E-01	± 7.9E-02	
	^{103}Ru	5.7E-03	± 9.8E-03	U
	^{106}Ru	-7.5E-02	± 8.5E-02	U
	^{125}Sb	-2.4E-04	± 2.4E-03	U
	^{113}Sn	5.0E-03	± 1.3E-02	U
	^{90}Sr	-7.2E-02	± 1.7E-01	U
	^{234}U	1.4E-01	± 4.3E-02	
	^{235}U	2.1E-02	± 1.4E-02	
	^{238}U	1.4E-01	± 4.3E-02	
	^{65}Zn	-1.5E-02	± 2.2E-02	U
D015	^{144}Ce	-2.0E-02	± 1.3E-01	U
(200 West)	^{60}Co	1.0E-03	± 6.2E-03	U
	^{134}Cs	3.4E-02	± 1.0E-02	
	^{137}Cs	1.8E+00	± 2.9E-01	
	^{152}Eu	2.4E-02	± 3.1E-02	U
	^{154}Eu	6.9E-03	± 2.2E-02	U
	^{155}Eu	6.9E-03	± 3.2E-02	U
	^{238}Pu	4.2E-03	± 3.4E-02	U
	^{239,240}Pu	1.3E-02	± 1.4E-02	U
	^{103}Ru	-2.0E-04	± 1.9E-03	U
	^{106}Ru	-2.2E-02	± 6.3E-02	U
	^{125}Sb	1.9E-03	± 1.9E-02	U
	^{113}Sn	2.7E-03	± 1.0E-02	U
	^{90}Sr	2.0E-01	± 2.0E-01	U
	^{234}U	1.2E-01	± 4.0E-02	
	^{235}U	9.5E-03	± 9.5E-03	
	^{238}U	8.7E-02	± 3.2E-02	
	^{65}Zn	-1.7E-03	± 1.7E-02	U

Location	Isotope	Result	± Error	RQ*
D013	^{144}Ce	2.3E-02	± 1.9E-01	U
(200 West)	^{60}Co	-6.7E-04	± 6.7E-03	U
	^{134}Cs	2.4E-02	± 1.2E-02	
	^{137}Cs	9.0E+00	± 1.4E+00	
	^{152}Eu	-1.2E-02	± 4.7E-02	U
	^{154}Eu	6.9E-03	± 2.7E-02	U
	^{155}Eu	3.5E-02	± 4.5E-02	U
	^{238}Pu	5.5E-03	± 1.3E-02	U
	^{239,240}Pu	1.1E-02	± 9.2E-03	
	^{103}Ru	1.9E-03	± 1.2E-02	U
	^{106}Ru	-2.8E-02	± 9.0E-02	U
	^{125}Sb	2.9E-02	± 4.0E-02	U
	^{113}Sn	1.8E-04	± 1.8E-03	U
	^{90}Sr	-1.3E-01	± 1.8E-01	U
	^{234}U	1.3E-01	± 4.0E-02	
	^{235}U	9.9E-03	± 1.2E-02	U
	^{238}U	1.4E-01	± 4.2E-02	
	^{65}Zn	-1.2E-02	± 1.9E-02	U
D017	^{144}Ce	-8.2E-02	± 1.6E-01	U
(200 West)	^{60}Co	-9.8E-04	± 7.7E-03	U
	^{134}Cs	3.7E-02	± 1.2E-02	
	^{137}Cs	2.1E+00	± 3.4E-01	
	^{152}Eu	-1.5E-02	± 4.7E-02	U
	^{154}Eu	-1.2E-02	± 3.0E-02	U
	^{155}Eu	6.3E-02	± 3.9E-02	U
	^{238}Pu	1.7E-02	± 1.3E-02	
	^{239,240}Pu	6.9E-02	± 2.6E-02	
	^{103}Ru	3.4E-03	± 9.0E-03	U
	^{106}Ru	4.0E-02	± 7.8E-02	U
	^{125}Sb	1.0E-02	± 2.7E-02	U
	^{113}Sn	8.2E-03	± 1.2E-02	U
	^{90}Sr	4.7E-02	± 2.1E-01	U
	^{234}U	1.7E-01	± 4.9E-02	
	^{235}U	1.9E-02	± 1.3E-02	
	^{238}U	1.5E-01	± 4.4E-02	
	^{65}Zn	6.1E-02	± 2.4E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D019	^{144}Ce	6.9E-02	± 1.2E-01	U
(200 West)	^{60}Co	-2.7E-04	± 2.7E-03	U
	^{134}Cs	3.7E-02	± 1.1E-02	
	^{137}Cs	1.8E+00	± 3.0E-01	
	^{152}Eu	2.6E-02	± 2.8E-02	U
	^{154}Eu	-2.6E-02	± 2.9E-02	U
	^{155}Eu	2.1E-02	± 3.2E-02	U
	^{238}Pu	1.8E-03	± 1.3E-02	U
	^{239,240}Pu	5.7E-02	± 2.4E-02	
	^{103}Ru	-7.2E-03	± 8.3E-03	U
	^{106}Ru	-1.4E-02	± 7.3E-02	U
	^{125}Sb	-1.5E-02	± 2.7E-02	U
	^{113}Sn	-7.4E-03	± 1.1E-02	U
	^{90}Sr	2.1E-01	± 2.5E-01	U
	^{234}U	1.4E-01	± 4.1E-02	
	^{235}U	7.4E-03	± 7.4E-03	
	^{238}U	1.3E-01	± 3.8E-02	
	^{65}Zn	8.8E-03	± 2.2E-02	U
D023	^{144}Ce	-1.9E-01	± 2.2E-01	U
(200 West)	^{60}Co	6.1E-03	± 1.1E-02	U
	^{134}Cs	3.7E-02	± 1.5E-02	
	^{137}Cs	2.9E+00	± 5.3E-01	
	^{152}Eu	-5.3E-02	± 5.3E-02	U
	^{154}Eu	-6.6E-03	± 3.6E-02	U
	^{155}Eu	5.6E-02	± 5.4E-02	U
	^{238}Pu	2.2E-03	± 2.2E-02	U
	^{239,240}Pu	4.0E-02	± 2.2E-02	
	^{103}Ru	-1.1E-02	± 1.3E-02	U
	^{106}Ru	5.1E-02	± 1.1E-01	U
	^{125}Sb	1.4E-02	± 3.7E-02	U
	^{113}Sn	1.0E-02	± 1.7E-02	U
	^{90}Sr	6.9E-02	± 2.6E-01	U
	^{234}U	1.1E-01	± 3.6E-02	
	^{235}U	1.0E-02	± 1.1E-02	U
	^{238}U	1.2E-01	± 3.7E-02	
	^{65}Zn	2.2E-02	± 2.8E-02	U

Location	Isotope	Result	± Error	RQ*
D021	^{144}Ce	-7.3E-02	± 2.1E-01	U
(200 West)	^{60}Co	-9.4E-04	± 8.8E-03	U
	^{134}Cs	4.7E-02	± 1.7E-02	
	^{137}Cs	2.0E-01	± 4.0E-02	
	^{152}Eu	-1.1E-02	± 5.6E-02	U
	^{154}Eu	-7.8E-03	± 3.3E-02	U
	^{155}Eu	5.6E-02	± 6.0E-02	U
	^{238}Pu	2.0E-02	± 3.2E-02	U
	^{239,240}Pu	1.6E-02	± 1.3E-02	
	^{103}Ru	-3.0E-03	± 9.5E-03	U
	^{106}Ru	-4.6E-02	± 8.2E-02	U
	^{125}Sb	1.6E-02	± 2.8E-02	U
	^{113}Sn	1.2E-02	± 1.3E-02	U
	^{90}Sr	6.7E-02	± 2.2E-01	U
	^{234}U	1.3E-01	± 4.0E-02	
	^{235}U	9.7E-03	± 8.8E-03	
	^{238}U	1.1E-01	± 3.4E-02	
	^{65}Zn	1.2E-02	± 2.5E-02	U
D025	^{144}Ce	-1.2E-01	± 1.6E-01	U
(200 West)	^{60}Co	1.8E-01	± 2.0E-02	
	^{134}Cs	3.2E-02	± 1.1E-02	
	^{137}Cs	6.1E+00	± 9.8E-01	
	^{152}Eu	2.0E-02	± 3.4E-02	U
	^{154}Eu	-2.7E-02	± 2.7E-02	U
	^{155}Eu	4.7E-02	± 4.2E-02	U
	^{238}Pu	-1.2E-02	± 3.7E-02	U
	^{239,240}Pu	3.9E-01	± 9.4E-02	
	^{103}Ru	1.6E-03	± 1.0E-02	U
	^{106}Ru	4.2E-04	± 4.2E-03	U
	^{125}Sb	4.4E-02	± 3.4E-02	U
	^{113}Sn	-4.1E-03	± 1.4E-02	U
	^{90}Sr	3.1E-01	± 2.5E-01	U
	^{234}U	1.6E-01	± 4.6E-02	
	^{235}U	8.6E-03	± 8.6E-03	
	^{238}U	1.6E-01	± 4.6E-02	
	^{65}Zn	-7.9E-03	± 1.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D027	^{144}Ce	-1.5E-01	± 1.5E-01	U
(200 West)	^{60}Co	-4.5E-03	± 5.8E-03	U
	^{134}Cs	3.5E-02	± 1.2E-02	
	^{137}Cs	9.5E-01	± 1.5E-01	
	^{152}Eu	-2.0E-02	± 2.3E-02	U
	^{154}Eu	-1.1E-04	± 1.1E-03	U
	^{155}Eu	3.1E-02	± 3.4E-02	U
	^{238}Pu	8.1E-03	± 3.2E-02	U
	^{239,240}Pu	6.0E-03	± 9.0E-03	U
	^{103}Ru	-2.7E-04	± 2.7E-03	U
	^{106}Ru	-2.0E-02	± 5.3E-02	U
	^{125}Sb	1.1E-02	± 1.9E-02	U
	^{113}Sn	1.3E-03	± 8.9E-03	U
	^{90}Sr	-2.4E-01	± 2.4E-01	U
	^{234}U	1.9E-01	± 5.3E-02	
	^{235}U	2.5E-02	± 1.5E-02	
	^{238}U	1.8E-01	± 5.0E-02	
	^{65}Zn	8.0E-03	± 2.2E-02	U
D031	^{144}Ce	-1.7E-02	± 1.5E-01	U
(200 West)	^{60}Co	1.9E-03	± 7.2E-03	U
	^{134}Cs	2.2E-02	± 1.1E-02	
	^{137}Cs	3.1E+00	± 5.1E-01	
	^{152}Eu	1.3E-03	± 1.3E-02	U
	^{154}Eu	-4.0E-02	± 4.0E-02	U
	^{155}Eu	2.2E-02	± 3.4E-02	U
	^{238}Pu	6.0E-03	± 9.0E-03	U
	^{239,240}Pu	1.2E-01	± 3.8E-02	
	^{103}Ru	-4.8E-04	± 4.8E-03	U
	^{106}Ru	-3.4E-02	± 8.1E-02	U
	^{125}Sb	-1.5E-02	± 2.9E-02	U
	^{113}Sn	3.3E-03	± 1.2E-02	U
	^{90}Sr	4.2E-01	± 2.7E-01	
	^{234}U	1.3E-01	± 4.2E-02	
	^{235}U	6.5E-03	± 1.2E-02	U
	^{238}U	1.7E-01	± 4.9E-02	
	^{65}Zn	5.4E-02	± 2.2E-02	

Location	Isotope	Result	± Error	RQ*
D029	^{144}Ce	6.6E-03	± 6.6E-02	U
(200 West)	^{60}Co	-4.3E-03	± 5.8E-03	U
	^{134}Cs	3.3E-02	± 1.1E-02	
	^{137}Cs	1.3E+00	± 2.1E-01	
	^{152}Eu	-1.1E-03	± 1.1E-02	U
	^{154}Eu	-2.7E-02	± 2.7E-02	U
	^{155}Eu	1.6E-02	± 3.1E-02	U
	^{238}Pu	1.8E-03	± 1.8E-02	U
	^{239,240}Pu	4.1E-02	± 2.1E-02	
	^{103}Ru	1.7E-03	± 6.6E-03	U
	^{106}Ru	-8.5E-03	± 5.7E-02	U
	^{125}Sb	3.8E-03	± 2.1E-02	U
	^{113}Sn	-3.7E-03	± 9.7E-03	U
	^{90}Sr	-2.0E-01	± 2.4E-01	U
	^{234}U	1.4E-01	± 4.5E-02	
	^{235}U	1.4E-02	± 1.5E-02	U
	^{238}U	1.2E-01	± 4.0E-02	
	^{65}Zn	-2.4E-03	± 1.7E-02	U
D033	^{144}Ce	-4.2E-02	± 1.6E-01	U
(200 West)	^{60}Co	-5.7E-03	± 7.4E-03	U
	^{134}Cs	4.8E-02	± 1.4E-02	
	^{137}Cs	7.6E+00	± 1.2E+00	
	^{152}Eu	3.4E-02	± 3.8E-02	U
	^{154}Eu	-5.0E-03	± 2.4E-02	U
	^{155}Eu	5.0E-02	± 5.0E-02	U
	^{238}Pu	7.2E-03	± 1.4E-02	U
	^{239,240}Pu	4.8E-02	± 2.2E-02	
	^{103}Ru	-1.3E-02	± 1.3E-02	U
	^{106}Ru	8.4E-02	± 8.9E-02	U
	^{125}Sb	-1.6E-02	± 3.4E-02	U
	^{113}Sn	8.0E-03	± 1.5E-02	U
	^{90}Sr	9.5E-01	± 2.9E-01	
	^{234}U	1.6E-01	± 4.6E-02	
	^{235}U	1.2E-02	± 1.4E-02	U
	^{238}U	1.5E-01	± 4.5E-02	
	^{65}Zn	2.8E-02	± 1.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D035	^{144}Ce	1.1E-01	± 1.9E-01	U
(200 West)	^{60}Co	-1.1E-03	± 6.0E-03	U
	^{134}Cs	2.7E-02	± 1.1E-02	
	^{137}Cs	4.0E+00	± 6.7E-01	
	^{152}Eu	-9.2E-03	± 4.8E-02	U
	^{154}Eu	-4.1E-03	± 2.3E-02	U
	^{155}Eu	2.0E-02	± 4.5E-02	U
	^{238}Pu	8.3E-03	± 3.1E-02	U
	^{239,240}Pu	3.3E-02	± 1.9E-02	
	^{103}Ru	-3.0E-04	± 3.0E-03	U
	^{106}Ru	3.6E-02	± 8.7E-02	U
	^{125}Sb	-7.3E-03	± 3.0E-02	U
	^{113}Sn	-3.2E-03	± 1.3E-02	U
	^{90}Sr	-6.8E-02	± 1.9E-01	U
	^{234}U	1.3E-01	± 4.0E-02	
	^{235}U	6.4E-03	± 9.6E-03	U
	^{238}U	1.5E-01	± 4.4E-02	
	^{65}Zn	9.3E-04	± 9.3E-03	U
D039	^{144}Ce	2.5E-02	± 1.2E-01	U
(200 West)	^{60}Co	-7.9E-04	± 5.6E-03	U
	^{134}Cs	2.4E-02	± 8.6E-03	
	^{137}Cs	3.6E+00	± 5.7E-01	
	^{152}Eu	-6.3E-03	± 3.0E-02	U
	^{154}Eu	5.3E-03	± 2.1E-02	U
	^{155}Eu	2.6E-02	± 3.2E-02	U
	^{238}Pu	1.0E-02	± 3.3E-02	U
	^{239,240}Pu	6.7E-01	± 1.5E-01	
	^{103}Ru	-2.0E-03	± 7.9E-03	U
	^{106}Ru	-2.3E-02	± 6.1E-02	U
	^{125}Sb	-1.3E-02	± 2.5E-02	U
	^{113}Sn	-2.2E-03	± 1.1E-02	U
	^{90}Sr	5.3E-01	± 2.2E-01	
	^{234}U	1.2E-01	± 3.8E-02	
	^{235}U	1.3E-02	± 1.2E-02	U
	^{238}U	1.5E-01	± 4.5E-02	
	^{65}Zn	-1.7E-02	± 1.7E-02	U

Location	Isotope	Result	± Error	RQ*
D037	^{144}Ce	5.9E-02	± 1.9E-01	U
(200 West)	^{60}Co	-1.2E-03	± 7.6E-03	U
	^{134}Cs	2.8E-02	± 1.1E-02	
	^{137}Cs	6.8E+00	± 1.2E+00	
	^{152}Eu	-7.2E-03	± 3.9E-02	U
	^{154}Eu	-3.6E-02	± 3.6E-02	U
	^{155}Eu	-3.2E-02	± 4.4E-02	U
	^{238}Pu	1.7E-03	± 1.7E-02	U
	^{239,240}Pu	4.4E-02	± 2.0E-02	
	^{103}Ru	8.5E-03	± 1.2E-02	U
	^{106}Ru	6.6E-02	± 8.9E-02	U
	^{125}Sb	-2.8E-02	± 3.6E-02	U
	^{113}Sn	9.3E-03	± 1.5E-02	U
	^{90}Sr	8.2E-01	± 2.5E-01	
	^{234}U	1.1E-01	± 3.5E-02	
	^{235}U	1.9E-03	± 1.9E-02	U
	^{238}U	1.0E-01	± 3.3E-02	
	^{65}Zn	1.5E-02	± 1.9E-02	U
D041	^{144}Ce	6.6E-04	± 6.6E-03	U
(200 West)	^{60}Co	-8.0E-03	± 8.3E-03	U
	^{134}Cs	4.0E-02	± 1.6E-02	
	^{137}Cs	4.9E-01	± 8.2E-02	
	^{152}Eu	7.5E-03	± 3.1E-02	U
	^{154}Eu	-1.3E-03	± 1.3E-02	U
	^{155}Eu	3.6E-02	± 4.3E-02	U
	^{238}Pu	-1.4E-02	± 2.5E-02	U
	^{239,240}Pu	3.9E-02	± 2.0E-02	
	^{103}Ru	-1.0E-03	± 9.1E-03	U
	^{106}Ru	-4.2E-02	± 7.8E-02	U
	^{125}Sb	1.6E-02	± 2.5E-02	U
	^{113}Sn	-4.0E-03	± 1.2E-02	U
	^{90}Sr	-3.2E-01	± 3.2E-01	U
	^{234}U	1.4E-01	± 4.6E-02	
	^{235}U	2.2E-02	± 1.6E-02	
	^{238}U	1.8E-01	± 5.4E-02	
	^{65}Zn	4.0E-02	± 2.5E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D043	^{144}Ce	-3.9E-02	± 1.2E-01	U
(200 West)	^{60}Co	-1.4E-03	± 7.9E-03	U
	^{134}Cs	3.8E-02	± 1.4E-02	
	^{137}Cs	1.2E+00	± 2.0E-01	
	^{152}Eu	-1.4E-02	± 2.6E-02	U
	^{154}Eu	-1.6E-02	± 2.6E-02	U
	^{155}Eu	3.8E-02	± 4.0E-02	U
	^{238}Pu	5.6E-03	± 2.9E-02	U
	^{239,240}Pu	1.0E-01	± 3.3E-02	
	^{103}Ru	-4.1E-03	± 8.5E-03	U
	^{106}Ru	-4.8E-02	± 6.9E-02	U
	^{125}Sb	-1.2E-02	± 2.2E-02	U
	^{113}Sn	-3.0E-03	± 1.1E-02	U
	^{90}Sr	-1.3E-01	± 1.6E-01	U
	^{234}U	3.5E-01	± 1.0E-01	
	^{235}U	3.5E-02	± 2.1E-02	
	^{238}U	4.1E-01	± 1.2E-01	
	^{65}Zn	1.7E-02	± 2.1E-02	U
D047	^{144}Ce	6.8E-03	± 6.8E-02	U
(200 West)	^{60}Co	3.3E-04	± 3.3E-03	U
	^{134}Cs	4.6E-02	± 1.3E-02	
	^{137}Cs	1.6E+00	± 2.9E-01	
	^{152}Eu	-4.6E-02	± 4.6E-02	U
	^{154}Eu	-1.5E-02	± 2.7E-02	U
	^{155}Eu	4.5E-02	± 5.0E-02	U
	^{238}Pu	1.9E-03	± 1.9E-03	U
	^{239,240}Pu	1.9E-02	± 1.6E-02	U
	^{103}Ru	-3.6E-03	± 1.0E-02	U
	^{106}Ru	-1.8E-03	± 1.8E-02	U
	^{125}Sb	4.0E-03	± 2.6E-02	U
	^{113}Sn	-3.4E-03	± 1.2E-02	U
	^{90}Sr	-1.2E-02	± 1.2E-01	U
	^{234}U	2.4E-01	± 7.4E-02	
	^{235}U	2.2E-02	± 1.5E-02	
	^{238}U	2.4E-01	± 7.4E-02	
	^{65}Zn	-5.6E-03	± 2.2E-02	U

