

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 2002 and their locations are shown in Table 3-1.

Table 3-1. Soil and Vegetation Samples Collected in 2002.

Sample type	Number of sample locations	Operational area							
		100-B,C	100-D,DR	100-F	100-K	100-N	200/600 ^a	300/400	ERDF ^b
Soil	82	3	0	2	2	5	56	13	1
Vegetation	63	0	0	0	0	4	46	13	0

a - Even-numbered soil and vegetation sampling locations in the 200/600 Areas are sampled in even-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 2002 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 2002 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 2002. Generally, the predominant radionuclides observed in soil samples were activation products and strontium-90 in the 100-N Area, 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.

Additional discussion of the 2002 results can be found in Section 3.2 of PNNL-14295.

Figure 3-1. 2002 Soil Sampling Locations, 100-B/C Area.

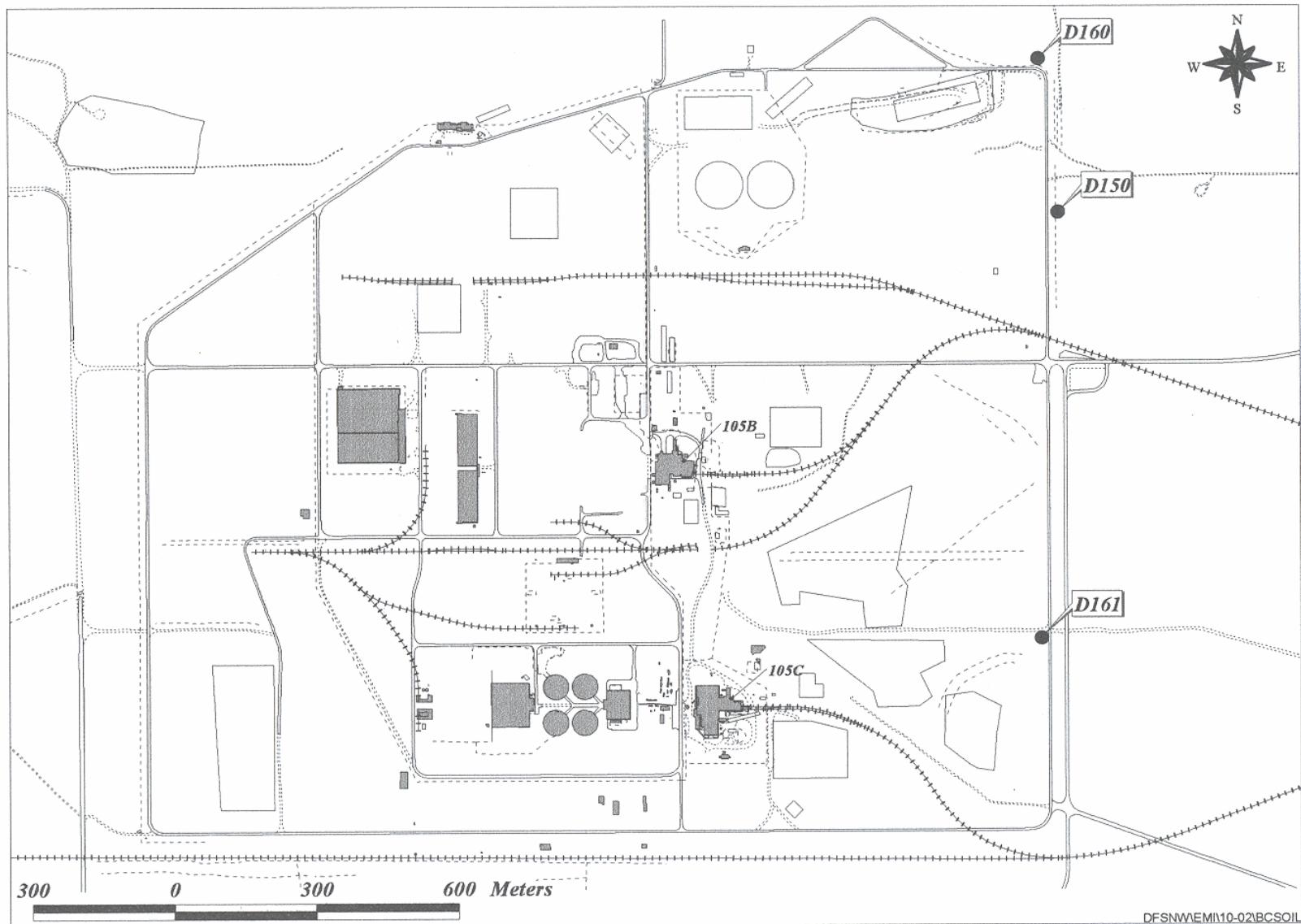


Figure 3-2. 2002 Soil Sampling Locations, 100-F Area.