Location	Isotope	Result	± Error	RQ*
D045	^{144}Ce	-2.2E-01	± 2.2E-01	U
(200 West)	^{60}Co	-2.9E-03	± 6.7E-03	U
	^{134}Cs	2.9E-02	± 1.1E-02	
	^{137}Cs	6.2E+00	± 1.0E+00	
	^{152}Eu	-4.8E-02	± 6.0E-02	U
	^{154}Eu	-1.6E-02	± 2.2E-02	U
	^{155}Eu	-2.1E-02	± 5.1E-02	U
	^{238}Pu	7.8E-03	± 2.7E-02	U
	^{239,240}Pu	1.2E-01	± 3.8E-02	
	^{103}Ru	6.0E-03	± 1.4E-02	U
	^{106}Ru	-2.8E-02	± 8.7E-02	U
	^{125}Sb	1.8E-03	± 1.8E-02	U
	^{113}Sn	-8.3E-03	± 1.7E-02	U
	^{90}Sr	1.5E+00	± 3.0E-01	
	^{234}U	1.8E-01	± 5.9E-02	
	^{235}U	1.4E-02	± 1.1E-02	
	^{238}U	1.7E-01	± 5.6E-02	
	^{65}Zn	5.2E-03	± 1.9E-02	U
D049	^{144}Ce	2.1E-02	± 1.5E-01	U
(200 West)	^{60}Co	-5.2E-03	± 9.4E-03	U
	^{134}Cs	4.2E-02	± 1.8E-02	
	^{137}Cs	4.9E-01	± 8.5E-02	
	^{152}Eu	3.9E-02	± 4.0E-02	U
	^{154}Eu	-2.0E-02	± 3.3E-02	U
	^{155}Eu	5.9E-02	± 4.7E-02	U
	^{238}Pu	-2.5E-02	± 3.0E-02	U
	^{239,240}Pu	4.0E-02	± 1.9E-02	
	^{103}Ru	-1.6E-03	± 1.0E-02	U
	^{106}Ru	-5.4E-03	± 5.4E-02	U
	^{125}Sb	6.8E-03	± 2.7E-02	U
	^{113}Sn	1.4E-02	± 1.3E-02	U
	^{90}Sr	-5.9E-02	± 2.2E-01	U
	^{234}U	1.5E-01	± 4.9E-02	
	^{235}U	1.5E-02	± 1.1E-02	
	^{238}U	1.9E-01	± 6.1E-02	
	^{65}Zn	6.0E-02	± 2.9E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D051	^{144}Ce	-1.0E-01	± 1.1E-01	U
(200 West)	^{60}Co	2.6E-03	± 7.5E-03	U
	^{134}Cs	3.4E-02	± 1.5E-02	
	^{137}Cs	2.8E-01	± 5.0E-02	
	^{152}Eu	-1.6E-02	± 2.2E-02	U
	^{154}Eu	-2.7E-03	± 2.4E-02	U
	^{155}Eu	4.8E-02	± 4.0E-02	U
	^{238}Pu	-1.3E-02	± 2.7E-02	U
	^{239,240}Pu	2.8E-02	± 1.5E-02	
	^{103}Ru	-4.5E-03	± 7.5E-03	U
	^{106}Ru	1.2E-02	± 6.3E-02	U
	^{125}Sb	-1.9E-03	± 1.9E-02	U
	^{113}Sn	3.7E-03	± 1.0E-02	U
	^{90}Sr	-1.1E-01	± 1.8E-01	U
	^{234}U	1.8E-01	± 5.9E-02	
	^{235}U	8.7E-03	± 1.4E-02	U
	^{238}U	2.2E-01	± 7.0E-02	
	^{65}Zn	2.5E-02	± 2.1E-02	U
D055	^{144}Ce	1.4E-02	± 1.4E-01	U
(200 East)	^{60}Co	7.8E-04	± 6.7E-03	U
	^{134}Cs	3.1E-02	± 1.0E-02	
	^{137}Cs	2.2E+00	± 4.1E-01	
	^{152}Eu	-1.8E-03	± 1.8E-02	U
	^{154}Eu	5.4E-03	± 2.5E-02	U
	^{155}Eu	1.9E-02	± 3.3E-02	U
	^{238}Pu	2.1E-02	± 2.9E-02	U
	^{239,240}Pu	7.5E-03	± 1.0E-02	U
	^{103}Ru	-4.4E-03	± 8.9E-03	U
	^{106}Ru	-1.5E-02	± 6.6E-02	U
	^{125}Sb	3.7E-03	± 2.4E-02	U
	^{113}Sn	-7.4E-03	± 1.1E-02	U
	^{90}Sr	1.1E-01	± 1.9E-01	U
	^{234}U	1.9E-01	± 6.3E-02	
	^{235}U	4.5E-03	± 6.3E-03	U
	^{238}U	1.9E-01	± 6.3E-02	
	^{65}Zn	2.6E-03	± 1.8E-02	U

Location	Isotope	Result	± Error	RQ*
D053	^{144}Ce	6.1E-02	± 1.3E-01	U
(200 East)	^{60}Co	-3.9E-03	± 6.6E-03	U
	^{134}Cs	4.4E-02	± 1.4E-02	
	^{137}Cs	7.1E-01	± 1.1E-01	
	^{152}Eu	-4.2E-03	± 2.5E-02	U
	^{154}Eu	1.4E-03	± 1.4E-02	U
	^{155}Eu	5.8E-02	± 4.2E-02	U
	^{238}Pu	-1.2E-02	± 2.9E-02	U
	^{239,240}Pu	1.9E-03	± 1.9E-02	U
	^{103}Ru	3.0E-03	± 7.4E-03	U
	^{106}Ru	-2.0E-03	± 2.0E-02	U
	^{125}Sb	3.0E-04	± 3.0E-03	U
	^{113}Sn	-5.8E-03	± 9.7E-03	U
	^{90}Sr	-1.1E-01	± 2.1E-01	U
	^{234}U	2.0E-01	± 6.6E-02	
	^{235}U	1.4E-02	± 1.4E-02	U
	^{238}U	1.4E-01	± 4.9E-02	
	^{65}Zn	-7.3E-04	± 7.3E-03	U
D057	^{144}Ce	-2.5E-01	± 2.5E-01	U
(200 East)	^{60}Co	1.3E-03	± 6.5E-03	U
	^{134}Cs	4.2E-02	± 1.5E-02	
	^{137}Cs	1.4E+01	± 2.3E+00	
	^{152}Eu	-8.0E-03	± 7.5E-02	U
	^{154}Eu	-2.0E-02	± 2.2E-02	U
	^{155}Eu	-1.1E-02	± 6.1E-02	U
	^{238}Pu	2.7E-02	± 3.8E-02	U
	^{239,240}Pu	5.4E-02	± 2.6E-02	
	^{103}Ru	-9.9E-03	± 1.8E-02	U
	^{106}Ru	1.2E-01	± 1.1E-01	U
	^{125}Sb	3.0E-02	± 5.0E-02	U
	^{113}Sn	-2.3E-02	± 2.3E-02	U
	^{90}Sr	1.6E-01	± 1.6E-01	U
	^{234}U	1.6E-01	± 5.6E-02	
	^{235}U	9.1E-03	± 9.1E-03	
	^{238}U	1.7E-01	± 5.8E-02	
	^{65}Zn	3.0E-02	± 1.8E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D059	^{144}Ce	-5.6E-02	± 1.6E-01	U
(200 East)	^{60}Co	-1.6E-03	± 6.7E-03	U
	^{134}Cs	5.0E-02	± 1.5E-02	
	^{137}Cs	4.2E+00	± 6.7E-01	
	^{152}Eu	-1.5E-03	± 1.5E-02	U
	^{154}Eu	-1.4E-02	± 2.5E-02	U
	^{155}Eu	1.5E-03	± 1.5E-02	U
	^{238}Pu	3.7E-03	± 9.3E-03	U
	^{239,240}Pu	1.1E-02	± 9.2E-03	
	^{103}Ru	-5.5E-04	± 5.5E-03	U
	^{106}Ru	3.5E-02	± 7.3E-02	U
	^{125}Sb	4.1E-03	± 3.0E-02	U
	^{113}Sn	-8.4E-03	± 1.3E-02	U
	^{90}Sr	-3.5E-03	± 3.5E-02	U
	^{234}U	1.4E-01	± 4.9E-02	
	^{235}U	1.7E-02	± 1.3E-02	
	^{238}U	1.6E-01	± 5.4E-02	
	^{65}Zn	-1.2E-02	± 1.9E-02	U
D061	^{144}Ce	-1.2E-01	± 1.5E-01	U
(200 East)	^{60}Co	-2.5E-05	± 2.5E-04	U
	^{134}Cs	3.9E-02	± 1.3E-02	
	^{137}Cs	1.4E+00	± 2.3E-01	
	^{152}Eu	-2.1E-02	± 2.7E-02	U
	^{154}Eu	-1.3E-02	± 2.2E-02	U
	^{155}Eu	8.3E-02	± 5.0E-02	U
	^{238}Pu	2.0E-03	± 2.0E-02	U
	^{239,240}Pu	4.0E-03	± 5.6E-03	U
	^{103}Ru	2.8E-04	± 2.8E-03	U
	^{106}Ru	-1.2E-02	± 6.4E-02	U
	^{125}Sb	-3.0E-03	± 2.3E-02	U
	^{113}Sn	-4.2E-03	± 1.1E-02	U
	^{90}Sr	-1.5E-01	± 1.8E-01	U
	^{234}U	1.3E-01	± 4.7E-02	
	^{235}U	2.1E-03	± 4.2E-03	U
	^{238}U	1.7E-01	± 5.6E-02	
	^{65}Zn	-6.9E-03	± 1.9E-02	U
D063	^{144}Ce	1.4E-02	± 1.4E-01	U
(200 East)	^{60}Co	-3.8E-04	± 3.8E-03	U
	^{134}Cs	4.7E-02	± 1.4E-02	
	^{137}Cs	5.2E-01	± 8.8E-02	
	^{152}Eu	-6.4E-03	± 3.8E-02	U
	^{154}Eu	-3.3E-02	± 3.3E-02	U
	^{155}Eu	4.1E-02	± 4.3E-02	U
	^{238}Pu	1.9E-03	± 1.9E-02	U
	^{239,240}Pu	3.5E-02	± 2.2E-02	
	^{103}Ru	-6.3E-03	± 9.4E-03	U
	^{106}Ru	-1.4E-02	± 7.9E-02	U
	^{125}Sb	2.0E-02	± 2.4E-02	U
	^{113}Sn	-5.3E-03	± 1.2E-02	U
	^{90}Sr	3.0E-01	± 2.1E-01	
	^{234}U	2.6E-01	± 8.1E-02	
	^{235}U	1.6E-02	± 1.2E-02	
	^{238}U	2.2E-01	± 6.8E-02	
	^{65}Zn	7.7E-02	± 2.8E-02	
D065	^{144}Ce	-7.7E-04	± 7.7E-03	U
(200 East)	^{60}Co	-8.3E-04	± 6.9E-03	U
	^{134}Cs	4.8E-02	± 1.5E-02	
	^{137}Cs	1.7E+00	± 3.0E-01	
	^{152}Eu	1.5E-02	± 4.0E-02	U
	^{154}Eu	-3.1E-02	± 3.1E-02	U
	^{155}Eu	5.0E-02	± 3.6E-02	U
	^{238}Pu	-1.4E-02	± 3.1E-02	U
	^{239,240}Pu	2.0E-03	± 2.0E-02	U
	^{103}Ru	2.5E-03	± 9.0E-03	U
	^{106}Ru	1.7E-02	± 6.6E-02	U
	^{125}Sb	8.9E-03	± 2.4E-02	U
	^{113}Sn	8.6E-03	± 1.1E-02	U
	^{90}Sr	2.3E-01	± 2.4E-01	U
	^{234}U	1.5E-01	± 5.4E-02	
	^{235}U	4.8E-03	± 9.6E-03	U
	^{238}U	1.7E-01	± 5.8E-02	
	^{65}Zn	1.1E-02	± 1.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D067	^{144}Ce	9.4E-02	± 1.7E-01	U
(200 East)	^{60}Co	1.9E-03	± 7.0E-03	U
	^{134}Cs	4.7E-02	± 1.5E-02	
	^{137}Cs	1.2E-02	± 8.4E-03	U
	^{152}Eu	7.2E-03	± 4.6E-02	U
	^{154}Eu	-2.9E-02	± 2.9E-02	U
	^{155}Eu	2.3E-02	± 4.8E-02	U
	^{238}Pu	1.4E-02	± 2.5E-02	U
	^{239,240}Pu	6.4E-03	± 9.0E-03	U
	^{103}Ru	1.4E-03	± 8.6E-03	U
	^{106}Ru	-2.8E-02	± 6.8E-02	U
	^{125}Sb	1.3E-02	± 2.2E-02	U
	^{113}Sn	2.1E-03	± 1.1E-02	U
	^{90}Sr	-2.0E-01	± 2.0E-01	U
	^{234}U	1.9E-01	± 6.1E-02	
	^{235}U	9.6E-03	± 1.3E-02	U
	^{238}U	1.7E-01	± 5.6E-02	
	^{65}Zn	1.9E-02	± 2.0E-02	U
D071	^{144}Ce	5.7E-02	± 1.4E-01	U
(200 East)	^{60}Co	-4.1E-03	± 8.8E-03	U
	^{134}Cs	3.9E-02	± 1.5E-02	
	^{137}Cs	1.9E-01	± 3.8E-02	
	^{152}Eu	-1.5E-02	± 2.9E-02	U
	^{154}Eu	-3.2E-02	± 3.2E-02	U
	^{155}Eu	4.0E-02	± 4.4E-02	U
	^{238}Pu	-2.9E-02	± 3.5E-02	U
	^{239,240}Pu	6.2E-02	± 2.9E-02	
	^{103}Ru	-1.1E-02	± 1.1E-02	U
	^{106}Ru	6.7E-02	± 7.6E-02	U
	^{125}Sb	1.8E-02	± 2.1E-02	U
	^{113}Sn	2.3E-03	± 1.1E-02	U
	^{90}Sr	7.3E-02	± 1.6E-01	U
	^{234}U	1.6E-01	± 5.3E-02	
	^{235}U	1.2E-02	± 1.0E-02	
	^{238}U	1.4E-01	± 4.9E-02	
	^{65}Zn	1.5E-02	± 2.4E-02	U

Location	Isotope	Result	± Error	RQ*
D069	^{144}Ce	6.4E-02	± 1.2E-01	U
(200 East)	^{60}Co	-3.1E-03	± 6.3E-03	U
	^{134}Cs	2.7E-02	± 1.1E-02	
	^{137}Cs	5.3E-01	± 8.6E-02	
	^{152}Eu	-1.7E-02	± 2.2E-02	U
	^{154}Eu	-1.0E-02	± 2.0E-02	U
	^{155}Eu	5.1E-02	± 3.4E-02	U
	^{238}Pu	3.3E-02	± 3.3E-02	U
	^{239,240}Pu	1.7E-03	± 1.7E-03	U
	^{103}Ru	2.7E-03	± 7.8E-03	U
	^{106}Ru	-5.6E-02	± 5.6E-02	U
	^{125}Sb	1.1E-02	± 1.9E-02	U
	^{113}Sn	-7.9E-03	± 9.1E-03	U
	^{90}Sr	-2.4E-02	± 1.6E-01	U
	^{234}U	3.1E-01	± 9.3E-02	
	^{235}U	3.7E-02	± 2.0E-02	
	^{238}U	3.0E-01	± 9.0E-02	
	^{65}Zn	-5.3E-03	± 1.6E-02	U
D073	^{144}Ce	-8.7E-02	± 1.2E-01	U
(200 East)	^{60}Co	-3.6E-03	± 6.8E-03	U
	^{134}Cs	3.1E-02	± 1.0E-02	
	^{137}Cs	1.9E+00	± 3.2E-01	
	^{152}Eu	-3.8E-03	± 2.5E-02	U
	^{154}Eu	-3.0E-02	± 3.0E-02	U
	^{155}Eu	3.5E-02	± 2.9E-02	U
	^{238}Pu	-4.3E-03	± 2.3E-02	U
	^{239,240}Pu	1.1E-02	± 1.0E-02	
	^{103}Ru	-4.2E-03	± 8.7E-03	U
	^{106}Ru	1.6E-02	± 6.4E-02	U
	^{125}Sb	-7.7E-03	± 2.1E-02	U
	^{113}Sn	-7.6E-04	± 7.6E-03	U
	^{90}Sr	-8.5E-02	± 1.7E-01	U
	^{234}U	2.0E-01	± 6.6E-02	
	^{235}U	1.1E-02	± 1.0E-02	
	^{238}U	2.1E-01	± 6.7E-02	
	^{65}Zn	1.7E-02	± 1.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D075	^{144}Ce	1.2E-01	± 1.3E-01	U
(200 East)	^{60}Co	-1.1E-03	± 7.5E-03	U
	^{134}Cs	3.2E-02	± 1.4E-02	
	^{137}Cs	2.9E-01	± 5.5E-02	
	^{152}Eu	-2.5E-02	± 3.0E-02	U
	^{154}Eu	-3.7E-02	± 3.7E-02	U
	^{155}Eu	3.6E-02	± 3.4E-02	U
	^{238}Pu	3.5E-03	± 1.7E-02	U
	^{239,240}Pu	3.0E-02	± 1.7E-02	
	^{103}Ru	-5.4E-03	± 9.0E-03	U
	^{106}Ru	-3.9E-02	± 6.7E-02	U
	^{125}Sb	-6.4E-03	± 2.1E-02	U
	^{113}Sn	2.6E-03	± 1.0E-02	U
	^{90}Sr	4.2E-01	± 2.1E-01	
	^{234}U	2.0E-01	± 6.4E-02	
	^{235}U	9.6E-03	± 8.9E-03	
	^{238}U	2.3E-01	± 7.1E-02	
	^{65}Zn	1.2E-02	± 2.1E-02	U
D079	^{144}Ce	9.4E-02	± 1.4E-01	U
(200 East)	^{60}Co	1.5E-03	± 7.0E-03	U
	^{134}Cs	3.3E-02	± 9.6E-03	
	^{137}Cs	6.1E-01	± 1.1E-01	
	^{152}Eu	-1.4E-02	± 3.0E-02	U
	^{154}Eu	-2.1E-02	± 2.1E-02	U
	^{155}Eu	4.8E-02	± 4.0E-02	U
	^{238}Pu	-6.0E-03	± 1.9E-02	U
	^{239,240}Pu	3.2E-02	± 1.9E-02	
	^{103}Ru	-3.0E-03	± 7.6E-03	U
	^{106}Ru	1.4E-02	± 6.0E-02	U
	^{125}Sb	1.2E-02	± 2.0E-02	U
	^{113}Sn	1.9E-04	± 1.9E-03	U
	^{90}Sr	1.2E-02	± 1.2E-01	U
	^{234}U	1.8E-01	± 6.1E-02	
	^{235}U	2.2E-02	± 1.7E-02	
	^{238}U	2.0E-01	± 6.6E-02	
	^{65}Zn	-4.0E-03	± 1.8E-02	U

Location	Isotope	Result	± Error	RQ*
D077	^{144}Ce	9.1E-03	± 9.1E-02	U
(200 East)	^{60}Co	2.7E-03	± 6.3E-03	U
	^{134}Cs	3.2E-02	± 1.4E-02	
	^{137}Cs	3.6E-01	± 6.5E-02	
	^{152}Eu	-1.4E-02	± 4.3E-02	U
	^{154}Eu	-1.4E-02	± 2.1E-02	U
	^{155}Eu	-6.4E-03	± 4.3E-02	U
	^{238}Pu	2.4E-02	± 2.6E-02	U
	^{239,240}Pu	2.9E-02	± 1.8E-02	
	^{103}Ru	-6.5E-03	± 8.2E-03	U
	^{106}Ru	4.7E-02	± 6.1E-02	U
	^{125}Sb	-5.2E-03	± 2.1E-02	U
	^{113}Sn	5.3E-03	± 1.0E-02	U
	^{90}Sr	-1.6E-01	± 2.1E-01	U
	^{234}U	1.2E-01	± 4.3E-02	
	^{235}U	6.0E-03	± 9.0E-03	U
	^{238}U	1.2E-01	± 4.3E-02	
	^{65}Zn	-5.1E-03	± 1.8E-02	U
D081	^{144}Ce	-7.4E-02	± 1.2E-01	U
(600 Area)	^{60}Co	-6.2E-03	± 6.2E-03	U
	^{134}Cs	3.8E-02	± 1.3E-02	
	^{137}Cs	6.6E-02	± 1.5E-02	
	^{152}Eu	-2.4E-02	± 2.4E-02	U
	^{154}Eu	-9.6E-03	± 2.0E-02	U
	^{155}Eu	3.4E-02	± 2.8E-02	U
	^{238}Pu	2.0E-03	± 1.6E-02	U
	^{239,240}Pu	4.0E-03	± 5.6E-03	U
	^{103}Ru	3.6E-03	± 6.7E-03	U
	^{106}Ru	2.3E-02	± 5.5E-02	U
	^{125}Sb	-4.7E-03	± 1.8E-02	U
	^{113}Sn	-4.1E-03	± 8.4E-03	U
	^{90}Sr	-2.1E-02	± 2.1E-01	U
	^{234}U	1.2E-01	± 4.3E-02	
	^{235}U	1.1E-02	± 1.2E-02	U
	^{238}U	1.2E-01	± 4.3E-02	
	^{65}Zn	-1.5E-03	± 1.5E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D083	^{144}Ce	-1.1E-01	± 1.6E-01	U
(600 Area)	^{60}Co	6.6E-03	± 9.0E-03	U
	^{134}Cs	4.7E-02	± 1.6E-02	
	^{137}Cs	1.4E+00	± 2.3E-01	
	^{152}Eu	-2.6E-02	± 3.6E-02	U
	^{154}Eu	-2.8E-02	± 3.1E-02	U
	^{155}Eu	1.5E-02	± 3.8E-02	U
	^{238}Pu	1.9E-02	± 2.7E-02	U
	^{239,240}Pu	7.6E-02	± 3.6E-02	
	^{103}Ru	4.0E-04	± 4.1E-03	U
	^{106}Ru	-2.1E-02	± 8.5E-02	U
	^{125}Sb	-7.9E-03	± 2.8E-02	U
	^{113}Sn	3.2E-03	± 1.3E-02	U
	^{90}Sr	-1.4E-01	± 1.9E-01	U
	^{234}U	1.5E-01	± 5.3E-02	
	^{235}U	2.7E-02	± 2.0E-02	
	^{238}U	1.2E-01	± 4.6E-02	
	^{65}Zn	5.4E-02	± 2.7E-02	
D087	^{144}Ce	6.7E-02	± 1.9E-01	U
(600 Area)	^{60}Co	9.0E-03	± 8.8E-03	U
	^{134}Cs	3.1E-02	± 1.2E-02	
	^{137}Cs	2.1E-02	± 1.1E-02	
	^{152}Eu	-5.1E-03	± 5.0E-02	U
	^{154}Eu	-5.8E-03	± 2.9E-02	U
	^{155}Eu	2.7E-03	± 2.7E-02	U
	^{238}Pu	1.8E-03	± 1.8E-03	U
	^{239,240}Pu	1.8E-03	± 3.6E-03	U
	^{103}Ru	-9.4E-03	± 9.9E-03	U
	^{106}Ru	2.0E-03	± 2.0E-02	U
	^{125}Sb	9.4E-03	± 2.4E-02	U
	^{113}Sn	-4.8E-03	± 1.2E-02	U
	^{90}Sr	-8.9E-02	± 1.6E-01	U
	^{234}U	2.3E-01	± 7.4E-02	
	^{235}U	3.1E-02	± 1.8E-02	
	^{238}U	1.6E-01	± 5.4E-02	
	^{65}Zn	9.1E-03	± 2.2E-02	U