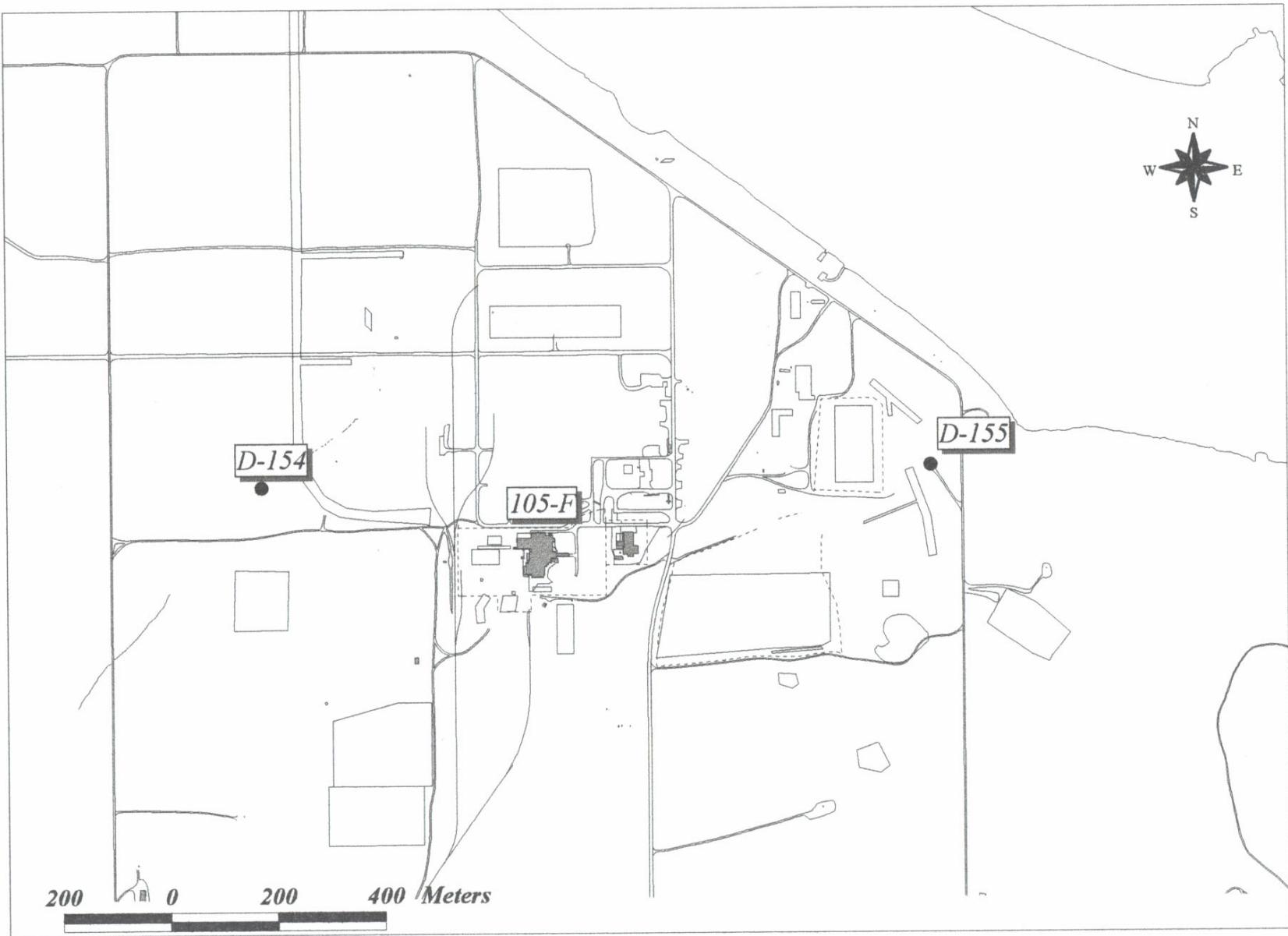


Figure 3-3. 2002 Soil Sampling Locations, 100-K Area.

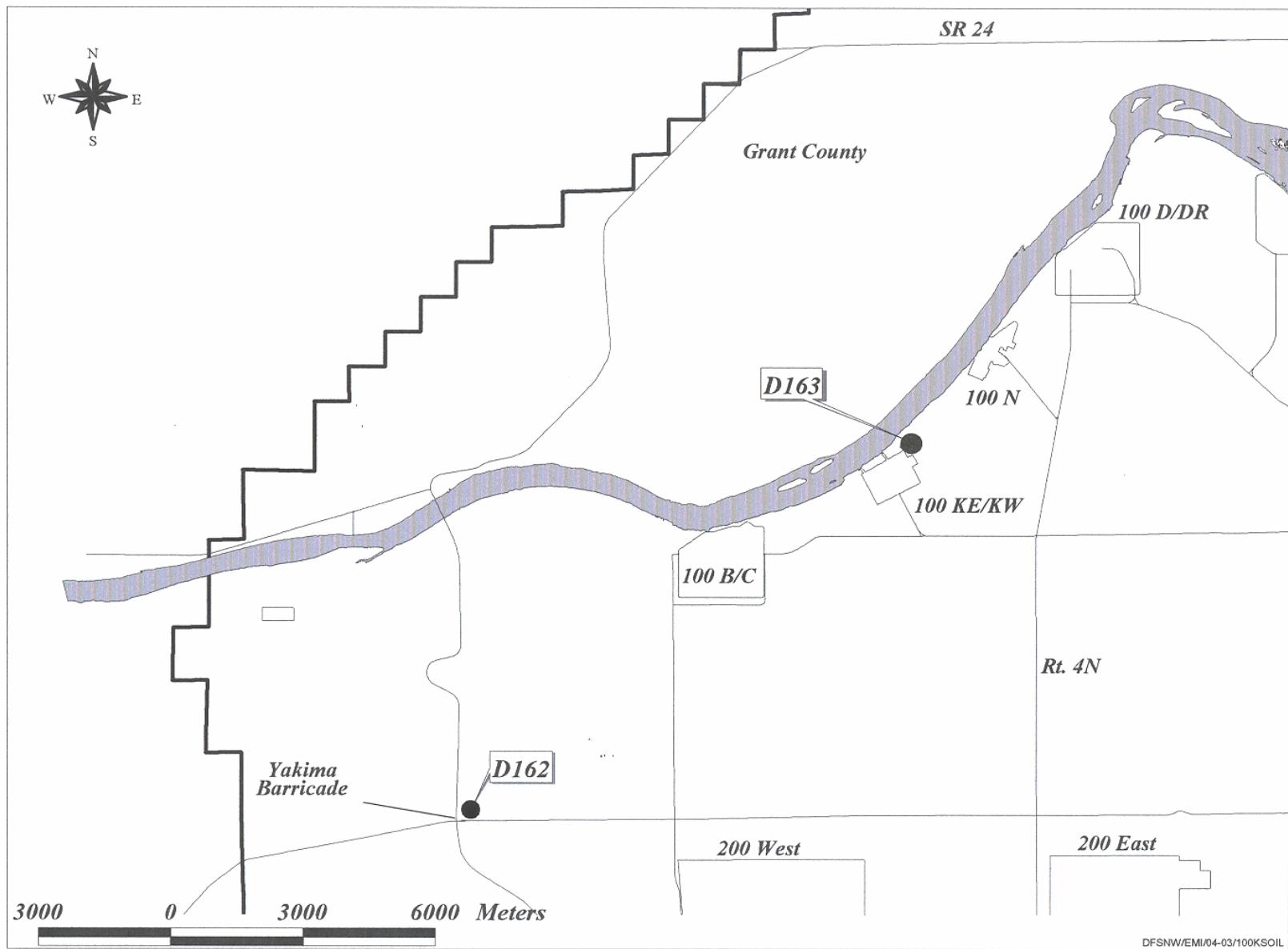


Figure 3-4. 2002 Soil Sampling Locations, 100-N Area.

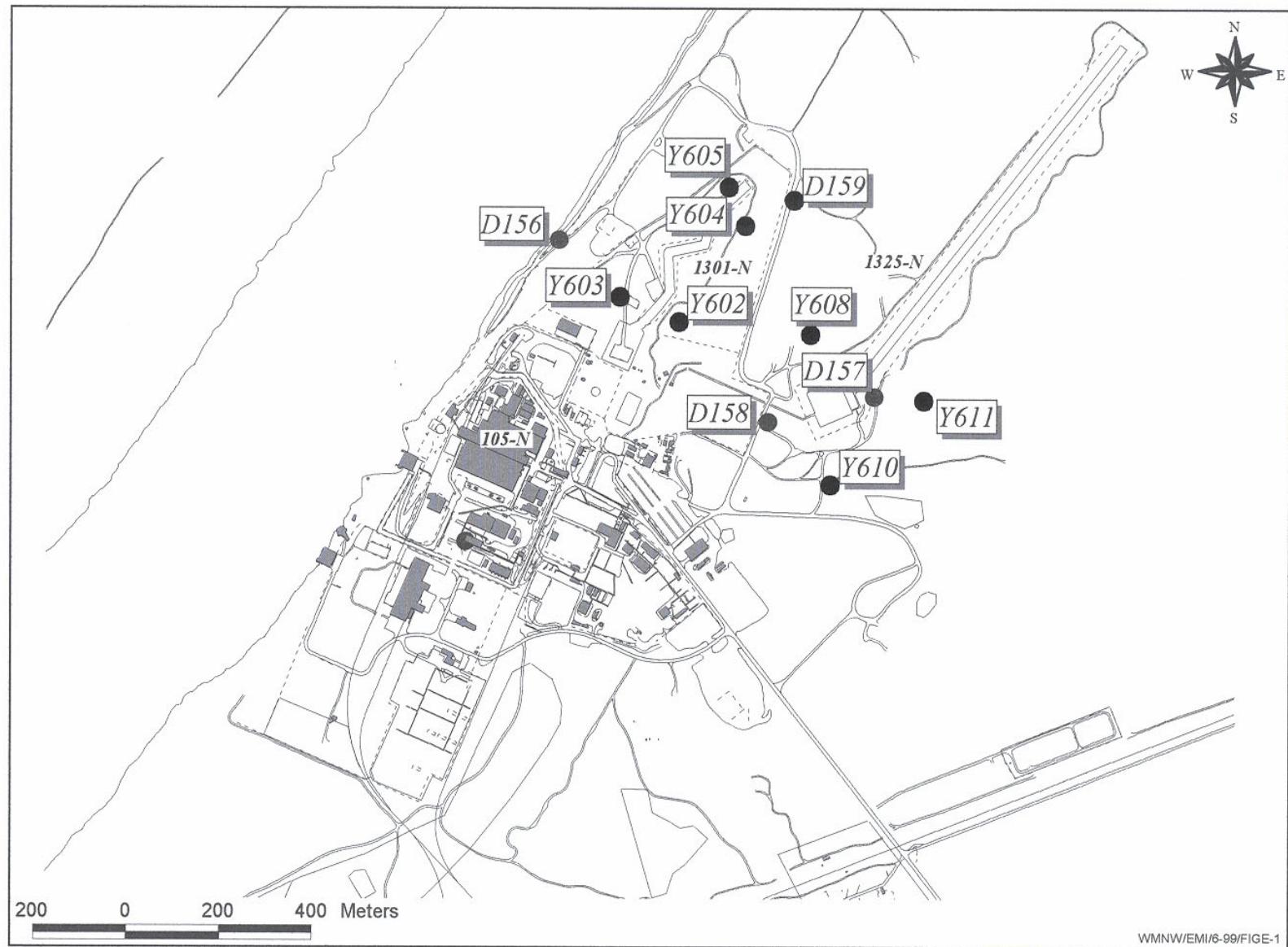


Figure 3-5. 2002 Soil Sampling Locations, 200 East Area.

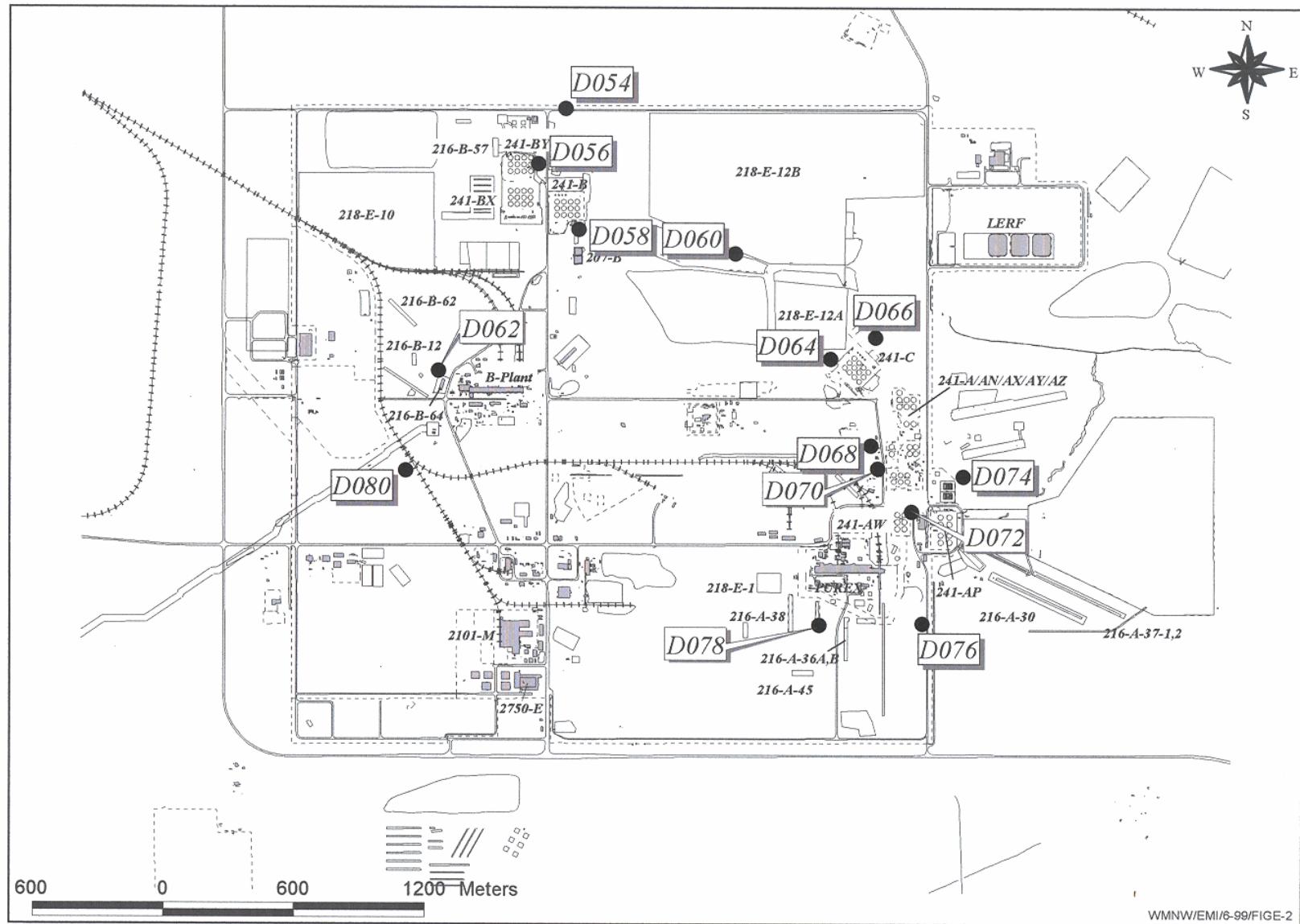


Figure 3-6. 2002 Soil Sampling Locations, 200 West Area.