Location	Isotope	Result	± Error	RQ*
D085	^{144}Ce	-5.0E-02	± 1.6E-01	U
(600 Area)	^{60}Co	1.6E-03	± 8.8E-03	U
	^{134}Cs	4.5E-02	± 1.9E-02	
	^{137}Cs	4.5E-01	± 7.8E-02	
	^{152}Eu	3.6E-02	± 3.7E-02	U
	^{154}Eu	-2.3E-02	± 3.0E-02	U
	^{155}Eu	1.9E-02	± 3.6E-02	U
	^{238}Pu	7.5E-03	± 1.9E-02	U
	^{239,240}Pu	2.8E-02	± 1.8E-02	
	^{103}Ru	2.6E-03	± 1.0E-02	U
	^{106}Ru	-3.0E-03	± 3.0E-02	U
	^{125}Sb	-1.4E-02	± 2.5E-02	U
	^{113}Sn	2.2E-03	± 1.2E-02	U
	^{90}Sr	-1.2E-01	± 2.0E-01	U
	^{234}U	1.3E-01	± 4.5E-02	
	^{235}U	2.1E-02	± 1.6E-02	
	^{238}U	1.7E-01	± 5.6E-02	
	^{65}Zn	4.7E-02	± 2.7E-02	
D089	^{144}Ce	-7.6E-02	± 1.4E-01	U
(600 Area)	^{60}Co	2.2E-03	± 6.4E-03	U
	^{134}Cs	4.1E-02	± 1.2E-02	
	^{137}Cs	4.0E-01	± 6.5E-02	
	^{152}Eu	-3.9E-02	± 3.9E-02	U
	^{154}Eu	-6.4E-03	± 4.0E-02	U
	^{155}Eu	3.2E-02	± 3.6E-02	U
	^{238}Pu	-1.5E-02	± 2.7E-02	U
	^{239,240}Pu	5.8E-03	± 8.7E-03	U
	^{103}Ru	-2.4E-03	± 7.2E-03	U
	^{106}Ru	-3.3E-02	± 5.7E-02	U
	^{125}Sb	4.4E-03	± 1.9E-02	U
	^{113}Sn	-2.7E-03	± 9.2E-03	U
	^{90}Sr	-1.7E-01	± 1.7E-01	U
	^{234}U	1.4E-01	± 5.0E-02	
	^{235}U	6.8E-03	± 8.2E-03	
	^{238}U	1.4E-01	± 4.9E-02	
	^{65}Zn	1.2E-02	± 1.6E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D091	^{144}Ce	1.2E-01	± 1.5E-01	U
(600 Area)	^{60}Co	-1.1E-03	± 7.1E-03	U
	^{134}Cs	4.2E-02	± 1.2E-02	
	^{137}Cs	2.0E+00	± 3.5E-01	
	^{152}Eu	-2.6E-02	± 3.3E-02	U
	^{154}Eu	-5.4E-03	± 2.3E-02	U
	^{155}Eu	2.1E-02	± 3.5E-02	U
	^{238}Pu	1.4E-02	± 2.0E-02	U
	^{239,240}Pu	3.2E-03	± 4.5E-03	U
	^{103}Ru	8.5E-03	± 9.6E-03	U
	^{106}Ru	2.3E-02	± 7.0E-02	U
	^{125}Sb	-8.8E-03	± 2.4E-02	U
	^{113}Sn	-9.1E-04	± 9.1E-03	U
	^{90}Sr	-9.1E-03	± 9.1E-02	U
	^{234}U	1.7E-01	± 5.4E-02	
	^{235}U	3.7E-03	± 7.4E-03	U
	^{238}U	2.0E-01	± 6.4E-02	
	^{65}Zn	3.0E-03	± 1.9E-02	U
D095	^{144}Ce	1.6E-02	± 1.2E-01	U
(600 Area)	^{60}Co	-1.4E-04	± 1.4E-03	U
	^{134}Cs	3.1E-02	± 9.0E-03	
	^{137}Cs	5.7E-01	± 9.1E-02	
	^{152}Eu	-1.4E-02	± 2.1E-02	U
	^{154}Eu	1.5E-02	± 1.6E-02	U
	^{155}Eu	5.4E-02	± 3.6E-02	U
	^{238}Pu	-2.0E-03	± 2.0E-02	U
	^{239,240}Pu	1.2E-02	± 1.2E-02	U
	^{103}Ru	-3.9E-03	± 6.7E-03	U
	^{106}Ru	2.0E-02	± 4.8E-02	U
	^{125}Sb	-2.7E-03	± 1.7E-02	U
	^{113}Sn	-8.2E-04	± 8.2E-03	U
	^{90}Sr	1.1E-01	± 1.6E-01	U
	^{234}U	2.0E-01	± 6.6E-02	
	^{235}U	1.8E-02	± 1.4E-02	
	^{238}U	1.7E-01	± 5.9E-02	
	^{65}Zn	-7.2E-04	± 7.2E-03	U

Location	Isotope	Result	± Error	RQ*
D093	^{144}Ce	-5.8E-02	± 1.1E-01	U
(600 Area)	^{60}Co	2.0E-03	± 5.5E-03	U
	^{134}Cs	2.9E-02	± 1.2E-02	
	^{137}Cs	1.1E+00	± 1.5E-01	
	^{152}Eu	-7.9E-03	± 2.5E-02	U
	^{154}Eu	4.9E-03	± 3.2E-02	U
	^{155}Eu	2.6E-02	± 3.0E-02	U
	^{238}Pu	-5.3E-03	± 1.5E-02	U
	^{239,240}Pu	4.2E-02	± 2.0E-02	
	^{103}Ru	-7.6E-03	± 7.6E-03	U
	^{106}Ru	1.6E-02	± 5.3E-02	U
	^{125}Sb	-5.7E-03	± 1.9E-02	U
	^{113}Sn	-5.1E-03	± 9.0E-03	U
	^{90}Sr	2.5E-01	± 2.2E-01	
	^{234}U	1.8E-01	± 6.1E-02	
	^{235}U	9.6E-03	± 1.2E-02	U
	^{238}U	1.9E-01	± 6.5E-02	
	^{65}Zn	-6.7E-03	± 1.5E-02	U
D097	^{144}Ce	7.5E-03	± 7.5E-02	U
(600 Area)	^{60}Co	-3.0E-03	± 7.4E-03	U
	^{134}Cs	4.6E-02	± 1.4E-02	
	^{137}Cs	8.6E-02	± 1.9E-02	
	^{152}Eu	-2.3E-02	± 2.9E-02	U
	^{154}Eu	-1.9E-02	± 2.8E-02	U
	^{155}Eu	3.6E-02	± 3.8E-02	U
	^{238}Pu	1.7E-03	± 1.7E-02	U
	^{239,240}Pu	8.5E-03	± 7.9E-03	
	^{103}Ru	-1.7E-03	± 8.3E-03	U
	^{106}Ru	3.8E-02	± 6.5E-02	U
	^{125}Sb	6.5E-03	± 1.9E-02	U
	^{113}Sn	-7.1E-03	± 9.7E-03	U
	^{90}Sr	-9.3E-02	± 2.0E-01	U
	^{234}U	1.8E-01	± 6.1E-02	
	^{235}U	9.2E-03	± 9.2E-03	
	^{238}U	1.4E-01	± 5.0E-02	
	^{65}Zn	2.0E-02	± 2.0E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D099	^{144}Ce	-8.7E-02	± 1.4E-01	U
(600 Area)	^{60}Co	1.2E-03	± 8.0E-03	U
	^{134}Cs	1.3E-02	± 1.1E-02	U
	^{137}Cs	3.4E-01	± 5.9E-02	
	^{152}Eu	-3.8E-02	± 3.8E-02	U
	^{154}Eu	-2.4E-02	± 2.7E-02	U
	^{155}Eu	6.1E-02	± 3.8E-02	U
	^{238}Pu	1.8E-03	± 1.5E-02	U
	^{239,240}Pu	1.1E-02	± 1.2E-02	U
	^{103}Ru	4.2E-03	± 8.9E-03	U
	^{106}Ru	-1.9E-02	± 6.9E-02	U
	^{125}Sb	8.6E-03	± 2.2E-02	U
	^{113}Sn	-2.7E-03	± 1.1E-02	U
	^{90}Sr	2.8E-01	± 2.2E-01	
	^{234}U	2.4E-01	± 7.7E-02	
	^{235}U	5.6E-02	± 2.7E-02	
	^{238}U	1.9E-01	± 6.5E-02	
	^{65}Zn	5.2E-02	± 2.5E-02	
D103	^{144}Ce	-3.6E-02	± 1.6E-01	U
(600 Area)	^{60}Co	-6.8E-03	± 6.8E-03	U
	^{134}Cs	3.0E-02	± 1.1E-02	
	^{137}Cs	9.3E-01	± 1.6E-01	
	^{152}Eu	1.4E-02	± 4.8E-02	U
	^{154}Eu	4.2E-03	± 2.6E-02	U
	^{155}Eu	3.8E-02	± 4.2E-02	U
	^{238}Pu	3.1E-03	± 6.2E-03	U
	^{239,240}Pu	9.9E-02	± 3.4E-02	
	^{103}Ru	-1.6E-03	± 9.9E-03	U
	^{106}Ru	2.5E-02	± 6.9E-02	U
	^{125}Sb	1.5E-02	± 2.4E-02	U
	^{113}Sn	-7.3E-03	± 1.2E-02	U
	^{90}Sr	-2.0E-02	± 1.8E-01	U
	^{234}U	1.5E-01	± 5.1E-02	
	^{235}U	7.3E-03	± 8.8E-03	U
	^{238}U	1.4E-01	± 4.6E-02	
	^{65}Zn	2.8E-02	± 1.9E-02	U

Location	Isotope	Result	± Error	RQ*
D101	^{144}Ce	1.4E-02	± 1.2E-01	U
(600 Area)	^{60}Co	-1.4E-03	± 7.0E-03	U
	^{134}Cs	3.4E-02	± 1.1E-02	
	^{137}Cs	2.5E-01	± 4.4E-02	
	^{152}Eu	-1.7E-02	± 2.0E-02	U
	^{154}Eu	3.6E-02	± 3.0E-02	U
	^{155}Eu	6.1E-02	± 4.1E-02	U
	^{238}Pu	7.8E-03	± 8.6E-03	U
	^{239,240}Pu	2.0E-02	± 1.2E-02	
	^{103}Ru	5.2E-03	± 7.8E-03	U
	^{106}Ru	-2.1E-03	± 2.1E-02	U
	^{125}Sb	-3.4E-03	± 1.8E-02	U
	^{113}Sn	6.9E-03	± 9.2E-03	U
	^{90}Sr	2.7E-01	± 2.2E-01	U
	^{234}U	1.1E-01	± 4.0E-02	
	^{235}U	2.1E-02	± 1.4E-02	
	^{238}U	1.5E-01	± 5.1E-02	
	^{65}Zn	4.2E-02	± 1.9E-02	
D105	^{144}Ce	-9.4E-02	± 1.3E-01	U
(600 Area)	^{60}Co	3.1E-04	± 3.1E-03	U
	^{134}Cs	4.2E-02	± 1.5E-02	
	^{137}Cs	2.0E-01	± 3.8E-02	
	^{152}Eu	-2.3E-02	± 4.3E-02	U
	^{154}Eu	-8.4E-03	± 3.4E-02	U
	^{155}Eu	1.3E-02	± 3.4E-02	U
	^{238}Pu	1.4E-02	± 3.8E-02	U
	^{239,240}Pu	2.2E-01	± 7.0E-02	
	^{103}Ru	-2.5E-03	± 9.7E-03	U
	^{106}Ru	5.4E-02	± 7.6E-02	U
	^{125}Sb	3.1E-03	± 2.3E-02	U
	^{113}Sn	4.1E-03	± 1.3E-02	U
	^{90}Sr	-2.6E-01	± 2.6E-01	U
	^{234}U	9.3E-02	± 3.6E-02	
	^{235}U	1.1E-02	± 1.0E-02	
	^{238}U	1.5E-01	± 5.1E-02	
	^{65}Zn	8.6E-02	± 4.0E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D107 (600 Area)	^{144}Ce	3.1E-02	± 1.0E-01	U
	^{60}Co	2.0E-03	± 6.9E-03	U
	^{134}Cs	2.6E-02	± 8.8E-03	
	^{137}Cs	8.6E-02	± 1.8E-02	
	^{152}Eu	-2.9E-02	± 2.9E-02	U
	^{154}Eu	-7.1E-04	± 7.1E-03	U
	^{155}Eu	6.4E-02	± 3.9E-02	U
	^{238}Pu	1.8E-03	± 1.8E-02	U
	^{239,240}Pu	1.2E-01	± 4.3E-02	
	^{103}Ru	-2.2E-03	± 7.4E-03	U
	^{106}Ru	1.2E-02	± 6.0E-02	U
	^{125}Sb	6.3E-03	± 1.7E-02	U
	^{113}Sn	-5.2E-03	± 8.8E-03	U
	^{90}Sr	2.8E-03	± 2.8E-02	U
	^{234}U	1.3E-01	± 4.4E-02	
	^{235}U	1.8E-02	± 1.2E-02	
	^{238}U	1.6E-01	± 5.1E-02	
	^{65}Zn	2.1E-02	± 1.8E-02	U
D111 (Duplicate of D051, 200 West)	^{144}Ce	3.2E-03	± 3.2E-02	U
	^{60}Co	-1.2E-03	± 7.7E-03	U
	^{134}Cs	5.3E-02	± 1.7E-02	
	^{137}Cs	2.0E-01	± 4.0E-02	
	^{152}Eu	9.1E-03	± 3.0E-02	U
	^{154}Eu	-3.3E-03	± 2.9E-02	U
	^{155}Eu	3.3E-02	± 3.9E-02	U
	^{238}Pu	-8.6E-03	± 2.7E-02	U
	^{239,240}Pu	1.9E-02	± 1.5E-02	
	^{103}Ru	-3.7E-03	± 9.1E-03	U
	^{106}Ru	-1.2E-02	± 6.8E-02	U
	^{125}Sb	-1.0E-02	± 2.1E-02	U
	^{113}Sn	-3.1E-03	± 1.0E-02	U
	^{90}Sr	5.2E-02	± 1.9E-01	U
	^{234}U	1.6E-01	± 5.3E-02	
	^{235}U	1.1E-02	± 9.5E-03	
	^{238}U	1.4E-01	± 4.8E-02	
	^{65}Zn	-1.9E-02	± 2.2E-02	U

Location	Isotope	Result	± Error	RQ*
D109 (600 Area)	^{144}Ce	2.5E-02	± 1.7E-01	U
	^{60}Co	9.6E-04	± 6.7E-03	U
	^{134}Cs	4.1E-02	± 1.5E-02	
	^{137}Cs	6.7E-01	± 1.2E-01	
	^{152}Eu	-9.7E-05	± 9.7E-04	U
	^{154}Eu	-1.0E-02	± 2.2E-02	U
	^{155}Eu	1.8E-02	± 4.1E-02	U
	^{238}Pu	3.3E-02	± 3.3E-02	U
	^{239,240}Pu	1.8E+00	± 4.7E-01	
	^{103}Ru	-5.7E-03	± 1.0E-02	U
	^{106}Ru	3.0E-02	± 6.8E-02	U
	^{125}Sb	1.1E-03	± 1.1E-02	U
	^{113}Sn	-6.2E-03	± 1.2E-02	U
	^{90}Sr	1.4E-01	± 2.0E-01	U
	^{234}U	1.4E-01	± 4.8E-02	
	^{235}U	1.1E-02	± 9.5E-03	
	^{238}U	1.3E-01	± 4.5E-02	
	^{65}Zn	3.2E-02	± 2.0E-02	
D113 (Duplicate of D083, 600 Area)	^{144}Ce	1.4E-02	± 1.3E-01	U
	^{60}Co	-1.0E-03	± 5.7E-03	U
	^{134}Cs	3.2E-02	± 1.1E-02	
	^{137}Cs	3.1E-01	± 5.1E-02	
	^{152}Eu	-7.2E-03	± 2.1E-02	U
	^{154}Eu	-4.7E-03	± 2.1E-02	U
	^{155}Eu	2.2E-02	± 2.7E-02	U
	^{238}Pu	-1.8E-03	± 1.2E-02	U
	^{239,240}Pu	2.3E-02	± 1.6E-02	
	^{103}Ru	-1.3E-03	± 6.8E-03	U
	^{106}Ru	-3.4E-02	± 4.9E-02	U
	^{125}Sb	1.0E-02	± 1.7E-02	U
	^{113}Sn	-8.8E-03	± 8.8E-03	U
	^{90}Sr	-1.4E-01	± 1.6E-01	U
	^{234}U	1.3E-01	± 4.5E-02	
	^{235}U	1.7E-02	± 1.3E-02	
	^{238}U	1.2E-01	± 4.2E-02	
	^{65}Zn	-8.8E-03	± 1.5E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D116	^{144}Ce	-6.1E-03	± 6.1E-02	U
(300 Area)	^{60}Co	-2.8E-03	± 4.6E-03	U
	^{134}Cs	2.8E-02	± 7.5E-03	
	^{137}Cs	2.4E-02	± 1.1E-02	
	^{152}Eu	-9.8E-03	± 1.8E-02	U
	^{154}Eu	-2.0E-03	± 1.6E-02	U
	^{155}Eu	2.3E-02	± 2.7E-02	U
	^{238}Pu	-2.3E-02	± 3.0E-02	U
	^{239,240}Pu	1.8E-03	± 8.1E-03	U
	^{103}Ru	-7.9E-04	± 4.9E-03	U
	^{106}Ru	1.5E-02	± 4.1E-02	U
	^{125}Sb	3.7E-03	± 1.4E-02	U
	^{113}Sn	-4.7E-03	± 6.8E-03	U
	^{90}Sr	1.6E-02	± 8.8E-02	U
	^{234}U	2.2E-01	± 5.9E-02	
	^{235}U	1.7E-02	± 1.2E-02	
	^{238}U	1.8E-01	± 5.0E-02	
	^{65}Zn	-8.3E-03	± 1.3E-02	U
D119	^{144}Ce	-1.1E-01	± 1.2E-01	U
(300 Area)	^{60}Co	2.2E-03	± 6.3E-03	U
	^{134}Cs	2.4E-02	± 1.0E-02	
	^{137}Cs	1.6E-01	± 2.6E-02	
	^{152}Eu	-2.5E-02	± 2.6E-02	U
	^{154}Eu	-2.3E-03	± 2.1E-02	U
	^{155}Eu	4.1E-02	± 2.9E-02	U
	^{238}Pu	2.3E-02	± 1.6E-02	
	^{239,240}Pu	7.3E-01	± 1.5E-01	
	^{103}Ru	5.6E-03	± 6.5E-03	U
	^{106}Ru	1.0E-03	± 1.0E-02	U
	^{125}Sb	-4.4E-04	± 4.4E-03	U
	^{113}Sn	4.4E-03	± 8.2E-03	U
	^{90}Sr	6.7E-03	± 6.7E-02	U
	^{234}U	8.5E+00	± 1.6E+00	
	^{235}U	4.1E-01	± 9.8E-02	
	^{238}U	8.6E+00	± 1.6E+00	
	^{65}Zn	5.3E-02	± 1.9E-02	

Location	Isotope	Result	± Error	RQ*
D117	^{144}Ce	-1.1E-01	± 1.1E-01	U
(300 Area)	^{60}Co	-1.2E-03	± 5.0E-03	U
	^{134}Cs	2.5E-02	± 7.4E-03	
	^{137}Cs	2.4E-02	± 8.3E-03	
	^{152}Eu	3.4E-03	± 1.7E-02	U
	^{154}Eu	-2.1E-03	± 1.7E-02	U
	^{155}Eu	2.4E-02	± 2.5E-02	U
	^{238}Pu	1.3E-02	± 1.1E-02	U
	^{239,240}Pu	9.6E-03	± 1.1E-02	U
	^{103}Ru	4.3E-04	± 4.3E-03	U
	^{106}Ru	2.8E-02	± 4.6E-02	U
	^{125}Sb	4.6E-03	± 1.4E-02	U
	^{113}Sn	-9.9E-04	± 6.9E-03	U
	^{90}Sr	-6.8E-02	± 9.9E-02	U
	^{234}U	1.5E-01	± 4.4E-02	
	^{235}U	2.2E-02	± 1.5E-02	
	^{238}U	1.4E-01	± 4.2E-02	
	^{65}Zn	6.1E-03	± 1.4E-02	U
D121	^{144}Ce	6.6E-02	± 1.1E-01	U
(300 Area)	^{60}Co	-3.3E-03	± 6.2E-03	U
	^{134}Cs	2.5E-02	± 1.2E-02	
	^{137}Cs	-2.2E-03	± 6.4E-03	U
	^{152}Eu	-3.8E-03	± 2.3E-02	U
	^{154}Eu	-1.4E-02	± 2.1E-02	U
	^{155}Eu	2.2E-02	± 2.7E-02	U
	^{238}Pu	-3.7E-03	± 3.1E-02	U
	^{239,240}Pu	3.7E-03	± 9.3E-03	U
	^{103}Ru	-5.2E-05	± 5.2E-04	U
	^{106}Ru	-6.4E-03	± 5.4E-02	U
	^{125}Sb	-6.1E-03	± 1.6E-02	U
	^{113}Sn	-3.4E-03	± 7.8E-03	U
	^{90}Sr	7.1E-02	± 1.3E-01	U
	^{234}U	4.0E-01	± 9.2E-02	
	^{235}U	2.0E-02	± 1.4E-02	
	^{238}U	3.9E-01	± 9.0E-02	
	^{65}Zn	1.7E-03	± 1.6E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D123	^{144}Ce	-8.1E-02	± 9.5E-02	U
(300 Area)	^{60}Co	5.6E-03	± 5.2E-03	U
	^{134}Cs	2.6E-02	± 1.1E-02	
	^{137}Cs	2.3E-02	± 9.8E-03	
	^{152}Eu	1.3E-03	± 1.3E-02	U
	^{154}Eu	-9.0E-03	± 1.8E-02	U
	^{155}Eu	1.5E-02	± 2.5E-02	U
	^{238}Pu	5.4E-03	± 3.0E-02	U
	^{239,240}Pu	3.6E-03	± 7.2E-03	U
	^{103}Ru	-2.8E-03	± 5.4E-03	U
	^{106}Ru	3.6E-03	± 3.6E-02	U
	^{125}Sb	-5.8E-03	± 1.5E-02	U
	^{113}Sn	-1.1E-03	± 7.9E-03	U
	^{90}Sr	-7.4E-02	± 8.9E-02	U
	^{234}U	1.6E-01	± 4.6E-02	
	^{235}U	2.1E-03	± 4.2E-03	U
	^{238}U	2.0E-01	± 5.4E-02	
	^{65}Zn	1.4E-02	± 1.3E-02	U
D125	^{144}Ce	1.3E-01	± 1.0E-01	U
(300 Area)	^{60}Co	1.1E-03	± 5.7E-03	U
	^{134}Cs	2.9E-02	± 1.0E-02	
	^{137}Cs	2.0E-01	± 2.8E-02	
	^{152}Eu	-1.4E-02	± 1.8E-02	U
	^{154}Eu	9.8E-03	± 1.9E-02	U
	^{155}Eu	3.5E-03	± 2.4E-02	U
	^{238}Pu	-2.1E-02	± 2.5E-02	U
	^{239,240}Pu	4.6E-03	± 5.5E-03	
	^{103}Ru	-2.1E-03	± 5.5E-03	U
	^{106}Ru	1.9E-03	± 1.9E-02	U
	^{125}Sb	-7.7E-03	± 1.5E-02	U
	^{113}Sn	-6.2E-03	± 7.3E-03	U
	^{90}Sr	1.3E-01	± 1.2E-01	U
	^{234}U	7.6E-01	± 1.6E-01	
	^{235}U	5.8E-02	± 2.3E-02	
	^{238}U	6.5E-01	± 1.4E-01	
	^{65}Zn	6.6E-04	± 6.6E-03	U

Location	Isotope	Result	± Error	RQ*
D124	^{144}Ce	6.0E-02	± 1.0E-01	U
(300 Area)	^{60}Co	-2.2E-03	± 5.0E-03	U
	^{134}Cs	2.9E-02	± 8.6E-03	
	^{137}Cs	5.1E-02	± 1.0E-02	
	^{152}Eu	5.0E-03	± 1.8E-02	U
	^{154}Eu	-8.7E-03	± 1.7E-02	U
	^{155}Eu	2.9E-02	± 2.9E-02	U
	^{238}Pu	1.7E-03	± 1.7E-02	U
	^{239,240}Pu	-1.7E-03	± 9.0E-03	U
	^{103}Ru	-3.5E-04	± 3.5E-03	U
	^{106}Ru	-2.3E-03	± 2.3E-02	U
	^{125}Sb	1.5E-02	± 1.5E-02	U
	^{113}Sn	-4.5E-03	± 7.2E-03	U
	^{90}Sr	-1.2E-02	± 1.1E-01	U
	^{234}U	2.2E-01	± 5.7E-02	
	^{235}U	7.2E-03	± 1.2E-02	U
	^{238}U	1.8E-01	± 4.9E-02	
	^{65}Zn	-6.2E-03	± 1.4E-02	U
D126	^{144}Ce	-7.5E-02	± 1.0E-01	U
(300 Area)	^{60}Co	-2.1E-03	± 6.4E-03	U
	^{134}Cs	2.5E-02	± 1.2E-02	
	^{137}Cs	1.3E-02	± 8.1E-03	
	^{152}Eu	-1.4E-02	± 1.9E-02	U
	^{154}Eu	4.8E-03	± 2.2E-02	U
	^{155}Eu	2.7E-02	± 2.4E-02	U
	^{238}Pu	-2.9E-02	± 2.9E-02	U
	^{239,240}Pu	1.9E-03	± 8.6E-03	U
	^{103}Ru	-1.7E-03	± 6.1E-03	U
	^{106}Ru	-3.6E-02	± 6.2E-02	U
	^{125}Sb	1.7E-02	± 2.0E-02	U
	^{113}Sn	-2.3E-03	± 7.9E-03	U
	^{90}Sr	1.2E-02	± 1.1E-01	U
	^{234}U	1.8E-01	± 5.2E-02	
	^{235}U	1.3E-02	± 1.2E-02	U
	^{238}U	1.5E-01	± 4.5E-02	
	^{65}Zn	2.9E-02	± 1.9E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D127	^{144}Ce	-2.1E-02	± 1.0E-01	U
(300 Area)	^{60}Co	2.9E-03	± 6.4E-03	U
	^{134}Cs	1.7E-02	± 8.8E-03	
	^{137}Cs	2.1E-01	± 3.4E-02	
	^{152}Eu	-1.4E-02	± 2.7E-02	U
	^{154}Eu	-4.6E-03	± 2.0E-02	U
	^{155}Eu	6.2E-02	± 2.8E-02	
	^{238}Pu	1.7E-03	± 6.0E-03	U
	^{239,240}Pu	1.4E-02	± 1.1E-02	
	^{103}Ru	1.4E-03	± 6.6E-03	U
	^{106}Ru	-9.0E-03	± 5.5E-02	U
	^{125}Sb	7.2E-03	± 1.7E-02	U
	^{113}Sn	2.5E-04	± 2.5E-03	U
	^{90}Sr	3.0E-01	± 1.2E-01	
	^{234}U	2.2E-01	± 5.7E-02	
	^{235}U	1.0E-02	± 1.1E-02	U
	^{238}U	1.7E-01	± 4.8E-02	
	^{65}Zn	4.9E-02	± 1.9E-02	
D129	^{144}Ce	-3.6E-02	± 1.0E-01	U
(300 Area)	^{60}Co	-5.1E-04	± 4.8E-03	U
	^{134}Cs	2.0E-02	± 7.2E-03	
	^{137}Cs	1.3E-01	± 2.1E-02	
	^{152}Eu	1.5E-02	± 2.1E-02	U
	^{154}Eu	-6.6E-03	± 1.6E-02	U
	^{155}Eu	2.7E-02	± 2.9E-02	U
	^{238}Pu	-1.4E-02	± 2.8E-02	U
	^{239,240}Pu	1.1E-02	± 1.2E-02	U
	^{103}Ru	-5.1E-04	± 5.1E-03	U
	^{106}Ru	1.6E-02	± 4.3E-02	U
	^{125}Sb	9.4E-03	± 1.5E-02	U
	^{113}Sn	-2.5E-03	± 7.3E-03	U
	^{90}Sr	1.7E-02	± 8.8E-02	U
	^{234}U	3.2E-01	± 7.7E-02	
	^{235}U	2.7E-02	± 1.5E-02	
	^{238}U	4.6E-01	± 1.0E-01	
	^{65}Zn	4.4E-03	± 1.4E-02	U

Location	Isotope	Result	± Error	RQ*
D128	^{144}Ce	-8.3E-03	± 8.3E-02	U
(300 Area)	^{60}Co	1.2E-03	± 5.2E-03	U
	^{134}Cs	2.1E-02	± 7.3E-03	
	^{137}Cs	1.2E-01	± 2.2E-02	
	^{152}Eu	-1.2E-02	± 1.9E-02	U
	^{154}Eu	-9.0E-03	± 1.7E-02	U
	^{155}Eu	4.8E-02	± 3.4E-02	U
	^{238}Pu	4.0E-03	± 1.3E-02	U
	^{239,240}Pu	6.0E-03	± 7.2E-03	
	^{103}Ru	4.4E-04	± 4.4E-03	U
	^{106}Ru	2.9E-03	± 2.9E-02	U
	^{125}Sb	1.9E-02	± 1.7E-02	U
	^{113}Sn	-3.0E-03	± 8.1E-03	U
	^{90}Sr	6.2E-02	± 9.3E-02	U
	^{234}U	1.6E-01	± 4.6E-02	
	^{235}U	1.7E-02	± 1.2E-02	
	^{238}U	2.0E-01	± 5.4E-02	
	^{65}Zn	3.5E-02	± 1.5E-02	
D130	^{144}Ce	8.2E-05	± 8.1E-04	U
(400 Area)	^{60}Co	-2.8E-03	± 5.5E-03	U
	^{134}Cs	2.2E-02	± 8.7E-03	
	^{137}Cs	1.2E-02	± 7.4E-03	
	^{152}Eu	-1.0E-02	± 1.9E-02	U
	^{154}Eu	8.0E-03	± 2.0E-02	U
	^{155}Eu	1.8E-02	± 2.7E-02	U
	^{238}Pu	8.6E-03	± 2.9E-02	U
	^{239,240}Pu	3.4E-03	± 6.8E-03	U
	^{103}Ru	-2.0E-03	± 6.4E-03	U
	^{106}Ru	-3.2E-02	± 4.9E-02	U
	^{125}Sb	1.6E-03	± 1.6E-02	U
	^{113}Sn	-1.7E-03	± 7.9E-03	U
	^{90}Sr	1.8E-01	± 1.3E-01	U
	^{234}U	9.0E-02	± 3.2E-02	
	^{235}U	4.0E-03	± 5.6E-03	U
	^{238}U	1.2E-01	± 3.8E-02	
	^{65}Zn	-7.2E-03	± 1.5E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

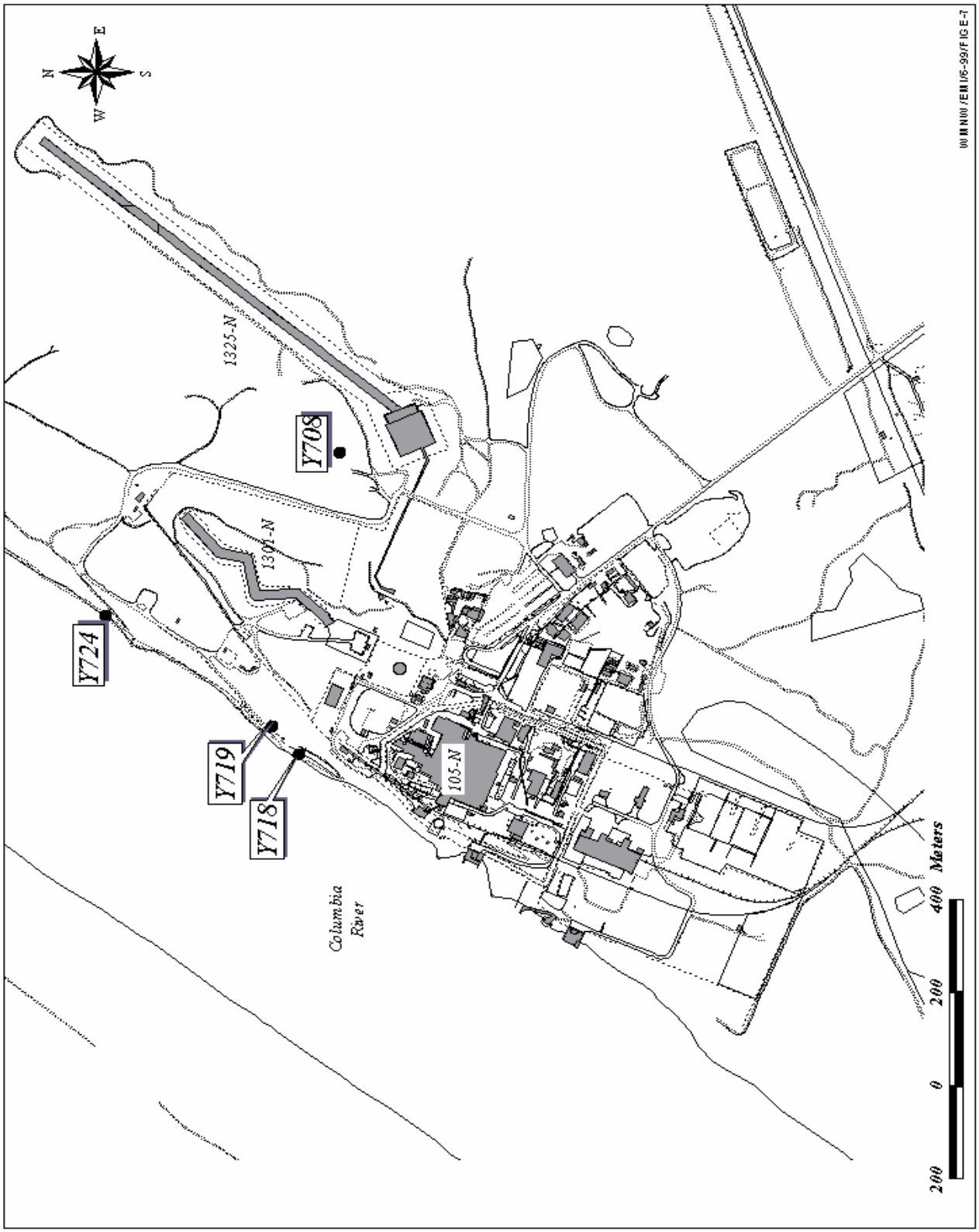
Table 3-3. 2003 Soil Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Error	RQ*
D131	^{144}Ce	-6.8E-03	± 6.8E-02	U
(Duplicate	^{60}Co	-2.0E-03	± 4.8E-03	U
of D119,	^{134}Cs	2.8E-02	± 9.2E-03	
300 Area)	^{137}Cs	1.3E-01	± 1.9E-02	
	^{152}Eu	7.1E-04	± 7.1E-03	U
	^{154}Eu	-1.2E-02	± 1.9E-02	U
	^{155}Eu	6.7E-02	± 3.6E-02	U
	^{238}Pu	5.2E-03	± 2.8E-02	U
	^{239,240}Pu	2.5E-01	± 6.3E-02	
	^{103}Ru	3.2E-03	± 6.1E-03	U
	^{106}Ru	5.9E-03	± 4.6E-02	U
	^{125}Sb	1.4E-02	± 1.5E-02	U
	^{113}Sn	-5.2E-03	± 7.7E-03	U
	^{90}Sr	6.7E-02	± 1.1E-01	U
	^{234}U	6.4E+00	± 1.2E+00	
	^{235}U	3.1E-01	± 7.8E-02	
	^{238}U	6.5E+00	± 1.2E+00	
	^{65}Zn	-5.5E-03	± 1.5E-02	U

Location	Isotope	Result	± Error	RQ*
D140	^{144}Ce	2.4E-02	± 1.2E-01	U
(Duplicate	^{60}Co	4.7E-03	± 6.2E-03	U
of D123,	^{134}Cs	2.8E-02	± 8.6E-03	
300 Area)	^{137}Cs	3.8E-02	± 1.1E-02	
	^{152}Eu	-1.4E-04	± 1.4E-03	U
	^{154}Eu	-3.7E-03	± 1.9E-02	U
	^{155}Eu	3.7E-02	± 3.3E-02	U
	^{238}Pu	-4.9E-03	± 1.5E-02	U
	^{239,240}Pu	6.6E-03	± 7.9E-03	U
	^{103}Ru	1.1E-03	± 6.7E-03	U
	^{106}Ru	-6.0E-02	± 6.0E-02	U
	^{125}Sb	1.5E-02	± 1.6E-02	U
	^{113}Sn	-3.6E-03	± 8.0E-03	U
	^{90}Sr	7.2E-02	± 9.4E-02	U
	^{234}U	2.0E-01	± 5.2E-02	
	^{235}U	7.8E-03	± 7.8E-03	
	^{238}U	2.2E-01	± 5.7E-02	
	^{65}Zn	3.3E-02	± 2.3E-02	

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Figure 3-10. 2003 Vegetation Sampling Locations, 100 N Area.



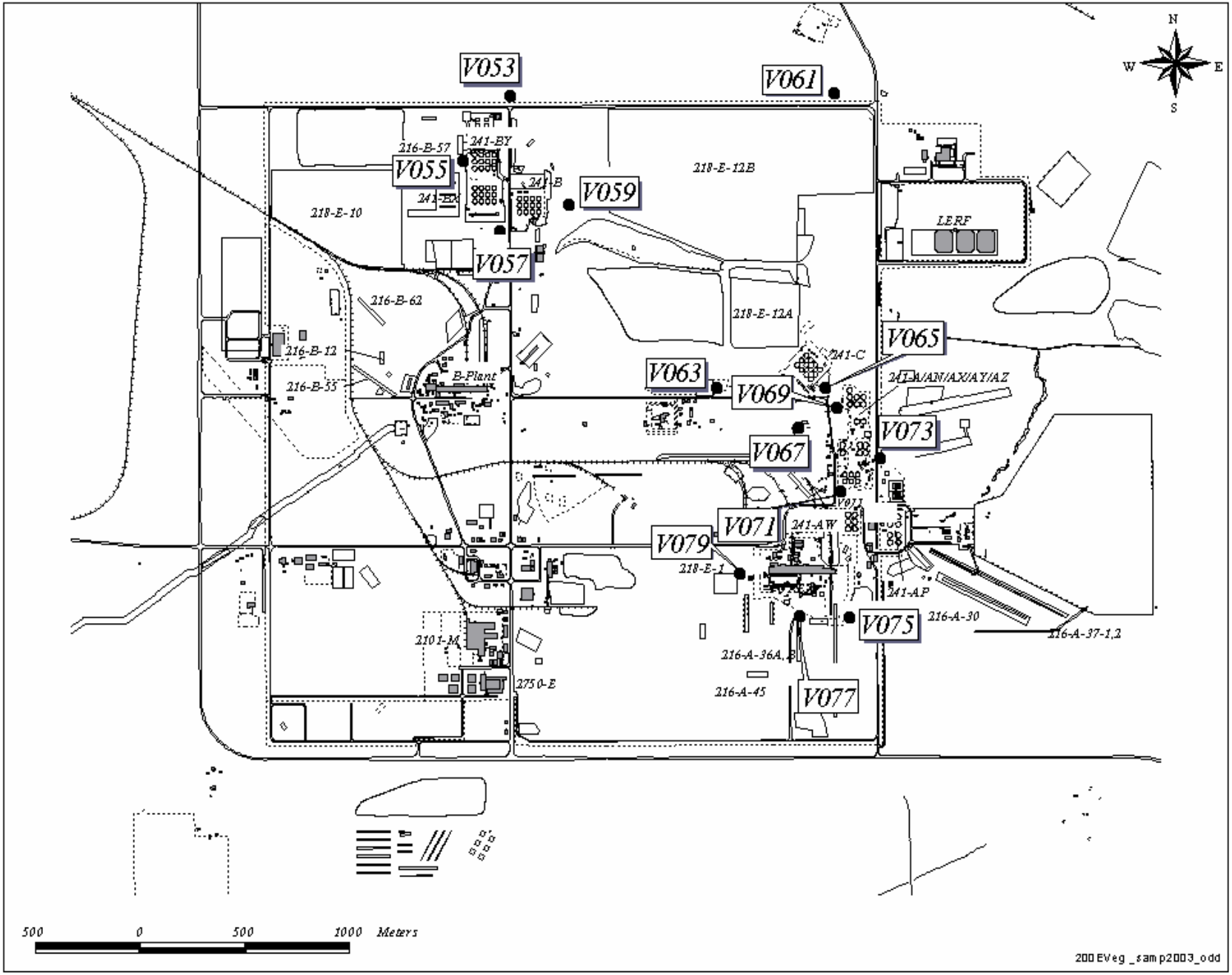


Figure 3-11. 2003 Vegetation Sampling Locations, 200 East Area.

Figure 3-12. 2003 Vegetation Sampling Locations, 200 West Area.

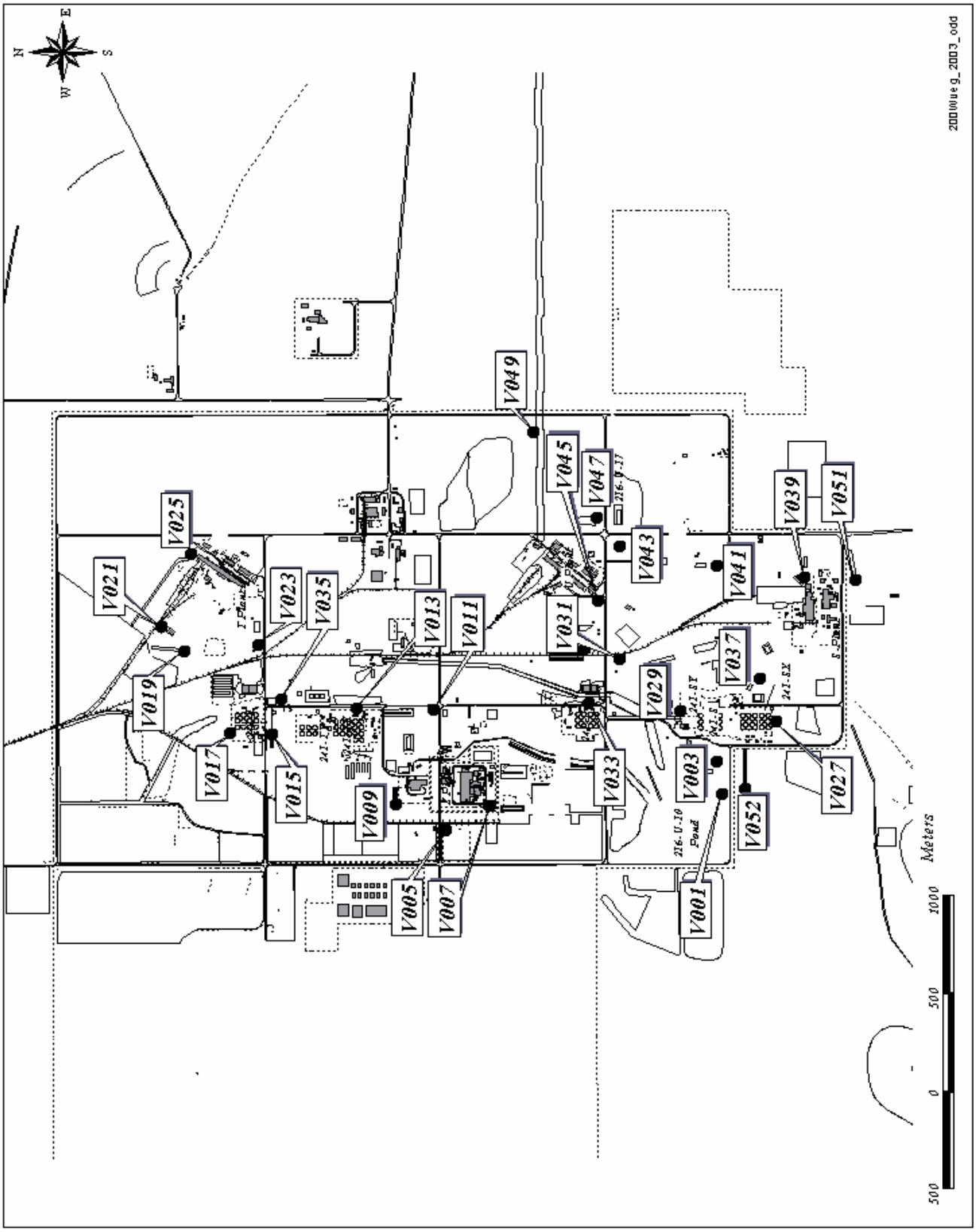


Figure 3-13. 2003 Vegetation Sampling Locations, 300 Area.