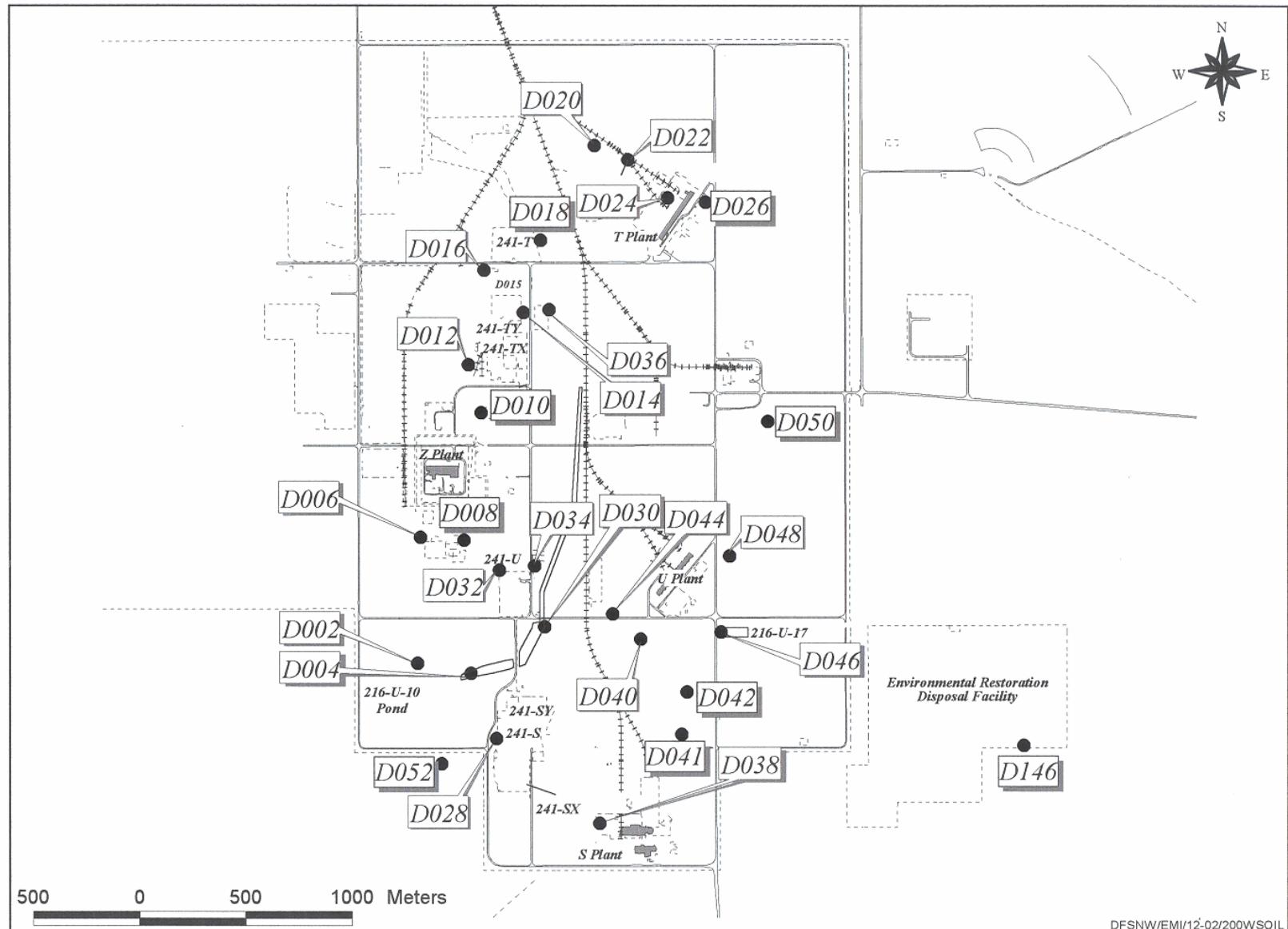
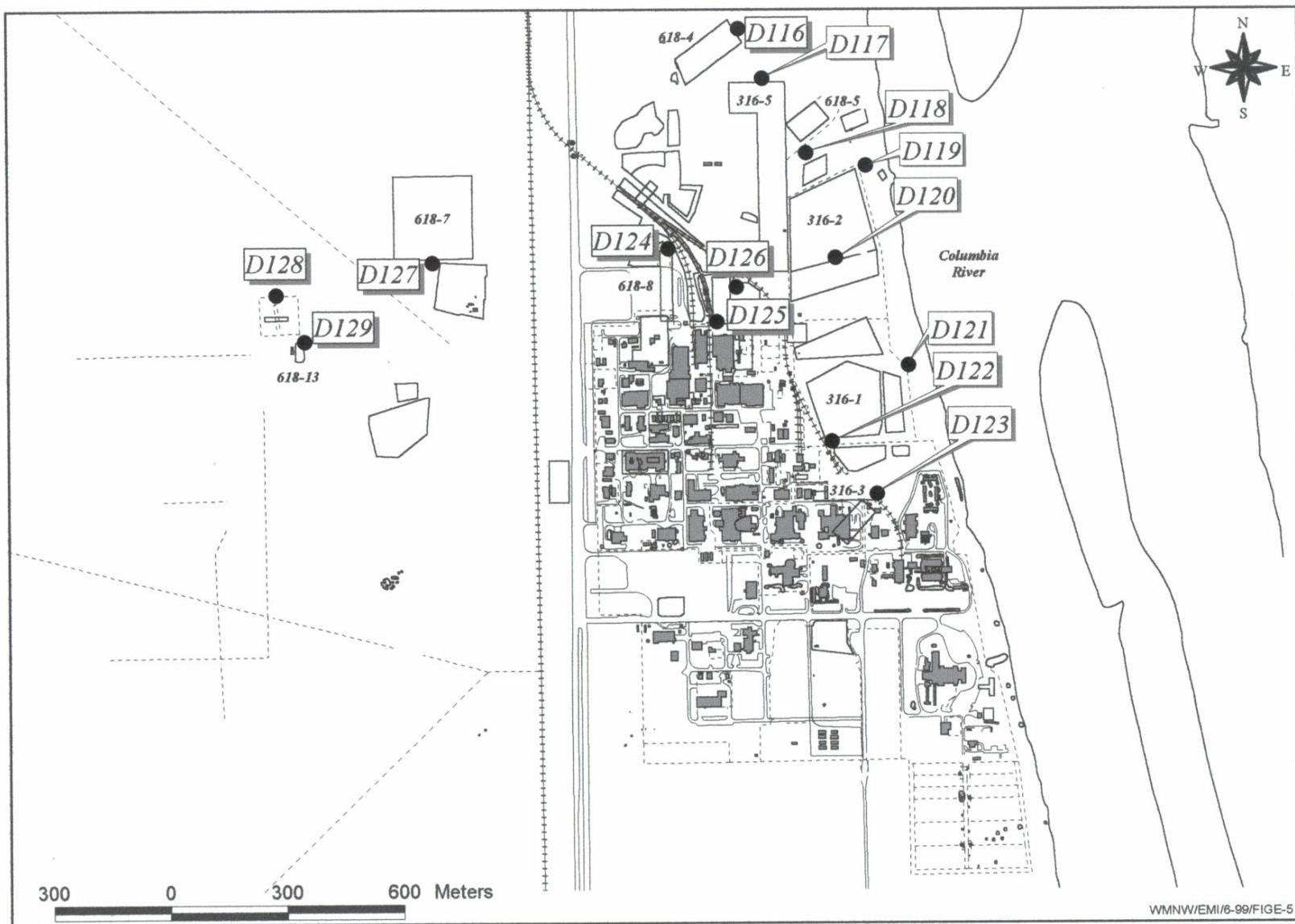


Figure 3-7. 2002 Soil Sampling Locations, 300 Area.