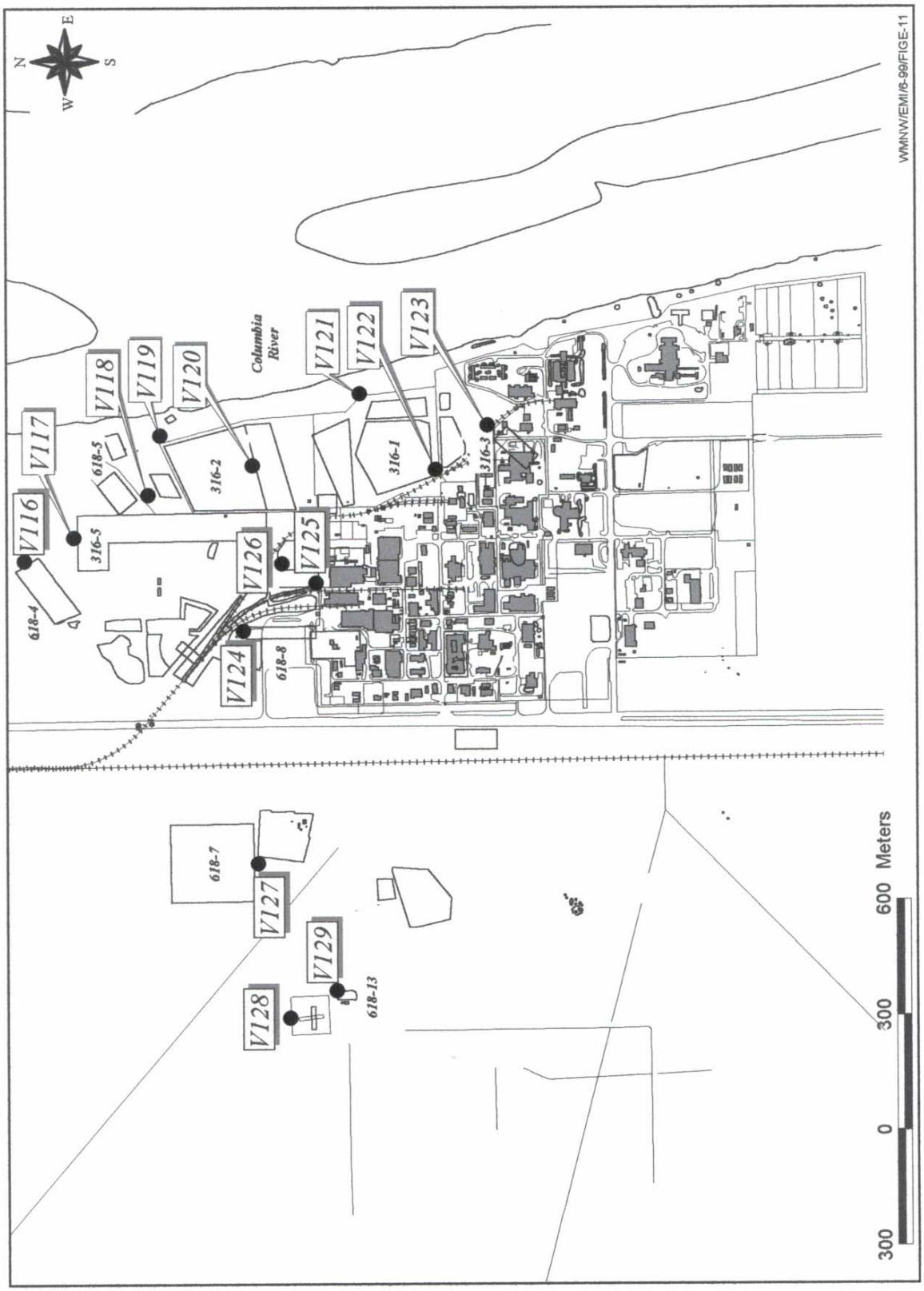
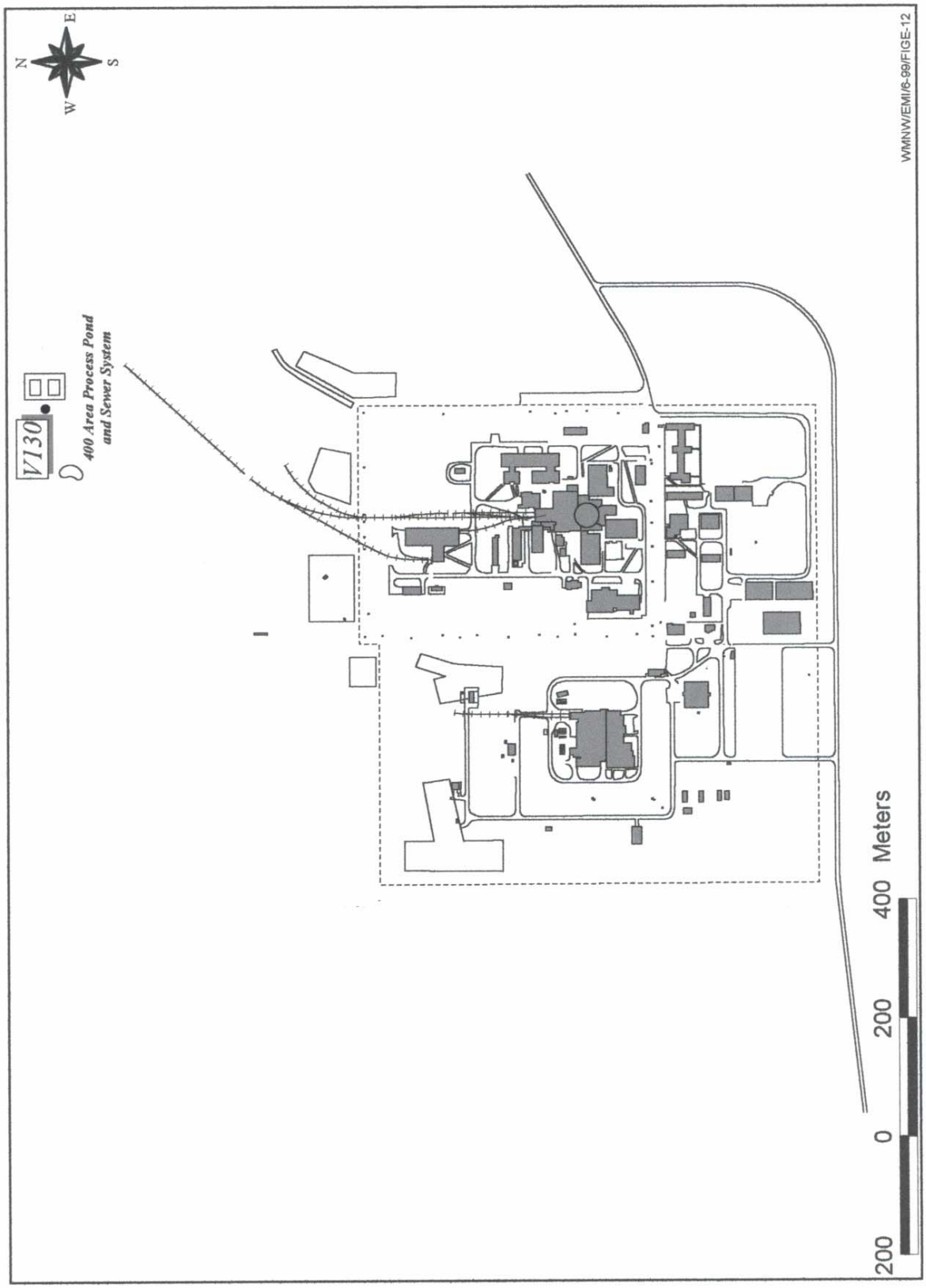


Figure 3-14. 2003 Vegetation Sampling Locations, 400 Area.



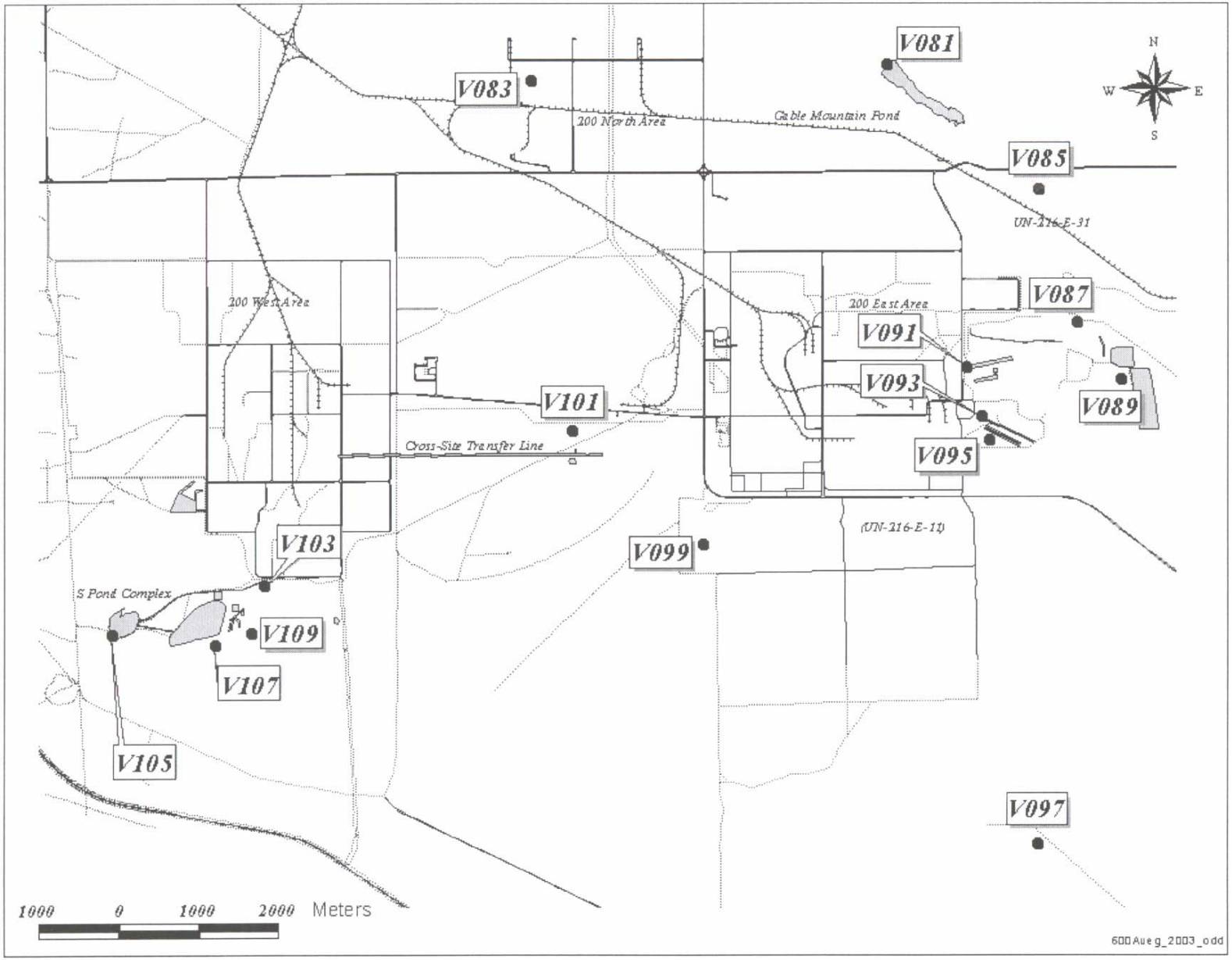


Figure 3-15. 2003 Vegetation Sampling Locations, 600 Area.

Table 3-4. Average Radionuclide Concentrations (pCi/g[a]) in Hanford Vegetation, 1995 through 2003.

100-N Area

Year	^{60}Co	^{90}Sr	^{137}Cs	^{234}U	^{238}U	^{239,240}Pu
1995	3.0E-02 ± 5.1E-02	5.4E+00 ± 4.8E+00	8.1E-02 ± 4.4E-02	1.1E-02 ± 6.6E-03	9.2E-03 ± 4.8E-03	3.3E-03 ± 1.6E-03
1996	2.4E+00 ± 4.5E+00	2.3E+02 ± 4.4E+02	2.3E+02 ± 2.0E+02	2.6E-02 ± 3.2E-02	2.2E-02 ± 1.7E-01	-5.1E-03 ± 0.0E+00
1997	4.2E-01 ± 5.0E-02	3.6E+00 ± 5.3E+00	1.6E-01 ± 7.7E-02	1.3E-02 ± 2.9E-03	9.7E-03 ± 4.7E-03	Not Detected
1998	6.2E-01 ± 6.5E-01	1.2E+01 ± 6.0E+00	3.8E+01 ± 6.5E+01	1.4E-02 ± 6.0E-03	8.7E-03 ± 4.4E-03	4.2E-03 ± 2.3E-03
1999	6.1E-01 ± 5.9E-01	9.1E+01 ± 1.0E+02	2.5E+02 ± 2.5E+02	2.8E-02 ± 1.0E-03	2.1E-02 ± 7.0E-03	2.2E-02 ± 1.0E-02
2000	4.8E-02 ± 3.2E-02	5.7E+00 ± 8.7E+00	2.0E-01 ± 1.2E-01	3.3E-02 ± 2.7E-02	2.4E-02 ± 1.8E-02	9.1E-03 ± 8.3E-03
2001	8.9E-01 ± 1.3E+00	3.5E+00 ± 3.4E+00	3.8E-01 ± 2.2E-01	9.8E-03 ± 2.4E-03	9.2E-03 ± 2.9E-03	2.4E-02 ± 2.5E-02
2002	3.7E-03 ± 3.7E-02	5.4E+00 ± 1.8E+01	2.4E-03 ± 8.4E-03	9.8E-03 ± 4.5E-03	5.1E-03 ± 2.9E-03	1.9E-03 ± 5.3E-03
2003	6.6E-02 ± 6.8E-02	1.4E+01 ± 4.5E+01	1.5E-01 ± 1.5E-01	6.8E-03 ± 2.1E-03	4.6E-03 ± 2.9E-03	-2.8E-04 ± 7.0E-03

200/600 Areas

Year	^{60}Co	^{90}Sr	^{137}Cs	^{234}U	^{238}U	^{239,240}Pu
1995	1.4E-02 ± 2.1E-02	1.4E-02 ± 2.1E-02	1.6E-01 ± 1.4E-01	1.1E-02 ± 6.3E-03	7.9E-03 ± 4.4E-03	4.9E-03 ± 2.9E-03
1996	2.6E-02 ± 2.4E-02	3.7E-01 ± 1.8E-01	6.9E-02 ± 3.0E-02	5.0E-03 ± 1.0E-03	5.0E-03 ± 1.0E-03	4.1E-03 ± 3.1E-03
1997	Not Detected	2.9E+00 ± 2.5E+00	1.3E-01 ± 6.0E-02	1.5E-02 ± 2.4E-03	1.1E-02 ± 2.1E-03	6.6E-03 ± 1.0E-04
1998	Not Detected	3.3E-01 ± 1.3E-01	2.1E-01 ± 9.0E-02	1.6E-02 ± 3.0E-03	9.7E-03 ± 1.3E-03	1.8E-02 ± 8.0E-03
1999	Not Detected	7.9E-01 ± 3.8E-01	1.3E-01 ± 4.0E-02	3.3E-02 ± 6.0E-03	2.3E-02 ± 4.0E-03	1.4E-02 ± 4.0E-03
2000	Not Detected	1.3E+00 ± 8.0E-01	1.6E-01 ± 6.0E-02	2.0E-02 ± 3.0E-02	1.4E-02 ± 2.0E-03	3.3E-02 ± 2.8E-02
2001	Not Detected	1.0E+00 ± 6.2E-01	1.7E-01 ± 6.5E-02	1.9E-02 ± 2.8E-03	1.8E-02 ± 2.6E-03	2.1E-02 ± 7.1E-03
2002	3.2E-04 ± 1.8E-03	3.2E-01 ± 1.1E+00	8.9E-02 ± 4.2E-01	1.6E-02 ± 1.6E-02	1.4E-02 ± 1.5E-02	8.8E-03 ± 2.4E-02
2003	1.6E-02 ± 2.1E-01	1.5E+00 ± 1.0E+01	2.7E-01 ± 2.0E+00	1.0E-02 ± 9.7E-03	8.4E-03 ± 9.0E-03	2.7E-03 ± 7.9E-03

300/400 Areas

Year	^{60}Co	^{90}Sr	^{137}Cs	^{234}U	^{238}U	^{239,240}Pu
1995	4.0E-02 ± 3.0E-02	5.1E-02 ± 2.4E-02	Not Detected	5.6E-02 ± 4.1E-02	5.6E-02 ± 4.1E-02	3.5E-04 ± 1.9E-04
1996	7.1E-03 ± 2.0E-02	6.3E-02 ± 2.5E-02	1.6E-02 ± 1.6E-02	4.9E-02 ± 3.9E-02	4.7E-02 ± 3.8E-02	3.8E-04 ± 1.9E-04
1997	Not Detected	6.6E-01 ± 3.9E-01	Not Detected	6.9E-02 ± 4.8E-02	6.2E-02 ± 4.5E-02	4.4E-04 ± 2.9E-04
1998	Not Detected	1.0E-01 ± 6.0E-02	Not Detected	4.6E-02 ± 3.3E-02	4.4E-02 ± 3.6E-02	8.4E-03 ± 4.5E-03
1999	Not Detected	4.5E-01 ± 7.0E-02	Not Detected	9.4E-02 ± 5.3E-02	8.9E-01 ± 5.9E-02	7.1E-03 ± 3.2E-03
2000	Not Detected	2.1E-01 ± 3.0E-02	Not Detected	1.8E-02 ± 1.9E-02	1.7E-02 ± 1.9E-02	9.1E-03 ± 2.4E-03
2001	Not Detected	2.6E-01 ± 1.1E-01	Not Detected	9.8E-02 ± 8.0E-02	1.1E-01 ± 8.8E-02	5.8E-03 ± 1.5E-03
2002	Not Detected	2.1E-01 ± 4.7E-01	1.1E-02 ± 7.9E-02	3.2E-02 ± 5.5E-02	2.9E-02 ± 5.8E-02	-3.6E-04 ± 7.2E-04
2003	5.0E-03 ± 3.8E-02	-8.2E-02 ± 2.0E-01	-9.4E-03 ± 4.4E-02	4.3E-02 ± 1.1E-01	3.6E-02 ± 1.9E-01	1.7E-03 ± 1.7E-02

[a] ± 2 standard deviations

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty).

Location	Isotope	Result	±	Error	RQ*
Y708	^{144}Ce	8.1E-02	±	5.6E-01	U
(100-N)	^{60}Co	1.7E-01	±	6.4E-02	
	^{134}Cs	4.0E-02	±	4.6E-02	U
	^{137}Cs	5.1E-01	±	1.3E-01	
	^{152}Eu	-1.2E-01	±	1.3E-01	U
	^{154}Eu	-8.3E-02	±	1.4E-01	U
	^{155}Eu	-7.6E-02	±	1.4E-01	U
	^{238}Pu	3.0E-03	±	1.5E-02	U
	^{239,240}Pu	4.0E-03	±	6.4E-03	U
	^{103}Ru	-2.4E-02	±	3.9E-02	U
	^{106}Ru	-3.1E-01	±	3.9E-01	U
	^{125}Sb	-1.6E-02	±	1.1E-01	U
	^{113}Sn	-6.8E-03	±	4.9E-02	U
	^{90}Sr	5.1E-03	±	5.1E-02	U
	^{234}U	5.7E-03	±	5.1E-03	U
	^{235}U	8.9E-04	±	3.1E-03	U
	^{238}U	4.1E-03	±	4.5E-03	U
	^{65}Zn	-1.9E-01	±	1.9E-01	U
Y719	^{144}Ce	4.9E-01	±	5.3E-01	U
(N Springs	^{60}Co	2.5E-02	±	4.6E-02	U
Shoreline)	^{134}Cs	8.0E-03	±	5.1E-02	U
	^{137}Cs	4.2E-02	±	4.3E-02	U
	^{152}Eu	-7.6E-03	±	7.6E-02	U
	^{154}Eu	-9.6E-02	±	1.4E-01	U
	^{155}Eu	7.5E-02	±	1.5E-01	U
	^{238}Pu	9.4E-04	±	9.4E-03	U
	^{239,240}Pu	-1.9E-03	±	3.8E-03	U
	^{103}Ru	-1.7E-02	±	3.8E-02	U
	^{106}Ru	2.2E-01	±	3.9E-01	U
	^{125}Sb	-7.8E-02	±	1.0E-01	U
	^{113}Sn	1.9E-02	±	5.1E-02	U
	^{90}Sr	5.3E+01	±	7.9E+00	
	^{234}U	5.9E-03	±	5.3E-03	U
	^{235}U	2.8E-03	±	4.2E-03	U
	^{238}U	5.9E-03	±	4.7E-03	
	^{65}Zn	8.5E-02	±	1.1E-01	U

Location	Isotope	Result	±	Error	RQ*
Y718	^{144}Ce	-1.5E-01	±	4.8E-01	U
(N Springs	^{60}Co	2.3E-02	±	4.3E-02	U
Shoreline)	^{134}Cs	1.2E-02	±	4.4E-02	U
	^{137}Cs	-2.0E-02	±	4.2E-02	U
	^{152}Eu	-8.6E-02	±	1.4E-01	U
	^{154}Eu	-9.3E-02	±	1.4E-01	U
	^{155}Eu	-3.5E-02	±	1.5E-01	U
	^{238}Pu	-1.9E-03	±	7.6E-03	U
	^{239,240}Pu	9.5E-04	±	3.3E-03	U
	^{103}Ru	4.2E-03	±	3.7E-02	U
	^{106}Ru	1.7E-01	±	4.6E-01	U
	^{125}Sb	3.6E-03	±	3.6E-02	U
	^{113}Sn	7.0E-03	±	4.7E-02	U
	^{90}Sr	1.7E+00	±	3.4E-01	
	^{234}U	7.2E-03	±	5.1E-03	
	^{235}U	2.6E-03	±	4.7E-03	U
	^{238}U	2.4E-03	±	4.3E-03	U
	^{65}Zn	1.4E-01	±	1.2E-01	U
Y724	^{144}Ce	1.9E-01	±	6.3E-01	U
(N Springs	^{60}Co	4.4E-02	±	4.6E-02	U
Shoreline)	^{134}Cs	1.8E-03	±	1.8E-02	U
	^{137}Cs	4.9E-02	±	4.8E-02	U
	^{152}Eu	3.6E-02	±	2.5E-01	U
	^{154}Eu	7.5E-03	±	7.5E-02	U
	^{155}Eu	-8.3E-02	±	1.7E-01	U
	^{238}Pu	9.0E-03	±	1.6E-02	U
	^{239,240}Pu	-4.0E-03	±	4.0E-03	U
	^{103}Ru	2.3E-02	±	4.3E-02	U
	^{106}Ru	-1.8E-01	±	4.2E-01	U
	^{125}Sb	2.9E-02	±	1.2E-01	U
	^{113}Sn	3.4E-02	±	5.5E-02	U
	^{90}Sr	2.4E-01	±	1.2E-01	
	^{234}U	8.3E-03	±	5.6E-03	
	^{235}U	2.7E-03	±	3.2E-03	
	^{238}U	5.8E-03	±	4.6E-03	
	^{65}Zn	1.3E-01	±	1.1E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V001	^{144}Ce	-5.6E-01	±	8.5E-01	U
(200 West)	^{60}Co	-2.3E-03	±	2.3E-02	U
	^{134}Cs	-5.8E-03	±	5.8E-02	U
	^{137}Cs	1.3E-01	±	7.0E-02	
	^{152}Eu	-1.0E-01	±	2.2E-01	U
	^{154}Eu	-2.8E-01	±	2.8E-01	U
	^{155}Eu	1.3E-02	±	1.3E-01	U
	^{238}Pu	1.9E-03	±	1.4E-02	U
	^{239,240}Pu	-9.4E-04	±	4.2E-03	U
	^{103}Ru	-1.3E-02	±	6.1E-02	U
	^{106}Ru	1.6E-01	±	5.5E-01	U
	^{125}Sb	7.3E-02	±	1.6E-01	U
	^{113}Sn	1.0E-02	±	7.2E-02	U
	^{90}Sr	2.2E+00	±	4.6E-01	
	^{234}U	2.0E-02	±	1.1E-02	
	^{235}U	1.1E-03	±	2.2E-03	U
	^{238}U	1.0E-02	±	6.6E-03	
	^{65}Zn	-2.2E-01	±	2.2E-01	U
V007	^{144}Ce	-2.0E-01	±	3.8E-01	U
(200 West)	^{60}Co	-6.6E-03	±	2.9E-02	U
	^{134}Cs	1.5E-02	±	2.9E-02	U
	^{137}Cs	2.4E-02	±	2.8E-02	U
	^{152}Eu	8.7E-02	±	8.5E-02	U
	^{154}Eu	-7.3E-02	±	8.9E-02	U
	^{155}Eu	-2.5E-02	±	9.6E-02	U
	^{238}Pu	1.3E-02	±	1.2E-02	U
	^{239,240}Pu	3.5E-03	±	4.9E-03	U
	^{103}Ru	-4.3E-03	±	2.6E-02	U
	^{106}Ru	5.8E-02	±	2.4E-01	U
	^{125}Sb	4.3E-02	±	8.2E-02	U
	^{113}Sn	-5.2E-03	±	3.5E-02	U
	^{90}Sr	-8.6E-02	±	8.6E-02	U
	^{234}U	6.4E-03	±	8.3E-03	U
	^{235}U	3.0E-03	±	3.6E-03	
	^{238}U	1.0E-02	±	6.8E-03	
	^{65}Zn	-2.9E-01	±	2.9E-01	U

Location	Isotope	Result	±	Error	RQ*
V003	^{144}Ce	-1.0E-01	±	7.3E-01	U
(200 West)	^{60}Co	-1.4E-02	±	6.2E-02	U
	^{134}Cs	3.4E-02	±	5.8E-02	U
	^{137}Cs	1.3E+00	±	2.6E-01	
	^{152}Eu	-5.4E-02	±	1.6E-01	U
	^{154}Eu	1.6E-01	±	2.1E-01	U
	^{155}Eu	1.1E-01	±	2.0E-01	U
	^{238}Pu	-9.7E-03	±	1.4E-02	U
	^{239,240}Pu	2.9E-03	±	6.4E-03	U
	^{103}Ru	1.5E-02	±	5.1E-02	U
	^{106}Ru	-1.7E-01	±	5.0E-01	U
	^{125}Sb	7.8E-02	±	1.4E-01	U
	^{113}Sn	-2.7E-03	±	2.7E-02	U
	^{90}Sr	2.5E+01	±	3.8E+00	
	^{234}U	1.7E-02	±	1.0E-02	
	^{235}U	4.4E-03	±	6.6E-03	U
	^{238}U	1.5E-02	±	9.4E-03	
	^{65}Zn	1.6E-01	±	1.6E-01	U
V009	^{144}Ce	-1.9E-01	±	4.9E-01	U
(200 West)	^{60}Co	1.6E-02	±	4.4E-02	U
	^{134}Cs	3.2E-03	±	3.2E-02	U
	^{137}Cs	5.3E-03	±	4.5E-02	U
	^{152}Eu	-2.5E-02	±	1.1E-01	U
	^{154}Eu	-7.7E-02	±	1.4E-01	U
	^{155}Eu	-5.1E-02	±	1.3E-01	U
	^{238}Pu	3.7E-03	±	1.6E-02	U
	^{239,240}Pu	6.5E-03	±	6.3E-03	U
	^{103}Ru	1.3E-02	±	4.0E-02	U
	^{106}Ru	6.3E-02	±	3.9E-01	U
	^{125}Sb	3.4E-02	±	1.1E-01	U
	^{113}Sn	-2.9E-03	±	2.9E-02	U
	^{90}Sr	-7.2E-02	±	7.9E-02	U
	^{234}U	1.6E-02	±	8.8E-03	
	^{235}U	4.7E-03	±	4.3E-03	
	^{238}U	9.5E-03	±	6.0E-03	
	^{65}Zn	-2.0E-02	±	1.0E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V011	^{144}Ce	2.2E-01	±	3.3E-01	U
(200 West)	^{60}Co	-5.5E-03	±	3.4E-02	U
	^{134}Cs	3.1E-02	±	3.3E-02	U
	^{137}Cs	2.1E-02	±	3.0E-02	U
	^{152}Eu	-3.2E-02	±	8.5E-02	U
	^{154}Eu	1.6E-02	±	1.0E-01	U
	^{155}Eu	-8.2E-02	±	9.0E-02	U
	^{238}Pu	1.2E-02	±	1.7E-02	U
	^{239,240}Pu	4.2E-03	±	7.1E-03	U
	^{103}Ru	7.4E-03	±	2.8E-02	U
	^{106}Ru	-1.5E-01	±	2.9E-01	U
	^{125}Sb	6.6E-02	±	7.1E-02	U
	^{113}Sn	-1.5E-02	±	3.6E-02	U
	^{90}Sr	-2.3E-02	±	9.7E-02	U
	^{234}U	1.1E-02	±	8.0E-03	
	^{235}U	5.6E-03	±	5.4E-03	U
	^{238}U	1.1E-02	±	6.8E-03	
	^{65}Zn	-2.9E-02	±	8.2E-02	U
V017	^{144}Ce	5.7E-02	±	3.5E-01	U
(200 West)	^{60}Co	-6.1E-03	±	2.6E-02	U
	^{134}Cs	-5.6E-03	±	2.4E-02	U
	^{137}Cs	8.0E-02	±	4.4E-02	
	^{152}Eu	-1.3E-02	±	7.9E-02	U
	^{154}Eu	6.2E-03	±	6.2E-02	U
	^{155}Eu	-2.1E-02	±	9.0E-02	U
	^{238}Pu	-1.8E-03	±	1.4E-02	U
	^{239,240}Pu	2.6E-03	±	3.9E-03	U
	^{103}Ru	-1.6E-03	±	1.6E-02	U
	^{106}Ru	8.6E-02	±	2.3E-01	U
	^{125}Sb	-3.7E-03	±	3.7E-02	U
	^{113}Sn	-1.5E-02	±	3.2E-02	U
	^{90}Sr	-1.2E-01	±	1.2E-01	U
	^{234}U	3.6E-03	±	5.8E-03	U
	^{235}U	2.0E-03	±	2.8E-03	U
	^{238}U	8.9E-03	±	6.4E-03	
	^{65}Zn	-1.3E-01	±	1.3E-01	U

Location	Isotope	Result	±	Error	RQ*
V015	^{144}Ce	-7.1E-02	±	5.6E-01	U
(200 West)	^{60}Co	-1.5E-04	±	1.5E-03	U
	^{134}Cs	-3.9E-02	±	4.3E-02	U
	^{137}Cs	7.1E-02	±	6.4E-02	
	^{152}Eu	-1.8E-01	±	1.8E-01	U
	^{154}Eu	7.8E-02	±	1.4E-01	U
	^{155}Eu	-6.8E-02	±	1.6E-01	U
	^{238}Pu	1.2E-02	±	1.4E-02	U
	^{239,240}Pu	5.8E-03	±	6.4E-03	U
	^{103}Ru	-4.1E-03	±	3.8E-02	U
	^{106}Ru	-1.9E-01	±	3.5E-01	U
	^{125}Sb	1.4E-02	±	1.0E-01	U
	^{113}Sn	-7.9E-03	±	4.7E-02	U
	^{90}Sr	4.9E-01	±	1.5E-01	
	^{234}U	7.6E-03	±	6.2E-03	
	^{235}U	1.0E-03	±	2.0E-03	U
	^{238}U	7.6E-03	±	6.8E-03	U
	^{65}Zn	-8.1E-02	±	9.9E-02	U
V019	^{144}Ce	1.5E-01	±	4.2E-01	U
(200 West)	^{60}Co	2.7E-02	±	3.9E-02	U
	^{134}Cs	8.5E-03	±	3.9E-02	U
	^{137}Cs	3.5E-02	±	3.7E-02	U
	^{152}Eu	-3.3E-02	±	9.9E-02	U
	^{154}Eu	4.9E-02	±	1.2E-01	U
	^{155}Eu	8.3E-02	±	1.1E-01	U
	^{238}Pu	-9.0E-04	±	9.0E-03	U
	^{239,240}Pu	9.0E-04	±	4.0E-03	U
	^{103}Ru	-1.9E-02	±	3.3E-02	U
	^{106}Ru	-2.1E-01	±	3.6E-01	U
	^{125}Sb	-4.8E-02	±	9.4E-02	U
	^{113}Sn	-2.9E-02	±	4.1E-02	U
	^{90}Sr	-1.0E-01	±	1.0E-01	U
	^{234}U	4.7E-03	±	4.3E-03	
	^{235}U	3.1E-03	±	3.7E-03	
	^{238}U	2.8E-03	±	4.2E-03	U
	^{65}Zn	-2.4E-02	±	8.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V021	^{144}Ce	3.4E-01	±	5.1E-01	U
	^{60}Co	4.6E-02	±	5.8E-02	U
	^{134}Cs	-2.3E-02	±	5.0E-02	U
	^{137}Cs	1.2E-02	±	4.8E-02	U
	^{152}Eu	-8.9E-03	±	8.9E-02	U
	^{154}Eu	-3.1E-02	±	1.9E-01	U
	^{155}Eu	1.9E-02	±	1.4E-01	U
	^{238}Pu	1.9E-03	±	4.7E-03	U
	^{239,240}Pu	2.8E-03	±	3.4E-03	
	^{103}Ru	-2.3E-02	±	4.2E-02	U
	^{106}Ru	-2.5E-01	±	4.2E-01	U
	^{125}Sb	-1.7E-02	±	1.1E-01	U
	^{113}Sn	-1.8E-02	±	5.1E-02	U
	^{90}Sr	8.3E-01	±	1.7E-01	
	^{234}U	1.4E-02	±	8.4E-03	
	^{235}U	9.8E-04	±	9.8E-03	U
	^{238}U	5.9E-03	±	6.5E-03	U
	^{65}Zn	1.2E-01	±	1.3E-01	U
V025	^{144}Ce	-9.6E-02	±	4.3E-01	U
(200 West)	^{60}Co	-3.5E-03	±	3.5E-02	U
	^{134}Cs	-1.7E-02	±	3.2E-02	U
	^{137}Cs	1.1E-01	±	5.2E-02	
	^{152}Eu	2.2E-02	±	9.3E-02	U
	^{154}Eu	-1.3E-01	±	1.3E-01	U
	^{155}Eu	-2.9E-02	±	1.1E-01	U
	^{238}Pu	-9.9E-04	±	9.9E-03	U
	^{239,240}Pu	9.9E-04	±	6.5E-03	U
	^{103}Ru	-1.7E-02	±	3.5E-02	U
	^{106}Ru	4.7E-02	±	3.0E-01	U
	^{125}Sb	-2.0E-02	±	8.3E-02	U
	^{113}Sn	-3.1E-02	±	3.9E-02	U
	^{90}Sr	-6.4E-02	±	7.7E-02	U
	^{234}U	1.2E-02	±	7.0E-03	
	^{235}U	3.6E-03	±	3.6E-03	
	^{238}U	2.4E-03	±	4.3E-03	U
	^{65}Zn	-2.2E-02	±	8.9E-02	U

Location	Isotope	Result	±	Error	RQ*
V023	^{144}Ce	7.1E-02	±	4.9E-01	U
	^{60}Co	1.2E-02	±	3.6E-02	U
	^{134}Cs	-4.3E-02	±	4.3E-02	U
	^{137}Cs	5.7E-02	±	5.8E-02	U
	^{152}Eu	-1.2E-01	±	1.2E-01	U
	^{154}Eu	-4.1E-02	±	1.2E-01	U
	^{155}Eu	-5.9E-02	±	1.4E-01	U
	^{238}Pu	-2.7E-03	±	7.8E-03	U
	^{239,240}Pu	9.0E-04	±	1.8E-03	U
	^{103}Ru	1.2E-02	±	3.5E-02	U
	^{106}Ru	2.8E-01	±	3.2E-01	U
	^{125}Sb	-1.5E-02	±	9.4E-02	U
	^{113}Sn	-7.5E-03	±	4.3E-02	U
	^{90}Sr	9.3E-02	±	8.4E-02	U
	^{234}U	8.5E-03	±	7.0E-03	U
	^{235}U	-9.2E-04	±	1.8E-03	U
	^{238}U	8.5E-03	±	5.6E-03	
	^{65}Zn	-4.7E-02	±	9.0E-02	U
V027	^{144}Ce	2.0E-02	±	2.0E-01	U
(200 West)	^{60}Co	2.7E-03	±	2.7E-02	U
	^{134}Cs	-1.1E-02	±	2.7E-02	U
	^{137}Cs	2.3E-02	±	2.9E-02	U
	^{152}Eu	-4.9E-02	±	8.3E-02	U
	^{154}Eu	9.3E-04	±	9.3E-03	U
	^{155}Eu	5.3E-02	±	9.0E-02	U
	^{238}Pu	7.7E-03	±	1.4E-02	U
	^{239,240}Pu	1.7E-03	±	4.2E-03	U
	^{103}Ru	4.2E-03	±	2.5E-02	U
	^{106}Ru	7.0E-02	±	2.4E-01	U
	^{125}Sb	-2.8E-03	±	2.8E-02	U
	^{113}Sn	1.6E-02	±	3.4E-02	U
	^{90}Sr	-1.4E-02	±	8.9E-02	U
	^{234}U	9.0E-03	±	7.4E-03	U
	^{235}U	8.9E-04	±	8.9E-03	U
	^{238}U	1.5E-02	±	8.2E-03	
	^{65}Zn	-2.0E-01	±	2.0E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V029	^{144}Ce	-6.6E-03	±	6.6E-02	U
(200 West)	^{60}Co	-2.3E-02	±	2.8E-02	U
	^{134}Cs	2.2E-02	±	2.8E-02	U
	^{137}Cs	5.0E-02	±	3.6E-02	U
	^{152}Eu	-7.6E-02	±	8.4E-02	U
	^{154}Eu	-2.7E-02	±	8.5E-02	U
	^{155}Eu	3.8E-02	±	9.5E-02	U
	^{238}Pu	-1.4E-02	±	1.7E-02	U
	^{239,240}Pu	6.0E-03	±	5.8E-03	U
	^{103}Ru	-3.1E-02	±	3.1E-02	U
	^{106}Ru	2.2E-01	±	2.5E-01	U
	^{125}Sb	-5.9E-02	±	7.6E-02	U
	^{113}Sn	-1.1E-02	±	3.6E-02	U
	^{90}Sr	-1.8E-01	±	1.8E-01	U
	^{234}U	6.4E-03	±	5.0E-03	
	^{235}U	3.0E-03	±	4.5E-03	U
	^{238}U	7.3E-03	±	5.3E-03	
	^{65}Zn	4.1E-02	±	6.7E-02	U
V033	^{144}Ce	1.3E+00	±	1.4E+00	U
(200 West)	^{60}Co	-2.0E-02	±	1.0E-01	U
	^{134}Cs	1.1E-02	±	1.0E-01	U
	^{137}Cs	3.3E+00	±	6.1E-01	
	^{152}Eu	-1.4E-02	±	1.4E-01	U
	^{154}Eu	-8.5E-02	±	3.1E-01	U
	^{155}Eu	-1.3E-04	±	1.3E-03	U
	^{238}Pu	9.4E-04	±	9.4E-03	U
	^{239,240}Pu	3.8E-03	±	5.3E-03	U
	^{103}Ru	4.8E-02	±	1.0E-01	U
	^{106}Ru	4.0E-01	±	8.5E-01	U
	^{125}Sb	-9.7E-02	±	2.6E-01	U
	^{113}Sn	6.1E-03	±	6.1E-02	U
	^{90}Sr	2.4E+01	±	3.0E+00	
	^{234}U	2.0E-02	±	1.1E-02	
	^{235}U	1.1E-03	±	2.2E-03	U
	^{238}U	1.3E-02	±	7.9E-03	
	^{65}Zn	-1.3E-01	±	2.3E-01	U

Location	Isotope	Result	±	Error	RQ*
V031	^{144}Ce	-1.5E-01	±	3.9E-01	U
(200 West)	^{60}Co	-4.3E-03	±	2.9E-02	U
	^{134}Cs	7.0E-03	±	3.3E-02	U
	^{137}Cs	8.8E-02	±	4.4E-02	
	^{152}Eu	-3.7E-02	±	8.9E-02	U
	^{154}Eu	2.7E-02	±	9.8E-02	U
	^{155}Eu	2.0E-02	±	1.1E-01	U
	^{238}Pu	-1.1E-03	±	1.1E-02	U
	^{239,240}Pu	1.1E-03	±	1.1E-03	U
	^{103}Ru	-1.9E-02	±	3.0E-02	U
	^{106}Ru	5.2E-03	±	5.2E-02	U
	^{125}Sb	-4.9E-02	±	8.0E-02	U
	^{113}Sn	3.5E-03	±	3.5E-02	U
	^{90}Sr	2.1E-01	±	1.0E-01	
	^{234}U	9.3E-03	±	6.1E-03	
	^{235}U	4.1E-03	±	4.9E-03	U
	^{238}U	1.0E-02	±	6.3E-03	
	^{65}Zn	-1.1E-02	±	7.7E-02	U
V035	^{144}Ce	3.0E-02	±	3.0E-01	U
(200 West)	^{60}Co	2.4E-02	±	3.0E-02	U
	^{134}Cs	-3.4E-03	±	3.4E-02	U
	^{137}Cs	1.0E-01	±	5.1E-02	
	^{152}Eu	3.2E-03	±	3.2E-02	U
	^{154}Eu	4.9E-02	±	9.6E-02	U
	^{155}Eu	4.7E-02	±	1.0E-01	U
	^{238}Pu	1.0E-03	±	1.0E-03	U
	^{239,240}Pu	2.0E-03	±	2.8E-03	U
	^{103}Ru	8.4E-03	±	3.1E-02	U
	^{106}Ru	-7.9E-02	±	2.7E-01	U
	^{125}Sb	5.5E-02	±	7.8E-02	U
	^{113}Sn	-4.2E-03	±	3.8E-02	U
	^{90}Sr	5.5E-02	±	1.3E-01	U
	^{234}U	7.8E-03	±	6.5E-03	
	^{235}U	2.1E-03	±	2.9E-03	U
	^{238}U	1.2E-02	±	8.0E-03	
	^{65}Zn	-1.2E-01	±	1.2E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V039	^{144}Ce	1.4E-02	±	1.4E-01	U
(200 West)	^{60}Co	1.9E-02	±	2.5E-02	U
	^{134}Cs	-6.6E-03	±	2.6E-02	U
	^{137}Cs	1.5E-02	±	2.6E-02	U
	^{152}Eu	-1.4E-03	±	1.4E-02	U
	^{154}Eu	1.3E-02	±	8.0E-02	U
	^{155}Eu	3.1E-02	±	8.5E-02	U
	^{238}Pu	1.0E-03	±	1.0E-03	U
	^{239,240}Pu	6.2E-03	±	5.3E-03	
	^{103}Ru	1.3E-02	±	2.6E-02	U
	^{106}Ru	1.5E-01	±	2.3E-01	U
	^{125}Sb	-6.2E-03	±	6.2E-02	U
	^{113}Sn	-5.7E-04	±	5.7E-03	U
	^{90}Sr	9.3E-02	±	1.1E-01	U
	^{234}U	9.3E-04	±	1.9E-03	U
	^{235}U	2.0E-03	±	2.8E-03	U
	^{238}U	4.6E-03	±	4.3E-03	
	^{65}Zn	-1.6E-01	±	1.6E-01	U
V043	^{144}Ce	6.7E-02	±	5.1E-01	U
(200 West)	^{60}Co	-1.7E-02	±	4.3E-02	U
	^{134}Cs	-2.0E-02	±	4.2E-02	U
	^{137}Cs	4.2E-02	±	4.4E-02	U
	^{152}Eu	7.1E-02	±	1.1E-01	U
	^{154}Eu	-2.3E-02	±	1.2E-01	U
	^{155}Eu	-7.6E-02	±	1.4E-01	U
	^{238}Pu	3.5E-03	±	1.3E-02	U
	^{239,240}Pu	1.8E-03	±	4.5E-03	U
	^{103}Ru	-1.2E-02	±	4.0E-02	U
	^{106}Ru	-2.2E-03	±	2.2E-02	U
	^{125}Sb	-2.5E-02	±	1.0E-01	U
	^{113}Sn	-3.0E-02	±	4.8E-02	U
	^{90}Sr	-2.1E-01	±	2.1E-01	U
	^{234}U	1.6E-02	±	9.0E-03	
	^{235}U	4.7E-03	±	4.4E-03	
	^{238}U	1.4E-02	±	7.8E-03	
	^{65}Zn	9.6E-02	±	9.8E-02	U

Location	Isotope	Result	±	Error	RQ*
V041	^{144}Ce	6.8E-02	±	4.3E-01	U
(200 West)	^{60}Co	-2.2E-02	±	3.4E-02	U
	^{134}Cs	1.4E-02	±	3.4E-02	U
	^{137}Cs	6.5E-02	±	3.6E-02	
	^{152}Eu	-4.9E-02	±	9.9E-02	U
	^{154}Eu	2.7E-02	±	1.0E-01	U
	^{155}Eu	-1.9E-03	±	1.9E-02	U
	^{238}Pu	2.8E-03	±	1.4E-02	U
	^{239,240}Pu	-3.6E-03	±	4.3E-03	U
	^{103}Ru	2.3E-02	±	3.4E-02	U
	^{106}Ru	1.0E-01	±	3.0E-01	U
	^{125}Sb	-7.3E-02	±	8.4E-02	U
	^{113}Sn	9.5E-03	±	4.0E-02	U
	^{90}Sr	5.8E-02	±	1.3E-01	U
	^{234}U	9.7E-03	±	6.3E-03	
	^{235}U	3.9E-03	±	3.9E-03	
	^{238}U	8.0E-03	±	6.2E-03	
	^{65}Zn	2.0E-02	±	8.5E-02	U
V045	^{144}Ce	-2.8E+00	±	2.8E+01	U
(200 West)	^{60}Co	7.2E-01	±	3.1E+00	U
	^{134}Cs	1.1E+00	±	3.2E+00	U
	^{137}Cs	6.0E+00	±	4.3E+00	
	^{152}Eu	-6.3E+00	±	7.7E+00	U
	^{154}Eu	3.8E-01	±	3.8E+00	U
	^{155}Eu	-3.4E-01	±	3.4E+00	U
	^{238}Pu	-6.9E-03	±	1.5E-02	U
	^{239,240}Pu	6.0E-03	±	5.3E-03	U
	^{103}Ru	1.3E-01	±	1.3E+00	U
	^{106}Ru	3.0E+00	±	3.0E+01	U
	^{125}Sb	-3.8E+00	±	7.5E+00	U
	^{113}Sn	-8.8E-01	±	3.7E+00	U
	^{90}Sr	-4.5E-02	±	1.2E-01	U
	^{234}U	2.0E-02	±	9.4E-03	
	^{235}U	2.7E-03	±	3.2E-03	
	^{238}U	9.8E-03	±	6.6E-03	
	^{65}Zn	-1.2E+01	±	1.2E+01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V047	^{144}Ce	-1.3E-01	±	6.8E-01	U
(200 West)	^{60}Co	5.2E-02	±	5.0E-02	U
	^{134}Cs	2.1E-03	±	2.1E-02	U
	^{137}Cs	1.3E-01	±	5.6E-02	
	^{152}Eu	-8.9E-02	±	1.5E-01	U
	^{154}Eu	8.0E-02	±	1.4E-01	U
	^{155}Eu	-2.5E-02	±	1.9E-01	U
	^{238}Pu	-8.6E-04	±	8.6E-03	U
	^{239,240}Pu	8.6E-04	±	4.6E-03	U
	^{103}Ru	-4.7E-03	±	4.7E-02	U
	^{106}Ru	-2.9E-01	±	4.5E-01	U
	^{125}Sb	4.3E-02	±	1.3E-01	U
	^{113}Sn	-1.2E-02	±	6.3E-02	U
	^{90}Sr	2.4E-01	±	1.5E-01	
	^{234}U	2.2E-02	±	1.0E-02	
	^{235}U	4.6E-03	±	4.3E-03	
	^{238}U	1.8E-02	±	9.4E-03	
	^{65}Zn	-1.5E-01	±	1.5E-01	U
V051	^{144}Ce	-2.9E-01	±	3.8E-01	U
(200 West)	^{60}Co	-1.5E-02	±	2.8E-02	U
	^{134}Cs	-5.2E-03	±	2.9E-02	U
	^{137}Cs	3.2E-02	±	3.0E-02	U
	^{152}Eu	-3.9E-02	±	8.2E-02	U
	^{154}Eu	-4.6E-02	±	8.7E-02	U
	^{155}Eu	5.6E-02	±	9.4E-02	U
	^{238}Pu	-3.5E-03	±	4.9E-03	U
	^{239,240}Pu	8.8E-04	±	4.0E-03	U
	^{103}Ru	-1.3E-02	±	2.9E-02	U
	^{106}Ru	-2.0E-02	±	2.0E-01	U
	^{125}Sb	5.6E-02	±	7.7E-02	U
	^{113}Sn	2.3E-02	±	3.7E-02	U
	^{90}Sr	9.9E-03	±	9.9E-02	U
	^{234}U	1.5E-02	±	8.4E-03	
	^{235}U	7.3E-03	±	5.5E-03	
	^{238}U	1.8E-02	±	9.0E-03	
	^{65}Zn	-1.4E-01	±	1.4E-01	U