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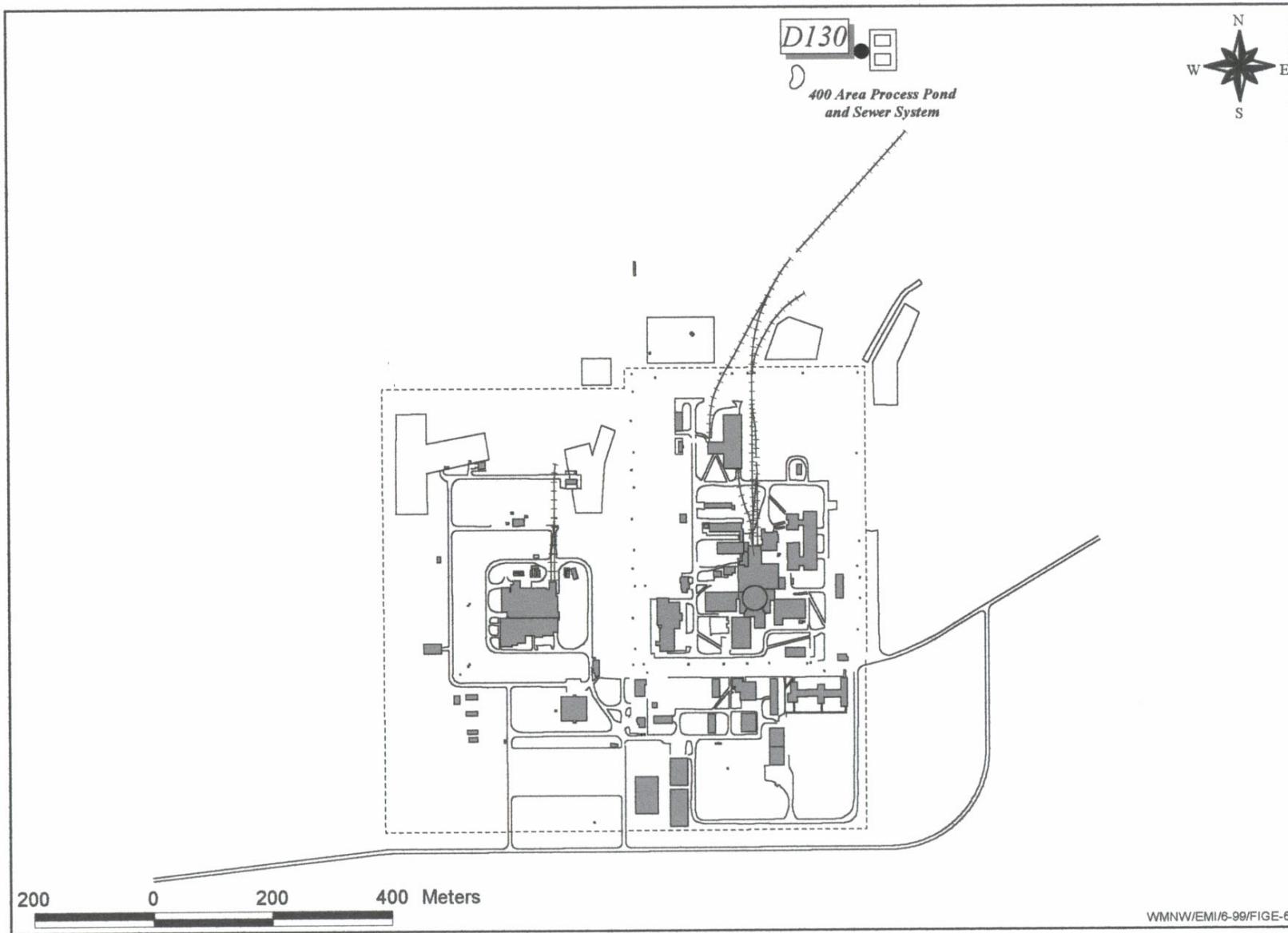


Figure 3-8. 2002 Soil Sampling Locations, 400 Area.

Figure 3-9. 2002 Soil Sampling Locations, 600 Area.

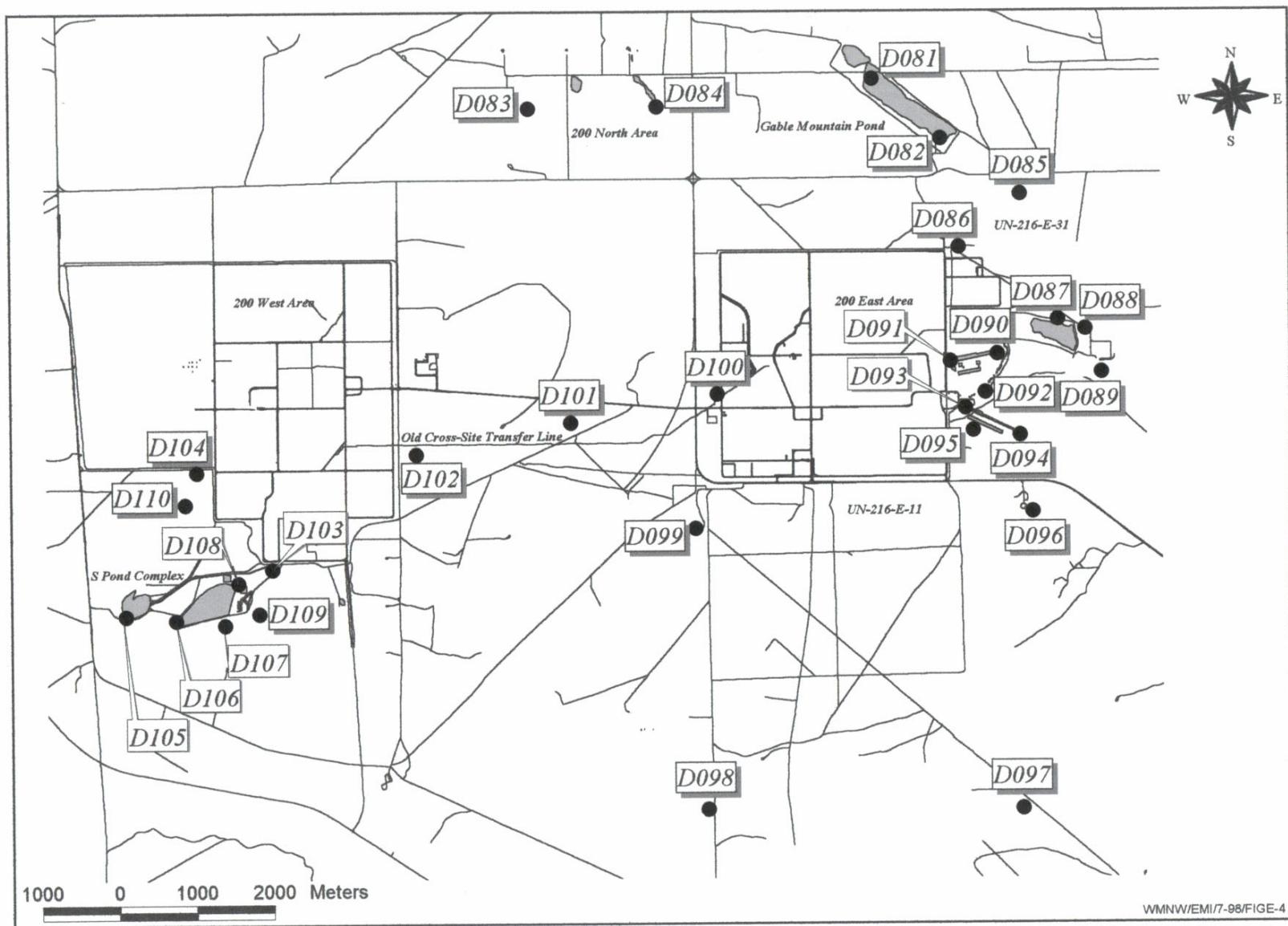


Table 3-2. Average Radionuclide Concentrations (pCi/g^a)
in Hanford Soils, 1995 through 2002.