Location	Isotope	Result	±	Error	RQ*
V049	^{144}Ce	-4.6E-01	±	6.9E-01	U
(200 West)	^{60}Co	-1.8E-03	±	1.8E-02	U
	^{134}Cs	5.9E-03	±	5.2E-02	U
	^{137}Cs	-3.0E-02	±	5.3E-02	U
	^{152}Eu	-5.5E-03	±	5.5E-02	U
	^{154}Eu	3.7E-02	±	1.4E-01	U
	^{155}Eu	-4.1E-02	±	1.7E-01	U
	^{238}Pu	-2.0E-03	±	1.7E-02	U
	^{239,240}Pu	5.0E-03	±	6.0E-03	U
	^{103}Ru	-5.6E-02	±	5.6E-02	U
	^{106}Ru	6.9E-02	±	4.7E-01	U
	^{125}Sb	-4.7E-02	±	1.4E-01	U
	^{113}Sn	1.3E-02	±	6.8E-02	U
	^{90}Sr	-1.3E-01	±	1.3E-01	U
	^{234}U	1.4E-02	±	9.2E-03	
	^{235}U	7.2E-03	±	5.8E-03	
	^{238}U	1.0E-02	±	7.0E-03	
	^{65}Zn	-3.9E-01	±	3.9E-01	U
V053	^{144}Ce	1.4E-02	±	1.4E-01	U
(200 East)	^{60}Co	2.3E-02	±	3.4E-02	U
	^{134}Cs	8.8E-03	±	3.5E-02	U
	^{137}Cs	-1.1E-02	±	3.5E-02	U
	^{152}Eu	-4.1E-02	±	8.5E-02	U
	^{154}Eu	-1.4E-01	±	1.4E-01	U
	^{155}Eu	2.1E-02	±	1.1E-01	U
	^{238}Pu	-9.4E-04	±	8.2E-03	U
	^{239,240}Pu	9.4E-04	±	9.4E-03	U
	^{103}Ru	2.8E-02	±	3.4E-02	U
	^{106}Ru	9.0E-02	±	2.9E-01	U
	^{125}Sb	-9.8E-03	±	8.1E-02	U
	^{113}Sn	-1.0E-02	±	3.8E-02	U
	^{90}Sr	-7.6E-02	±	1.1E-01	U
	^{234}U	8.2E-03	±	6.1E-03	
	^{235}U	2.7E-03	±	4.1E-03	U
	^{238}U	7.4E-03	±	5.8E-03	
	^{65}Zn	-4.4E-02	±	7.9E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V055	^{144}Ce	1.0E-01	±	3.6E-01	U
(200 East)	^{60}Co	-1.1E-02	±	2.8E-02	U
	^{134}Cs	-1.7E-02	±	2.8E-02	U
	^{137}Cs	8.5E-02	±	6.0E-02	
	^{152}Eu	-1.6E-02	±	8.3E-02	U
	^{154}Eu	-6.8E-02	±	8.4E-02	U
	^{155}Eu	-1.8E-02	±	8.9E-02	U
	^{238}Pu	4.8E-03	±	1.5E-02	U
	^{239,240}Pu	9.6E-04	±	5.8E-03	U
	^{103}Ru	-9.1E-03	±	2.6E-02	U
	^{106}Ru	2.5E-02	±	2.4E-01	U
	^{125}Sb	2.2E-02	±	7.2E-02	U
	^{113}Sn	-1.2E-03	±	1.2E-02	U
	^{90}Sr	1.8E-01	±	1.3E-01	
	^{234}U	1.0E-02	±	7.5E-03	
	^{235}U	5.1E-03	±	5.6E-03	U
	^{238}U	1.0E-02	±	6.6E-03	
	^{65}Zn	-1.1E-01	±	1.1E-01	U
V059	^{144}Ce	-1.3E-01	±	4.4E-01	U
(200 East)	^{60}Co	9.7E-03	±	3.2E-02	U
	^{134}Cs	1.2E-02	±	3.5E-02	U
	^{137}Cs	1.2E-01	±	6.0E-02	
	^{152}Eu	-1.6E-02	±	9.9E-02	U
	^{154}Eu	-8.6E-04	±	8.6E-03	U
	^{155}Eu	-4.5E-02	±	1.1E-01	U
	^{238}Pu	-8.6E-03	±	1.7E-02	U
	^{239,240}Pu	2.2E-03	±	3.1E-03	U
	^{103}Ru	2.3E-03	±	2.3E-02	U
	^{106}Ru	-3.4E-01	±	3.4E-01	U
	^{125}Sb	4.3E-02	±	8.8E-02	U
	^{113}Sn	-4.4E-02	±	4.4E-02	U
	^{90}Sr	7.1E-02	±	1.2E-01	U
	^{234}U	6.5E-03	±	6.4E-03	U
	^{235}U	2.0E-03	±	5.6E-03	U
	^{238}U	9.3E-04	±	9.3E-04	U
	^{65}Zn	-8.1E-02	±	8.1E-02	U

Location	Isotope	Result	±	Error	RQ*
V057	^{144}Ce	9.3E-02	±	3.2E-01	U
(200 East)	^{60}Co	-4.1E-02	±	4.1E-02	U
	^{134}Cs	-3.6E-03	±	3.6E-02	U
	^{137}Cs	3.4E-02	±	3.7E-02	U
	^{152}Eu	8.2E-03	±	8.0E-02	U
	^{154}Eu	-3.8E-02	±	1.0E-01	U
	^{155}Eu	3.6E-02	±	9.0E-02	U
	^{238}Pu	1.4E-02	±	1.4E-02	U
	^{239,240}Pu	9.2E-04	±	9.2E-03	U
	^{103}Ru	4.9E-04	±	4.9E-03	U
	^{106}Ru	-2.0E-02	±	2.0E-01	U
	^{125}Sb	-1.1E-02	±	7.3E-02	U
	^{113}Sn	-1.6E-02	±	3.5E-02	U
	^{90}Sr	1.7E-01	±	1.4E-01	
	^{234}U	1.2E-02	±	7.4E-03	
	^{235}U	9.1E-04	±	3.2E-03	U
	^{238}U	6.7E-03	±	5.0E-03	
	^{65}Zn	3.8E-02	±	8.2E-02	U
V061	^{144}Ce	-6.4E-02	±	4.1E-01	U
(200 East)	^{60}Co	1.0E-02	±	3.5E-02	U
	^{134}Cs	-6.9E-03	±	3.2E-02	U
	^{137}Cs	2.4E-02	±	3.1E-02	U
	^{152}Eu	-7.9E-02	±	1.0E-01	U
	^{154}Eu	6.4E-03	±	6.4E-02	U
	^{155}Eu	-2.5E-02	±	1.1E-01	U
	^{238}Pu	-2.7E-02	±	2.7E-02	U
	^{239,240}Pu	4.7E-03	±	5.2E-03	U
	^{103}Ru	-1.9E-02	±	2.9E-02	U
	^{106}Ru	-1.0E-01	±	2.7E-01	U
	^{125}Sb	3.0E-02	±	8.3E-02	U
	^{113}Sn	1.2E-02	±	3.7E-02	U
	^{90}Sr	-1.2E-01	±	1.2E-01	U
	^{234}U	6.3E-03	±	5.0E-03	
	^{235}U	2.0E-03	±	4.0E-03	U
	^{238}U	1.2E-02	±	7.3E-03	
	^{65}Zn	-9.6E-02	±	9.6E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V063	^{144}Ce	2.9E-01	±	7.9E-01	U
(200 East)	^{60}Co	3.4E-02	±	5.8E-02	U
	^{134}Cs	2.4E-02	±	5.8E-02	U
	^{137}Cs	-2.4E-02	±	5.9E-02	U
	^{152}Eu	-1.4E-01	±	1.7E-01	U
	^{154}Eu	-1.5E-01	±	2.0E-01	U
	^{155}Eu	-4.4E-02	±	2.0E-01	U
	^{238}Pu	-6.4E-03	±	1.8E-02	U
	^{239,240}Pu	4.2E-03	±	5.9E-03	U
	^{103}Ru	-1.9E-03	±	1.9E-02	U
	^{106}Ru	-7.0E-02	±	5.2E-01	U
	^{125}Sb	-3.9E-02	±	1.5E-01	U
	^{113}Sn	7.4E-02	±	7.3E-02	U
	^{90}Sr	1.2E+01	±	1.8E+00	
	^{234}U	1.8E-02	±	1.0E-02	
	^{235}U	2.4E-03	±	3.4E-03	U
	^{238}U	2.2E-03	±	3.1E-03	U
	^{65}Zn	-4.3E-01	±	4.3E-01	U
V081	^{144}Ce	1.4E-01	±	3.3E-01	U
(600 Area)	^{60}Co	-1.7E-02	±	2.4E-02	U
	^{134}Cs	1.1E-02	±	2.4E-02	U
	^{137}Cs	9.5E-03	±	2.3E-02	U
	^{152}Eu	-3.3E-02	±	7.0E-02	U
	^{154}Eu	-2.1E-02	±	8.4E-02	U
	^{155}Eu	-1.8E-02	±	8.0E-02	U
	^{238}Pu	-1.0E-03	±	8.7E-03	U
	^{239,240}Pu	1.1E-03	±	1.1E-02	U
	^{103}Ru	-4.7E-03	±	2.3E-02	U
	^{106}Ru	1.2E-01	±	2.1E-01	U
	^{125}Sb	-1.3E-03	±	1.3E-02	U
	^{113}Sn	-1.8E-02	±	3.0E-02	U
	^{90}Sr	-8.9E-02	±	1.2E-01	U
	^{234}U	9.6E-03	±	7.6E-03	
	^{235}U	1.9E-03	±	4.7E-03	U
	^{238}U	7.0E-03	±	5.2E-03	
	^{65}Zn	-1.5E-01	±	1.5E-01	U

Location	Isotope	Result	±	Error	RQ*
V079	^{144}Ce	-3.8E-02	±	3.3E-01	U
(200 East)	^{60}Co	2.7E-04	±	2.7E-03	U
	^{134}Cs	8.3E-03	±	2.6E-02	U
	^{137}Cs	1.1E-02	±	2.6E-02	U
	^{152}Eu	8.7E-03	±	7.5E-02	U
	^{154}Eu	-1.0E-02	±	8.4E-02	U
	^{155}Eu	3.8E-03	±	3.8E-02	U
	^{238}Pu	2.3E-03	±	8.7E-03	U
	^{239,240}Pu	2.3E-03	±	5.8E-03	U
	^{103}Ru	-2.6E-02	±	2.6E-02	U
	^{106}Ru	-1.5E-01	±	2.3E-01	U
	^{125}Sb	-7.7E-03	±	6.5E-02	U
	^{113}Sn	8.9E-04	±	8.9E-03	U
	^{90}Sr	-5.9E-02	±	1.2E-01	U
	^{234}U	1.2E-02	±	7.4E-03	
	^{235}U	2.9E-03	±	3.5E-03	
	^{238}U	1.3E-02	±	7.5E-03	
	^{65}Zn	-9.9E-02	±	9.9E-02	U
V083	^{144}Ce	-1.6E-01	±	3.7E-01	U
(600 Area)	^{60}Co	1.0E-02	±	3.6E-02	U
	^{134}Cs	-2.2E-02	±	3.6E-02	U
	^{137}Cs	-4.1E-03	±	3.3E-02	U
	^{152}Eu	-7.6E-02	±	9.1E-02	U
	^{154}Eu	-7.4E-02	±	1.1E-01	U
	^{155}Eu	1.6E-01	±	9.9E-02	U
	^{238}Pu	1.3E-02	±	1.8E-02	U
	^{239,240}Pu	1.1E-03	±	5.8E-03	U
	^{103}Ru	2.5E-02	±	3.1E-02	U
	^{106}Ru	-4.1E-02	±	2.9E-01	U
	^{125}Sb	-1.4E-02	±	8.0E-02	U
	^{113}Sn	-3.1E-02	±	4.0E-02	U
	^{90}Sr	-5.9E-02	±	1.4E-01	U
	^{234}U	8.6E-03	±	7.1E-03	U
	^{235}U	2.4E-03	±	3.4E-03	U
	^{238}U	3.8E-03	±	4.6E-03	U
	^{65}Zn	-1.8E-01	±	1.8E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V085	^{144}Ce	-4.6E-03	±	4.6E-02	U
(600 Area)	^{60}Co	-8.6E-03	±	3.7E-02	U
	^{134}Cs	-1.3E-02	±	4.1E-02	U
	^{137}Cs	9.4E-03	±	3.8E-02	U
	^{152}Eu	3.9E-02	±	1.6E-01	U
	^{154}Eu	-3.9E-02	±	1.1E-01	U
	^{155}Eu	-2.7E-02	±	1.5E-01	U
	^{238}Pu	1.8E-02	±	1.4E-02	U
	^{239,240}Pu	9.5E-04	±	1.9E-03	U
	^{103}Ru	5.1E-03	±	3.8E-02	U
	^{106}Ru	-3.0E-01	±	3.5E-01	U
	^{125}Sb	-3.6E-02	±	1.0E-01	U
	^{113}Sn	-8.9E-03	±	4.6E-02	U
	^{90}Sr	-9.2E-02	±	1.4E-01	U
	^{234}U	8.4E-03	±	5.4E-03	
	^{235}U	2.8E-03	±	3.4E-03	
	^{238}U	6.1E-03	±	4.5E-03	
V089	^{144}Ce	2.5E-01	±	4.4E-01	U
(600 Area)	^{60}Co	-1.4E-03	±	1.4E-02	U
	^{134}Cs	-1.6E-02	±	3.5E-02	U
	^{137}Cs	-8.2E-03	±	3.2E-02	U
	^{152}Eu	-3.3E-02	±	1.0E-01	U
	^{154}Eu	3.1E-02	±	1.1E-01	U
	^{155}Eu	-5.4E-02	±	1.1E-01	U
	^{238}Pu	-2.1E-02	±	2.3E-02	U
	^{239,240}Pu	3.9E-03	±	6.2E-03	U
	^{103}Ru	1.9E-02	±	3.2E-02	U
	^{106}Ru	-2.7E-03	±	2.7E-02	U
	^{125}Sb	-1.1E-01	±	1.1E-01	U
	^{113}Sn	-2.2E-02	±	3.9E-02	U
	^{90}Sr	-9.2E-02	±	1.2E-01	U
	^{234}U	5.8E-03	±	5.2E-03	U
	^{235}U	3.6E-03	±	3.6E-03	
	^{238}U	5.8E-03	±	4.6E-03	
	^{65}Zn	1.4E-03	±	1.4E-02	U

Location	Isotope	Result	±	Error	RQ*
V087	^{144}Ce	-4.2E-01	±	7.8E-01	U
(600 Area)	^{60}Co	-2.7E-03	±	2.7E-02	U
	^{134}Cs	-4.0E-02	±	7.2E-02	U
	^{137}Cs	1.8E-01	±	1.1E-01	
	^{152}Eu	-4.1E-02	±	1.7E-01	U
	^{154}Eu	-2.2E-02	±	1.8E-01	U
	^{155}Eu	-6.6E-02	±	2.1E-01	U
	^{238}Pu	-9.1E-03	±	1.6E-02	U
	^{239,240}Pu	1.0E-03	±	2.0E-03	U
	^{103}Ru	1.4E-02	±	5.9E-02	U
	^{106}Ru	1.6E-01	±	5.6E-01	U
	^{125}Sb	1.5E-02	±	1.5E-01	U
	^{113}Sn	2.0E-02	±	7.6E-02	U
	^{90}Sr	1.1E-01	±	1.6E-01	U
	^{234}U	5.1E-03	±	5.6E-03	U
	^{235}U	4.6E-03	±	5.1E-03	U
	^{238}U	6.8E-03	±	5.1E-03	
V091	^{144}Ce	5.7E-02	±	3.6E-01	U
(600 Area)	^{60}Co	3.2E-03	±	3.1E-02	U
	^{134}Cs	1.2E-02	±	3.0E-02	U
	^{137}Cs	4.4E-01	±	1.0E-01	
	^{152}Eu	-3.6E-03	±	3.6E-02	U
	^{154}Eu	7.6E-03	±	7.6E-02	U
	^{155}Eu	-7.4E-02	±	9.8E-02	U
	^{238}Pu	8.3E-04	±	8.3E-03	U
	^{239,240}Pu	-1.7E-03	±	2.4E-03	U
	^{103}Ru	-1.9E-03	±	1.9E-02	U
	^{106}Ru	-5.1E-02	±	2.7E-01	U
	^{125}Sb	-2.7E-02	±	7.3E-02	U
	^{113}Sn	-3.9E-03	±	3.3E-02	U
	^{90}Sr	9.3E-01	±	1.9E-01	
	^{234}U	1.6E-02	±	8.3E-03	
	^{235}U	1.2E-02	±	7.3E-03	
	^{238}U	2.2E-02	±	1.0E-02	
	^{65}Zn	-1.3E-02	±	7.5E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V093	^{144}Ce	7.0E-01	±	7.4E-01	U
(600 Area)	^{60}Co	3.3E-02	±	4.9E-02	U
	^{134}Cs	-4.6E-02	±	5.5E-02	U
	^{137}Cs	2.2E-02	±	5.1E-02	U
	^{152}Eu	-1.8E-01	±	1.8E-01	U
	^{154}Eu	8.2E-02	±	1.4E-01	U
	^{155}Eu	1.9E-01	±	2.0E-01	U
	^{238}Pu	-1.8E-03	±	1.8E-02	U
	^{239,240}Pu	-1.8E-03	±	3.6E-03	U
	^{103}Ru	1.1E-02	±	5.7E-02	U
	^{106}Ru	-5.5E-01	±	5.5E-01	U
	^{125}Sb	-6.7E-02	±	1.4E-01	U
	^{113}Sn	-4.5E-02	±	6.3E-02	U
	^{90}Sr	-1.2E-01	±	1.2E-01	U
	^{234}U	4.7E-03	±	4.0E-03	
	^{235}U	4.3E-03	±	5.2E-03	U
	^{238}U	1.6E-03	±	4.0E-03	U
	^{65}Zn	-7.9E-02	±	1.1E-01	U
V097	^{144}Ce	8.2E-02	±	2.9E-01	U
(600 Area)	^{60}Co	3.2E-03	±	1.9E-02	U
	^{134}Cs	1.3E-02	±	2.6E-02	U
	^{137}Cs	-5.1E-03	±	2.1E-02	U
	^{152}Eu	-4.9E-03	±	4.9E-02	U
	^{154}Eu	2.4E-02	±	6.5E-02	U
	^{155}Eu	5.6E-02	±	7.2E-02	U
	^{238}Pu	1.6E-02	±	1.6E-02	U
	^{239,240}Pu	-8.8E-04	±	3.1E-03	U
	^{103}Ru	6.6E-03	±	2.0E-02	U
	^{106}Ru	5.1E-02	±	1.8E-01	U
	^{125}Sb	-7.7E-02	±	7.7E-02	U
	^{113}Sn	-3.0E-02	±	3.0E-02	U
	^{90}Sr	6.5E-02	±	1.2E-01	U
	^{234}U	9.8E-03	±	6.2E-03	
	^{235}U	2.7E-03	±	3.2E-03	
	^{238}U	5.7E-03	±	4.6E-03	
	^{65}Zn	-5.1E-02	±	5.3E-02	U

Location	Isotope	Result	±	Error	RQ*
V095	^{144}Ce	-8.4E-02	±	3.7E-01	U
(600 Area)	^{60}Co	-2.4E-02	±	3.0E-02	U
	^{134}Cs	1.7E-02	±	3.0E-02	U
	^{137}Cs	6.0E-02	±	5.8E-02	
	^{152}Eu	-6.3E-03	±	6.3E-02	U
	^{154}Eu	1.4E-02	±	1.2E-01	U
	^{155}Eu	4.4E-02	±	9.7E-02	U
	^{238}Pu	-6.0E-03	±	1.4E-02	U
	^{239,240}Pu	2.4E-03	±	3.4E-03	U
	^{103}Ru	2.1E-03	±	2.1E-02	U
	^{106}Ru	-8.2E-02	±	2.4E-01	U
	^{125}Sb	2.4E-02	±	7.3E-02	U
	^{113}Sn	-1.4E-02	±	3.4E-02	U
	^{90}Sr	7.1E-01	±	1.8E-01	
	^{234}U	9.8E-03	±	6.6E-03	
	^{235}U	1.8E-03	±	3.6E-03	U
	^{238}U	5.7E-03	±	4.6E-03	
	^{65}Zn	-2.0E-01	±	2.0E-01	U
V099	^{144}Ce	1.8E-02	±	1.8E-01	U
(600 Area)	^{60}Co	2.4E-02	±	2.6E-02	U
	^{134}Cs	-2.2E-02	±	2.6E-02	U
	^{137}Cs	-8.0E-03	±	2.5E-02	U
	^{152}Eu	8.9E-03	±	6.4E-02	U
	^{154}Eu	-1.7E-02	±	7.9E-02	U
	^{155}Eu	7.1E-02	±	8.2E-02	U
	^{238}Pu	1.6E-02	±	1.4E-02	U
	^{239,240}Pu	1.0E-03	±	1.0E-02	U
	^{103}Ru	-1.3E-02	±	2.3E-02	U
	^{106}Ru	2.6E-01	±	2.2E-01	U
	^{125}Sb	-2.8E-02	±	5.9E-02	U
	^{113}Sn	-1.1E-04	±	1.1E-03	U
	^{90}Sr	4.8E+00	±	7.2E-01	
	^{234}U	4.9E-03	±	4.8E-03	U
	^{235}U	1.8E-03	±	3.6E-03	U
	^{238}U	1.6E-03	±	3.2E-03	U
	^{65}Zn	1.4E-03	±	1.4E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V101	^{144}Ce	-1.2E-02	±	1.2E-01	U
(600 Area)	^{60}Co	-8.0E-03	±	2.5E-02	U
	^{134}Cs	-2.2E-02	±	2.6E-02	U
	^{137}Cs	1.4E-02	±	3.0E-02	U
	^{152}Eu	-5.4E-02	±	7.6E-02	U
	^{154}Eu	-5.2E-02	±	9.4E-02	U
	^{155}Eu	-1.1E-02	±	8.6E-02	U
	^{238}Pu	9.3E-04	±	9.3E-03	U
	^{239,240}Pu	-1.9E-03	±	3.8E-03	U
	^{103}Ru	-3.7E-03	±	2.5E-02	U
	^{106}Ru	-1.2E-01	±	2.1E-01	U
	^{125}Sb	2.7E-02	±	7.1E-02	U
	^{113}Sn	-3.3E-02	±	3.4E-02	U
	^{90}Sr	-1.8E-02	±	1.1E-01	U
	^{234}U	8.4E-03	±	6.0E-03	
	^{235}U	-1.0E-03	±	3.5E-03	U
	^{238}U	4.7E-03	±	4.4E-03	
	^{65}Zn	-6.3E-03	±	6.3E-02	U
V105	^{144}Ce	4.3E-02	±	4.3E-01	U
(600 Area)	^{60}Co	-5.7E-03	±	3.8E-02	U
	^{134}Cs	6.6E-05	±	6.6E-04	U
	^{137}Cs	1.1E-02	±	3.8E-02	U
	^{152}Eu	8.7E-03	±	8.6E-02	U
	^{154}Eu	-7.5E-02	±	1.3E-01	U
	^{155}Eu	1.7E-01	±	1.1E-01	U
	^{238}Pu	-6.2E-03	±	8.7E-03	U
	^{239,240}Pu	1.0E-02	±	7.4E-03	
	^{103}Ru	-1.1E-02	±	4.2E-02	U
	^{106}Ru	2.3E-02	±	2.3E-01	U
	^{125}Sb	-4.4E-02	±	9.3E-02	U
	^{113}Sn	-4.3E-04	±	4.2E-03	U
	^{90}Sr	6.0E-02	±	1.4E-01	U
	^{234}U	9.5E-03	±	6.2E-03	
	^{235}U	1.9E-03	±	2.7E-03	U
	^{238}U	6.9E-03	±	5.2E-03	
	^{65}Zn	1.0E-01	±	1.0E-01	U

Location	Isotope	Result	±	Error	RQ*
V103	^{144}Ce	2.5E-01	±	3.8E-01	U
(600 Area)	^{60}Co	-2.9E-03	±	2.6E-02	U
	^{134}Cs	-8.1E-03	±	2.7E-02	U
	^{137}Cs	1.2E-02	±	2.8E-02	U
	^{152}Eu	-2.0E-02	±	8.1E-02	U
	^{154}Eu	3.0E-02	±	8.5E-02	U
	^{155}Eu	3.2E-02	±	9.2E-02	U
	^{238}Pu	4.5E-03	±	1.9E-02	U
	^{239,240}Pu	6.8E-03	±	5.8E-03	
	^{103}Ru	-5.8E-04	±	5.8E-03	U
	^{106}Ru	-1.8E-01	±	2.2E-01	U
	^{125}Sb	6.8E-02	±	7.6E-02	U
	^{113}Sn	-4.4E-03	±	3.5E-02	U
	^{90}Sr	1.3E-02	±	1.2E-01	U
	^{234}U	1.0E-02	±	6.3E-03	
	^{235}U	8.3E-04	±	8.3E-03	U
	^{238}U	6.7E-03	±	5.0E-03	
	^{65}Zn	5.2E-02	±	7.1E-02	U
V107	^{144}Ce	-4.8E-02	±	3.4E-01	U
(600 Area)	^{60}Co	-1.0E-02	±	3.4E-02	U
	^{134}Cs	2.3E-02	±	3.2E-02	U
	^{137}Cs	4.6E-03	±	3.1E-02	U
	^{152}Eu	7.6E-04	±	7.6E-03	U
	^{154}Eu	-1.5E-01	±	1.5E-01	U
	^{155}Eu	2.3E-02	±	1.0E-01	U
	^{238}Pu	-2.5E-03	±	6.2E-03	U
	^{239,240}Pu	1.2E-03	±	1.2E-03	U
	^{103}Ru	1.1E-02	±	3.2E-02	U
	^{106}Ru	-1.1E-01	±	2.9E-01	U
	^{125}Sb	-3.6E-03	±	3.6E-02	U
	^{113}Sn	-2.6E-02	±	3.7E-02	U
	^{90}Sr	-1.6E-01	±	1.6E-01	U
	^{234}U	2.6E-03	±	3.1E-03	
	^{235}U	8.8E-04	±	8.8E-04	U
	^{238}U	6.2E-03	±	5.0E-03	
	^{65}Zn	2.7E-02	±	8.7E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V109 (600 Area)	^{144}Ce	-1.3E-01	±	5.5E-01	U
	^{60}Co	-1.7E-02	±	3.5E-02	U
	^{134}Cs	-7.0E-03	±	3.9E-02	U
	^{137}Cs	3.2E-02	±	4.3E-02	U
	^{152}Eu	-8.6E-02	±	1.3E-01	U
	^{154}Eu	6.1E-02	±	1.1E-01	U
	^{155}Eu	7.6E-02	±	1.5E-01	U
	^{238}Pu	9.2E-04	±	9.2E-04	U
	^{239,240}Pu	2.3E-02	±	1.1E-02	
	^{103}Ru	-2.1E-02	±	4.0E-02	U
	^{106}Ru	7.1E-02	±	3.5E-01	U
	^{125}Sb	6.8E-03	±	6.8E-02	U
	^{113}Sn	-2.2E-02	±	4.8E-02	U
	^{90}Sr	-1.0E-02	±	1.0E-01	U
	^{234}U	1.1E-02	±	6.7E-03	
	^{235}U	9.2E-04	±	3.2E-03	U
	^{238}U	6.8E-03	±	6.1E-03	U
	^{65}Zn	-8.7E-02	±	8.9E-02	U
V113 (Duplicate of V083, 600 Area)	^{144}Ce	-3.1E-02	±	3.1E-01	U
	^{60}Co	-8.5E-03	±	3.2E-02	U
	^{134}Cs	-2.4E-02	±	3.5E-02	U
	^{137}Cs	-4.1E-04	±	4.1E-03	U
	^{152}Eu	-8.2E-02	±	1.0E-01	U
	^{154}Eu	4.1E-03	±	4.1E-02	U
	^{155}Eu	-2.8E-02	±	1.1E-01	U
	^{238}Pu	-1.0E-03	±	4.5E-03	U
	^{239,240}Pu	1.0E-03	±	1.0E-03	U
	^{103}Ru	-6.8E-03	±	3.2E-02	U
	^{106}Ru	-6.6E-02	±	2.7E-01	U
	^{125}Sb	2.1E-02	±	8.4E-02	U
	^{113}Sn	-6.7E-04	±	6.7E-03	U
	^{90}Sr	2.0E+00	±	3.0E-01	
	^{234}U	1.2E-02	±	7.1E-03	
	^{235}U	1.9E-03	±	2.7E-03	U
	^{238}U	7.1E-03	±	5.9E-03	
	^{65}Zn	-3.4E-01	±	3.4E-01	U

Location	Isotope	Result	±	Error	RQ*
V111 (Duplicate of V007, 200 West)	^{144}Ce	-2.2E-01	±	5.2E-01	U
	^{60}Co	-1.2E-02	±	4.1E-02	U
	^{134}Cs	1.3E-02	±	4.2E-02	U
	^{137}Cs	6.3E-03	±	4.2E-02	U
	^{152}Eu	1.0E-01	±	1.2E-01	U
	^{154}Eu	-1.6E-01	±	1.6E-01	U
	^{155}Eu	9.7E-02	±	1.4E-01	U
	^{238}Pu	-2.1E-03	±	4.2E-03	U
	^{239,240}Pu	1.0E-03	±	4.5E-03	U
	^{103}Ru	7.6E-03	±	3.9E-02	U
	^{106}Ru	1.1E-01	±	3.5E-01	U
	^{125}Sb	5.0E-02	±	1.0E-01	U
	^{113}Sn	-1.6E-02	±	4.9E-02	U
	^{90}Sr	-1.0E-01	±	1.0E-01	U
	^{234}U	9.9E-03	±	6.9E-03	
	^{235}U	2.0E-03	±	4.0E-03	U
	^{238}U	5.4E-03	±	4.6E-03	
	^{65}Zn	-9.9E-03	±	9.7E-02	U
V116 (300 Area)	^{144}Ce	-6.9E-02	±	4.5E-01	U
	^{60}Co	1.5E-02	±	3.0E-02	U
	^{134}Cs	2.7E-04	±	2.7E-03	U
	^{137}Cs	4.1E-03	±	3.1E-02	U
	^{152}Eu	-7.2E-02	±	1.2E-01	U
	^{154}Eu	5.6E-02	±	9.3E-02	U
	^{155}Eu	4.9E-02	±	1.1E-01	U
	^{238}Pu	-2.6E-03	±	3.9E-03	U
	^{239,240}Pu	8.6E-04	±	8.6E-03	U
	^{103}Ru	-3.4E-04	±	3.4E-03	U
	^{106}Ru	1.8E-01	±	3.3E-01	U
	^{125}Sb	7.2E-03	±	7.2E-02	U
	^{113}Sn	1.3E-02	±	4.4E-02	U
	^{90}Sr	-6.1E-02	±	1.2E-01	U
	^{234}U	6.0E-02	±	2.0E-02	
	^{235}U	5.0E-03	±	4.3E-03	
	^{238}U	5.3E-02	±	1.9E-02	
	^{65}Zn	-1.2E-01	±	1.2E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V117	^{144}Ce	-2.7E-01	±	5.3E-01	U
(300 Area)	^{60}Co	2.4E-02	±	3.6E-02	U
	^{134}Cs	-2.8E-02	±	3.3E-02	U
	^{137}Cs	-1.5E-02	±	3.4E-02	U
	^{152}Eu	4.9E-02	±	9.1E-02	U
	^{154}Eu	-6.1E-02	±	1.0E-01	U
	^{155}Eu	1.6E-02	±	1.1E-01	U
	^{238}Pu	-4.2E-03	±	1.4E-02	U
	^{239,240}Pu	3.3E-03	±	4.6E-03	U
	^{103}Ru	9.5E-03	±	3.4E-02	U
	^{106}Ru	-5.2E-02	±	3.1E-01	U
	^{125}Sb	-4.0E-03	±	4.0E-02	U
	^{113}Sn	5.5E-02	±	4.1E-02	U
	^{90}Sr	-1.5E-01	±	1.5E-01	U
	^{234}U	2.0E-02	±	9.6E-03	
	^{235}U	1.8E-03	±	4.5E-03	U
	^{238}U	1.7E-02	±	8.5E-03	
	^{65}Zn	-4.0E-03	±	4.0E-02	U
V121	^{144}Ce	-2.0E-01	±	3.1E-01	U
(300 Area)	^{60}Co	3.1E-03	±	3.1E-02	U
	^{134}Cs	4.2E-03	±	3.8E-02	U
	^{137}Cs	-9.8E-03	±	2.9E-02	U
	^{152}Eu	-2.9E-02	±	8.0E-02	U
	^{154}Eu	5.2E-02	±	9.6E-02	U
	^{155}Eu	6.7E-03	±	6.7E-02	U
	^{238}Pu	9.7E-03	±	1.6E-02	U
	^{239,240}Pu	2.0E-03	±	4.0E-03	U
	^{103}Ru	2.5E-03	±	2.5E-02	U
	^{106}Ru	-4.9E-02	±	2.7E-01	U
	^{125}Sb	1.1E-02	±	7.3E-02	U
	^{113}Sn	2.1E-02	±	3.7E-02	U
	^{90}Sr	-6.8E-02	±	1.1E-01	U
	^{234}U	4.0E-02	±	1.4E-02	
	^{235}U	3.8E-03	±	3.8E-03	
	^{238}U	3.5E-02	±	1.3E-02	
	^{65}Zn	-2.6E-02	±	7.7E-02	U

Location	Isotope	Result	±	Error	RQ*
V119	^{144}Ce	5.1E-02	±	3.5E-01	U
(300 Area)	^{60}Co	2.0E-02	±	3.4E-02	U
	^{134}Cs	-4.4E-03	±	4.1E-02	U
	^{137}Cs	-8.4E-03	±	3.2E-02	U
	^{152}Eu	-2.9E-02	±	8.6E-02	U
	^{154}Eu	-4.3E-02	±	1.0E-01	U
	^{155}Eu	-5.5E-02	±	9.1E-02	U
	^{238}Pu	-1.8E-03	±	1.3E-02	U
	^{239,240}Pu	2.6E-03	±	3.9E-03	U
	^{103}Ru	2.3E-02	±	3.2E-02	U
	^{106}Ru	1.1E-01	±	2.9E-01	U
	^{125}Sb	-5.2E-02	±	8.7E-02	U
	^{113}Sn	-1.3E-02	±	3.9E-02	U
	^{90}Sr	-2.4E-01	±	2.4E-01	U
	^{234}U	2.2E-01	±	4.8E-02	
	^{235}U	1.8E-02	±	9.0E-03	
	^{238}U	1.9E-01	±	4.4E-02	
	^{65}Zn	7.6E-03	±	7.6E-02	U
V123	^{144}Ce	-2.8E-01	±	5.0E-01	U
(300 Area)	^{60}Co	2.7E-02	±	3.8E-02	U
	^{134}Cs	-1.8E-02	±	3.8E-02	U
	^{137}Cs	2.3E-02	±	3.6E-02	U
	^{152}Eu	-1.1E-01	±	1.1E-01	U
	^{154}Eu	-1.3E-02	±	1.2E-01	U
	^{155}Eu	-9.7E-02	±	1.4E-01	U
	^{238}Pu	-6.1E-03	±	1.8E-02	U
	^{239,240}Pu	8.7E-04	±	8.7E-03	U
	^{103}Ru	3.1E-03	±	3.1E-02	U
	^{106}Ru	-2.6E-01	±	3.3E-01	U
	^{125}Sb	-9.7E-03	±	9.7E-02	U
	^{113}Sn	-4.5E-03	±	4.5E-02	U
	^{90}Sr	-9.5E-02	±	1.2E-01	U
	^{234}U	1.1E-02	±	7.7E-03	
	^{235}U	4.5E-03	±	4.9E-03	U
	^{238}U	7.4E-03	±	5.6E-03	
	^{65}Zn	-1.5E-01	±	1.5E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V124	^{144}Ce	-1.7E-01	±	3.1E-01	U
(300 Area)	^{60}Co	-2.7E-03	±	2.2E-02	U
	^{134}Cs	1.4E-04	±	1.4E-03	U
	^{137}Cs	-9.1E-03	±	2.3E-02	U
	^{152}Eu	1.9E-02	±	6.9E-02	U
	^{154}Eu	-1.7E-02	±	6.7E-02	U
	^{155}Eu	-7.1E-02	±	8.0E-02	U
	^{238}Pu	6.6E-03	±	1.2E-02	U
	^{239,240}Pu	3.3E-03	±	3.3E-03	
	^{103}Ru	1.0E-02	±	2.3E-02	U
	^{106}Ru	-1.4E-01	±	2.0E-01	U
	^{125}Sb	5.6E-02	±	6.4E-02	U
	^{113}Sn	2.6E-02	±	3.4E-02	U
	^{90}Sr	-7.1E-02	±	9.4E-02	U
	^{234}U	2.5E-02	±	1.1E-02	
	^{235}U	8.2E-03	±	5.7E-03	
	^{238}U	2.3E-02	±	9.9E-03	
	^{65}Zn	-1.4E-01	±	1.4E-01	U
V126	^{144}Ce	-3.4E-02	±	3.2E-01	U
(300 Area)	^{60}Co	-9.4E-03	±	2.5E-02	U
	^{134}Cs	-3.8E-03	±	2.3E-02	U
	^{137}Cs	-2.6E-02	±	2.6E-02	U
	^{152}Eu	3.3E-02	±	7.3E-02	U
	^{154}Eu	-6.7E-02	±	6.7E-02	U
	^{155}Eu	-3.9E-02	±	8.2E-02	U
	^{238}Pu	4.8E-03	±	1.0E-02	U
	^{239,240}Pu	-1.9E-03	±	3.8E-03	U
	^{103}Ru	5.8E-04	±	5.8E-03	U
	^{106}Ru	-4.1E-02	±	2.0E-01	U
	^{125}Sb	7.6E-02	±	6.9E-02	U
	^{113}Sn	-1.3E-02	±	3.3E-02	U
	^{90}Sr	-1.9E-02	±	9.9E-02	U
	^{234}U	2.6E-02	±	1.1E-02	
	^{235}U	4.6E-03	±	4.2E-03	
	^{238}U	1.8E-02	±	8.5E-03	
	^{65}Zn	-1.2E-02	±	5.8E-02	U

Location	Isotope	Result	±	Error	RQ*
V125	^{144}Ce	2.1E-01	±	4.6E-01	U
(300 Area)	^{60}Co	4.2E-03	±	3.2E-02	U
	^{134}Cs	-1.1E-03	±	1.1E-02	U
	^{137}Cs	-3.6E-03	±	3.1E-02	U
	^{152}Eu	-5.5E-02	±	8.2E-02	U
	^{154}Eu	-9.3E-02	±	9.4E-02	U
	^{155}Eu	-8.0E-03	±	8.0E-02	U
	^{238}Pu	-2.5E-03	±	1.0E-02	U
	^{239,240}Pu	4.1E-03	±	3.7E-03	
	^{103}Ru	-2.2E-02	±	3.1E-02	U
	^{106}Ru	8.8E-02	±	2.8E-01	U
	^{125}Sb	3.4E-02	±	8.0E-02	U
	^{113}Sn	-1.0E-02	±	3.7E-02	U
	^{90}Sr	-1.4E-01	±	1.4E-01	U
	^{234}U	3.4E-02	±	1.3E-02	
	^{235}U	1.2E-02	±	7.4E-03	
	^{238}U	2.2E-02	±	1.1E-02	
	^{65}Zn	-3.3E-03	±	3.3E-02	U
V127	^{144}Ce	2.4E-01	±	4.9E-01	U
(300 Area)	^{60}Co	-1.5E-02	±	2.8E-02	U
	^{134}Cs	2.7E-03	±	2.7E-02	U
	^{137}Cs	-6.5E-02	±	6.5E-02	U
	^{152}Eu	-6.7E-02	±	1.1E-01	U
	^{154}Eu	5.1E-02	±	9.8E-02	U
	^{155}Eu	-1.2E-01	±	1.2E-01	U
	^{238}Pu	-8.7E-04	±	8.7E-03	U
	^{239,240}Pu	8.7E-04	±	8.7E-03	U
	^{103}Ru	-1.6E-02	±	3.6E-02	U
	^{106}Ru	-9.3E-02	±	3.1E-01	U
	^{125}Sb	5.0E-02	±	9.7E-02	U
	^{113}Sn	-1.3E-02	±	5.0E-02	U
	^{90}Sr	-4.9E-02	±	1.3E-01	U
	^{234}U	1.3E-02	±	7.1E-03	
	^{235}U	1.7E-03	±	2.4E-03	U
	^{238}U	1.0E-02	±	6.5E-03	
	^{65}Zn	2.2E-02	±	8.2E-02	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

Table 3-5. 2003 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Error	RQ*
V128	^{144}Ce	9.5E-02	±	3.6E-01	U
(300 Area)	^{60}Co	-3.1E-02	±	3.6E-02	U
	^{134}Cs	3.2E-02	±	3.6E-02	U
	^{137}Cs	-1.6E-02	±	3.3E-02	U
	^{152}Eu	-6.9E-02	±	8.9E-02	U
	^{154}Eu	4.4E-02	±	1.1E-01	U
	^{155}Eu	1.4E-02	±	9.2E-02	U
	^{238}Pu	6.2E-03	±	8.1E-03	U
	^{239,240}Pu	2.6E-03	±	4.7E-03	U
	^{103}Ru	-4.4E-02	±	4.4E-02	U
	^{106}Ru	1.1E-01	±	3.1E-01	U
	^{125}Sb	-4.5E-03	±	4.5E-02	U
	^{113}Sn	-3.6E-03	±	3.6E-02	U
	^{90}Sr	1.7E-01	±	1.5E-01	U
	^{234}U	8.7E-03	±	5.7E-03	
	^{235}U	4.8E-03	±	4.4E-03	
	^{238}U	5.2E-03	±	6.2E-03	U
	^{65}Zn	-7.5E-03	±	7.5E-02	U
V131	^{144}Ce	2.8E-01	±	4.6E-01	U
(Duplicate	^{60}Co	1.4E-02	±	3.0E-02	U
of V116,	^{134}Cs	5.9E-03	±	3.2E-02	U
300 Area)	^{137}Cs	-1.8E-02	±	3.2E-02	U
	^{152}Eu	1.0E-03	±	1.0E-02	U
	^{154}Eu	1.7E-02	±	8.0E-02	U
	^{155}Eu	-3.1E-02	±	1.1E-01	U
	^{238}Pu	-2.5E-03	±	5.0E-03	U
	^{239,240}Pu	8.3E-04	±	8.3E-03	U
	^{103}Ru	1.9E-02	±	5.8E-02	U
	^{106}Ru	2.8E-01	±	2.9E-01	U
	^{125}Sb	5.6E-02	±	9.2E-02	U
	^{113}Sn	2.0E-02	±	5.0E-02	U
	^{90}Sr	-2.1E-01	±	2.1E-01	U
	^{234}U	5.9E-02	±	1.8E-02	
	^{235}U	9.2E-03	±	6.6E-03	
	^{238}U	7.3E-02	±	2.0E-02	
	^{65}Zn	4.0E-02	±	1.2E-01	U

Location	Isotope	Result	±	Error	RQ*
V129	^{144}Ce	-2.9E-01	±	4.4E-01	U
(300 Area)	^{60}Co	8.1E-03	±	3.0E-02	U
	^{134}Cs	-1.5E-02	±	3.2E-02	U
	^{137}Cs	1.8E-02	±	3.1E-02	U
	^{152}Eu	1.4E-02	±	1.1E-01	U
	^{154}Eu	-3.4E-03	±	3.4E-02	U
	^{155}Eu	-6.7E-02	±	1.2E-01	U
	^{238}Pu	-3.2E-03	±	3.8E-03	U
	^{239,240}Pu	8.0E-04	±	1.6E-03	U
	^{103}Ru	-1.0E-02	±	3.6E-02	U
	^{106}Ru	-1.0E-01	±	2.7E-01	U
	^{125}Sb	2.8E-02	±	8.3E-02	U
	^{113}Sn	-3.6E-02	±	4.2E-02	U
	^{90}Sr	-1.2E-01	±	1.2E-01	U
	^{234}U	1.2E-02	±	7.3E-03	
	^{235}U	3.5E-03	±	4.2E-03	U
	^{238}U	7.2E-03	±	5.0E-03	
	^{65}Zn	-1.2E-02	±	8.8E-02	U
V132	^{144}Ce	4.4E-01	±	7.0E-01	U
(Duplicate	^{60}Co	8.2E-03	±	5.8E-02	U
of V123,	^{134}Cs	-1.6E-03	±	1.6E-02	U
300 Area)	^{137}Cs	4.0E-03	±	4.0E-02	U
	^{152}Eu	-7.5E-02	±	1.8E-01	U
	^{154}Eu	-7.1E-02	±	2.0E-01	U
	^{155}Eu	-1.7E-01	±	1.7E-01	U
	^{238}Pu	6.7E-03	±	5.8E-03	U
	^{239,240}Pu	1.5E-03	±	3.0E-03	U
	^{103}Ru	-1.7E-02	±	9.8E-02	U
	^{106}Ru	-1.1E-01	±	5.4E-01	U
	^{125}Sb	8.4E-02	±	1.5E-01	U
	^{113}Sn	-3.5E-02	±	7.9E-02	U
	^{90}Sr	-1.4E-02	±	1.2E-01	U
	^{234}U	2.4E-02	±	1.3E-02	
	^{235}U	8.4E-03	±	7.6E-03	
	^{238}U	1.2E-02	±	1.1E-02	U
	^{65}Zn	1.3E-01	±	1.6E-01	U

RQ = Result Qualifier. U = The analyte was analyzed for but not detected.

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