Year	<u>100 N Area</u>					
	⁶⁰ Co	⁹⁰ Sr	¹³⁷ Cs	²³⁴ U	²³⁸ U	^{239,240} Pu
1995	9.4E-01 ± 3.4E+00	1.3E-01 ± 2.5E-01	5.1E-01 ± 8.4E-01	9.1E-02 ± 3.9E-02	9.7E-02 ± 4.8E-02	1.4E-02 ± 3.1E-02
1996	1.5E+00 ± 3.0E+00	2.0E-01 ± 2.0E-01	7.7E-01 ± 1.1E+00	5.7E-01 ± 2.0E-01	5.7E-01 ± 3.1E-01	4.3E-02 ± 4.2E-02
1997	2.5E+00 ± 8.0E+00	3.4E+00 ± 1.5E+01	8.9E-01 ± 2.4E+00	2.1E-01 ± 9.8E-02	2.1E-01 ± 8.7E-02	5.2E-01 ± 2.5E+00
1998	4.9E+00 ± 2.1E+01	1.0E+00 ± 2.6E+00	3.1E+00 ± 1.1E+01	2.1E-01 ± 1.5E-01	1.7E-01 ± 6.5E-02	1.3E-01 ± 3.0E-01
1999	1.6E+00 ± 4.6E+00	1.9E+00 ± 4.4E+00	8.4E-01 ± 1.8E+00	2.2E-01 ± 7.4E-02	2.0E-01 ± 6.6E-02	2.6E-02 ± 4.3E-02
2000	3.1E+00 ± 5.9E-01	8.4E-01 ± 9.0E-01	2.1E+00 ± 5.0E+00	2.2E-01 ± 7.4E-02	2.2E-01 ± 7.8E-02	5.0E-02 ± 7.7E-02
2001	2.7E-01 ± 6.6E-01	2.0E-01 ± 5.1E-01	3.2E-01 ± 4.4E-01	2.4E-01 ± 8.8E-02	2.5E-01 ± 6.6E-02	2.3E-02 ± 4.0E-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
<u>200/600 Areas</u>						
Year	⁶⁰ Co	⁹⁰ Sr	¹³⁷ Cs	²³⁴ U	²³⁸ U	^{239,240} Pu
1995	3.6E-03 ± 2.6E-02	4.9E-01 ± 1.3E+00	2.7E+00 ± 7.8E+00	1.2E-01 ± 1.2E-01	1.2E-01 ± 1.1E-01	7.0E-02 ± 2.2E-01
1996	3.2E-03 ± 2.6E-02	3.5E-01 ± 1.1E+00	2.0E+00 ± 5.4E+00	1.0E-01 ± 9.0E-02	1.1E-01 ± 8.9E-02	1.6E-01 ± 8.3E-01
1997	1.7E-03 ± 1.7E-02	4.2E-01 ± 1.4E+00	1.7E+00 ± 5.1E+00	2.0E-01 ± 9.6E-02	2.0E-01 ± 8.7E-02	7.1E-02 ± 4.0E-01
1998	1.4E-03 ± 8.8E-03	2.1E-01 ± 6.7E-01	1.0E+00 ± 3.1E+00	1.9E-01 ± 7.0E-02	1.9E-01 ± 7.1E-02	8.4E-02 ± 4.9E-01
1999	Not Detected	5.1E-01 ± 1.9E+00	1.3E+00 ± 3.8E+00	2.3E-01 ± 1.3E-01	2.2E-01 ± 1.3E-01	7.6E-02 ± 2.7E-01
2000	6.0E-03 ± 6.0E-03	9.9E-01 ± 1.3E+00	1.4E+00 ± 3.8E+00	2.3E-01 ± 2.2E-01	2.3E-01 ± 2.2E-01	2.9E-01 ± 2.3E+00
2001	Not Detected	3.1E-01 ± 1.1E+00	1.5E+00 ± 4.0E+00	2.2E-01 ± 1.1E-01	2.2E-01 ± 1.1E-01	9.7E-02 ± 3.7E-01
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
<u>300/400 Area</u>						
Year	⁶⁰ Co	⁹⁰ Sr	¹³⁷ Cs	²³⁴ U	²³⁸ U	^{239,240} Pu
1995	2.2E-03 ± 1.7E-02	4.5E-02 ± 7.5E-02	2.2E-01 ± 4.1E-01	1.9E+00 ± 7.4E+00	1.9E+00 ± 7.7E+00	2.3E-02 ± 9.0E-02
1996	1.7E-03 ± 2.3E-02	3.7E-02 ± 5.1E-02	1.5E-01 ± 3.0E-01	1.3E+00 ± 4.3E+00	1.2E+00 ± 4.2E+00	2.5E-02 ± 1.3E-01
1997	Not Detected	9.3E-02 ± 6.1E-01	6.8E-02 ± 1.2E-01	9.0E-01 ± 3.8E+00	8.8E-01 ± 3.7E+00	1.8E-02 ± 8.2E-02
1998	Not Detected	4.9E-03 ± 2.6E-02	8.6E-02 ± 2.6E-01	1.4E+00 ± 5.3E+00	1.4E+00 ± 5.5E+00	3.3E-02 ± 1.4E-01
1999	Not Detected	8.5E-01 ± 7.0E-01	9.1E-02 ± 9.8E-02	7.0E-01 ± 1.8E+00	6.6E-01 ± 1.8E+00	3.2E-02 ± 4.8E-02
2000	Not Detected	5.6E-01 ± 4.0E-01	9.2E-02 ± 2.3E-01	5.4E+00 ± 2.4E+01	5.4E+00 ± 2.4E+01	6.9E-02 ± 2.1E-01
2001	Not Detected	Not Detected	4.2E-02 ± 8.4E-02	9.4E-01 ± 3.0E+00	9.5E-01 ± 3.1E+00	2.6E-02 ± 1.0E-01
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

a - ± 2 standard deviations.

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty).

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D146	¹⁴⁴ Ce	4.1E-02	±	1.3E-01	U	D150	¹⁴⁴ Ce	-1.1E-01	±	1.2E-01	U
(ERDF)	⁶⁰ Co	5.4E-03	±	5.7E-03	U	(100-B/C)	⁶⁰ Co	-4.9E-03	±	5.7E-03	U
	¹³⁴ Cs	2.4E-02	±	9.5E-03		Remedial	¹³⁴ Cs	4.0E-02	±	1.4E-02	U
	¹³⁷ Cs	4.9E-02	±	1.1E-02		Action)	¹³⁷ Cs	2.0E-01	±	2.9E-02	
	¹⁵² Eu	-2.2E-02	±	3.6E-02	U		¹⁵² Eu	1.3E-01	±	2.0E-02	
	¹⁵⁴ Eu	5.8E-03	±	2.2E-02	U		¹⁵⁴ Eu	5.7E-03	±	2.1E-02	U
	¹⁵⁵ Eu	6.1E-02	±	3.9E-02			¹⁵⁵ Eu	2.2E-02	±	3.0E-02	U
	²³⁸ Pu	1.6E-03	±	1.6E-03	U		²³⁸ Pu	2.0E-03	±	2.0E-02	U
	^{239,240} Pu	6.6E-03	±	6.6E-03			^{239,240} Pu	2.0E-02	±	1.5E-02	
	¹⁰³ Ru	6.0E-04	±	6.0E-03	U		¹⁰³ Ru	1.2E-04	±	1.2E-03	U
	¹⁰⁶ Ru	-1.4E-02	±	5.1E-02	U		¹⁰⁶ Ru	3.2E-02	±	5.1E-02	U
	¹²⁵ Sb	-4.0E-03	±	1.7E-02	U		¹²⁵ Sb	-6.2E-04	±	6.2E-03	U
	¹¹³ Sn	-4.8E-03	±	8.9E-03	U		¹¹³ Sn	-7.3E-03	±	8.1E-03	U
	⁹⁰ Sr	2.8E-01	±	1.3E-01			⁹⁰ Sr	2.3E-01	±	1.2E-01	
	²³⁴ U	1.8E-01	±	5.0E-02			²³⁴ U	1.6E-01	±	4.8E-02	
	²³⁵ U	1.1E-02	±	1.0E-02			²³⁵ U	1.9E-02	±	1.5E-02	
	²³⁸ U	1.9E-01	±	5.3E-02			²³⁸ U	1.6E-01	±	4.8E-02	
	⁶⁵ Zn	7.2E-03	±	1.6E-02	U		⁶⁵ Zn	2.2E-02	±	2.3E-02	U
D160	¹⁴⁴ Ce	-2.2E-02	±	1.2E-01	U	D161	¹⁴⁴ Ce	1.1E-02	±	1.1E-01	U
(100-B/C)	⁶⁰ Co	5.3E-03	±	7.3E-03	U	(100-B/C)	⁶⁰ Co	-9.7E-04	±	6.9E-03	U
Remedial	¹³⁴ Cs	3.9E-02	±	1.2E-02	U	Remedial	¹³⁴ Cs	4.3E-02	±	1.4E-02	U
Action)	¹³⁷ Cs	3.3E-01	±	5.0E-02		Action)	¹³⁷ Cs	6.5E-02	±	1.7E-02	
	¹⁵² Eu	3.8E-01	±	3.6E-02			¹⁵² Eu	4.1E-02	±	1.8E-02	
	¹⁵⁴ Eu	4.2E-02	±	2.6E-02	U		¹⁵⁴ Eu	1.4E-03	±	1.4E-02	U
	¹⁵⁵ Eu	6.4E-02	±	4.4E-02			¹⁵⁵ Eu	5.0E-02	±	3.4E-02	
	²³⁸ Pu	-1.5E-02	±	3.1E-02	U		²³⁸ Pu	-2.4E-02	±	2.4E-02	U
	^{239,240} Pu	1.5E-02	±	1.1E-02			^{239,240} Pu	9.2E-03	±	8.4E-03	
	¹⁰³ Ru	-2.6E-03	±	7.3E-03	U		¹⁰³ Ru	5.8E-03	±	6.2E-03	U
	¹⁰⁶ Ru	-2.9E-02	±	6.6E-02	U		¹⁰⁶ Ru	1.6E-02	±	5.8E-02	U
	¹²⁵ Sb	1.2E-03	±	1.2E-02	U		¹²⁵ Sb	7.5E-03	±	1.7E-02	U
	¹¹³ Sn	-8.8E-04	±	8.8E-03	U		¹¹³ Sn	-6.8E-03	±	8.6E-03	U
	⁹⁰ Sr	5.8E-01	±	1.7E-01			⁹⁰ Sr	1.8E-01	±	1.1E-01	
	²³⁴ U	2.3E-01	±	6.2E-02			²³⁴ U	1.9E-01	±	5.3E-02	
	²³⁵ U	3.0E-02	±	1.7E-02			²³⁵ U	6.2E-03	±	1.1E-02	U
	²³⁸ U	1.8E-01	±	5.2E-02			²³⁸ U	2.2E-01	±	5.7E-02	
	⁶⁵ Zn	9.2E-02	±	3.6E-02	U		⁶⁵ Zn	2.1E-02	±	2.0E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D154	¹⁴⁴ Ce	-7.2E-02	±	1.2E-01	U	D155	¹⁴⁴ Ce	-1.6E-02	±	1.1E-01	U
(100-F)	⁶⁰ Co	4.0E-02	±	8.5E-03		(100-F)	⁶⁰ Co	2.3E-03	±	5.6E-03	U
Remedial	¹³⁴ Cs	2.5E-02	±	1.0E-02	U	Remedial	¹³⁴ Cs	3.3E-02	±	1.1E-02	U
Action)	¹³⁷ Cs	6.0E-01	±	9.2E-02		Action)	¹³⁷ Cs	2.3E-01	±	3.4E-02	
	¹⁵² Eu	2.8E-01	±	2.6E-02			¹⁵² Eu	2.3E-01	±	2.3E-02	
	¹⁵⁴ Eu	5.8E-02	±	3.6E-02	U		¹⁵⁴ Eu	3.0E-02	±	2.1E-02	U
	¹⁵⁵ Eu	4.9E-02	±	3.6E-02	U		¹⁵⁵ Eu	2.0E-02	±	2.7E-02	U
	²³⁸ Pu	2.1E-03	±	2.1E-02	U		²³⁸ Pu	1.5E-02	±	3.6E-02	U
	^{239,240} Pu	3.1E-02	±	1.9E-02			^{239,240} Pu	1.0E-02	±	9.1E-03	
	¹⁰³ Ru	-4.3E-03	±	6.7E-03	U		¹⁰³ Ru	1.9E-03	±	5.5E-03	U
	¹⁰⁶ Ru	-3.2E-02	±	6.3E-02	U		¹⁰⁶ Ru	-2.8E-04	±	2.8E-03	U
	¹²⁵ Sb	1.4E-03	±	1.4E-02	U		¹²⁵ Sb	-9.0E-03	±	1.6E-02	U
	¹¹³ Sn	-2.3E-03	±	9.0E-03	U		¹¹³ Sn	-4.0E-03	±	7.4E-03	U
	⁹⁰ Sr	2.0E-01	±	1.1E-01	U		⁹⁰ Sr	1.0E-01	±	1.2E-01	U
	²³⁴ U	1.3E-01	±	4.2E-02			²³⁴ U	1.6E-01	±	4.6E-02	
	²³⁵ U	2.2E-02	±	1.6E-02			²³⁵ U	9.0E-03	±	9.0E-03	
	²³⁸ U	1.1E-01	±	3.6E-02			²³⁸ U	1.5E-01	±	4.5E-02	
	⁶⁵ Zn	2.4E-02	±	2.8E-02	U		⁶⁵ Zn	3.8E-02	±	1.9E-02	U
D162	¹⁴⁴ Ce	7.1E-03	±	7.1E-02	U	D163	¹⁴⁴ Ce	2.8E-02	±	1.4E-01	U
(100-KR-1)	⁶⁰ Co	1.3E-03	±	6.4E-03	U	(100-KR-1)	⁶⁰ Co	5.4E-03	±	8.5E-03	U
Remedial	¹³⁴ Cs	3.7E-02	±	1.2E-02	U	Remedial	¹³⁴ Cs	4.7E-02	±	1.5E-02	U
Action)	¹³⁷ Cs	1.2E-01	±	2.1E-02		Action)	¹³⁷ Cs	4.1E-01	±	6.7E-02	
	¹⁵² Eu	1.7E-02	±	3.2E-02	U		¹⁵² Eu	2.7E-01	±	3.1E-02	
	¹⁵⁴ Eu	-1.9E-02	±	2.1E-02	U		¹⁵⁴ Eu	-3.7E-03	±	3.3E-02	U
	¹⁵⁵ Eu	2.2E-02	±	2.9E-02	U		¹⁵⁵ Eu	4.7E-02	±	3.6E-02	U
	²³⁸ Pu	-1.9E-02	±	3.0E-02	U		²³⁸ Pu	-1.2E-02	±	2.9E-02	U
	^{239,240} Pu	9.4E-03	±	1.0E-02	U		^{239,240} Pu	2.9E-02	±	1.6E-02	
	¹⁰³ Ru	4.2E-03	±	7.4E-03	U		¹⁰³ Ru	-7.2E-04	±	7.2E-03	U
	¹⁰⁶ Ru	5.9E-02	±	6.3E-02	U		¹⁰⁶ Ru	-5.4E-03	±	5.4E-02	U
	¹²⁵ Sb	2.4E-02	±	1.8E-02	U		¹²⁵ Sb	9.5E-03	±	2.2E-02	U
	¹¹³ Sn	5.1E-03	±	8.3E-03	U		¹¹³ Sn	-1.3E-02	±	1.3E-02	U
	⁹⁰ Sr	2.5E-02	±	8.6E-02	U		⁹⁰ Sr	-3.7E-03	±	3.7E-02	U
	²³⁴ U	1.2E-01	±	3.8E-02			²³⁴ U	1.6E-01	±	4.6E-02	
	²³⁵ U	6.2E-03	±	9.3E-03	U		²³⁵ U	1.4E-02	±	1.1E-02	
	²³⁸ U	1.3E-01	±	3.9E-02			²³⁸ U	1.6E-01	±	4.6E-02	
	⁶⁵ Zn	2.7E-02	±	1.8E-02	U		⁶⁵ Zn	8.5E-02	±	3.6E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D156	¹⁴⁴ Ce	-5.1E-02	±	8.6E-02	U	D156	¹⁴⁴ Ce	1.7E-02	±	1.2E-01	U
(100-NR-1	⁶⁰ Co	6.8E-03	±	6.0E-03	U	(100-NR-1	⁶⁰ Co	3.5E-03	±	7.5E-03	U
Remedial	¹³⁴ Cs	2.3E-02	±	9.4E-03	U	Remedial	¹³⁴ Cs	3.6E-02	±	1.1E-02	U
Action,	¹³⁷ Cs	2.9E-02	±	8.8E-03		Action,	¹³⁷ Cs	1.4E-02	±	1.2E-02	
6/24/02)	¹⁵² Eu	-3.4E-03	±	1.9E-02	U	11/12/02)	¹⁵² Eu	6.6E-03	±	2.8E-02	U
	¹⁵⁴ Eu	-1.9E-02	±	1.9E-02	U		¹⁵⁴ Eu	-6.6E-03	±	2.4E-02	U
	¹⁵⁵ Eu	5.1E-02	±	2.8E-02			¹⁵⁵ Eu	4.4E-02	±	3.5E-02	U
	²³⁸ Pu	-2.6E-02	±	2.9E-02	U		²³⁸ Pu	3.4E-03	±	2.5E-02	U
	^{239,240} Pu	-3.5E-03	±	4.9E-03	U		^{239,240} Pu	6.9E-03	±	8.3E-03	U
	¹⁰³ Ru	2.7E-05	±	2.7E-04	U		¹⁰³ Ru	-6.1E-03	±	6.9E-03	U
	¹⁰⁶ Ru	3.5E-02	±	4.5E-02	U		¹⁰⁶ Ru	-3.9E-02	±	6.5E-02	U
	¹²⁵ Sb	-8.6E-03	±	1.4E-02	U		¹²⁵ Sb	1.6E-02	±	1.9E-02	U
	¹¹³ Sn	-4.8E-04	±	4.8E-03	U		¹¹³ Sn	-1.1E-02	±	1.1E-02	U
	⁹⁰ Sr	-2.0E-01	±	2.0E-01	U		⁹⁰ Sr	1.6E-01	±	1.4E-01	
	²³⁴ U	1.2E-01	±	3.6E-02			²³⁴ U	1.2E-01	±	3.6E-02	
	²³⁵ U	1.4E-02	±	1.0E-02			²³⁵ U	5.2E-03	±	7.3E-03	U
	²³⁸ U	1.3E-01	±	3.9E-02			²³⁸ U	1.0E-01	±	3.2E-02	
	⁶⁵ Zn	2.2E-02	±	2.4E-02	U		⁶⁵ Zn	3.6E-02	±	2.0E-02	U
D157	¹⁴⁴ Ce	-9.7E-02	±	1.3E-01	U	D157	¹⁴⁴ Ce	1.0E-02	±	1.0E-01	U
(100-NR-1	⁶⁰ Co	1.8E+00	±	1.4E-01		(100-NR-1	⁶⁰ Co	2.7E-01	±	2.7E-02	
Remedial	¹³⁴ Cs	3.7E-02	±	1.2E-02	U	Remedial	¹³⁴ Cs	3.6E-02	±	1.4E-02	U
Action,	¹³⁷ Cs	8.5E-01	±	1.1E-01		Action,	¹³⁷ Cs	2.9E-01	±	5.1E-02	
6/24/02)	¹⁵² Eu	-3.7E-03	±	2.4E-02	U	11/12/02)	¹⁵² Eu	8.7E-03	±	3.2E-02	U
	¹⁵⁴ Eu	-7.3E-03	±	2.1E-02	U		¹⁵⁴ Eu	-2.6E-02	±	3.1E-02	U
	¹⁵⁵ Eu	5.3E-02	±	3.4E-02			¹⁵⁵ Eu	5.9E-02	±	4.4E-02	U
	²³⁸ Pu	6.6E-03	±	3.4E-02	U		²³⁸ Pu	2.5E-02	±	3.0E-02	U
	^{239,240} Pu	2.6E-02	±	1.6E-02			^{239,240} Pu	8.2E-03	±	1.3E-02	U
	¹⁰³ Ru	-8.6E-03	±	8.6E-03	U		¹⁰³ Ru	-2.7E-03	±	8.7E-03	U
	¹⁰⁶ Ru	4.1E-02	±	6.7E-02	U		¹⁰⁶ Ru	3.2E-02	±	8.0E-02	U
	¹²⁵ Sb	1.2E-02	±	2.2E-02	U		¹²⁵ Sb	1.3E-02	±	2.9E-02	U
	¹¹³ Sn	-1.8E-03	±	9.9E-03	U		¹¹³ Sn	8.4E-04	±	8.3E-03	U
	⁹⁰ Sr	2.8E-01	±	1.4E-01			⁹⁰ Sr	2.7E-01	±	1.9E-01	
	²³⁴ U	1.1E-01	±	3.6E-02			²³⁴ U	1.1E-01	±	3.2E-02	
	²³⁵ U	5.7E-03	±	1.1E-02	U		²³⁵ U	1.4E-02	±	1.2E-02	
	²³⁸ U	9.1E-02	±	3.3E-02			²³⁸ U	7.4E-02	±	2.5E-02	
	⁶⁵ Zn	-1.8E-02	±	2.2E-02	U		⁶⁵ Zn	2.4E-02	±	2.7E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D158	¹⁴⁴ Ce	-4.1E-02	\pm	1.1E-01	U	D158	¹⁴⁴ Ce	5.4E-02	\pm	1.6E-01	U
(100-NR-1	⁶⁰ Co	4.3E-02	\pm	8.3E-03		(100-NR-1	⁶⁰ Co	7.1E-02	\pm	1.2E-02	
Remedial	¹³⁴ Cs	3.4E-02	\pm	9.6E-03	U	Remedial	¹³⁴ Cs	3.9E-02	\pm	1.4E-02	U
Action,	¹³⁷ Cs	3.7E-02	\pm	1.0E-02		Action,	¹³⁷ Cs	1.5E-01	\pm	2.7E-02	
6/24/02)	¹⁵² Eu	-8.4E-03	\pm	2.6E-02	U	11/12/02)	¹⁵² Eu	-2.1E-02	\pm	4.7E-02	U
	¹⁵⁴ Eu	2.2E-03	\pm	2.2E-02	U		¹⁵⁴ Eu	-1.8E-02	\pm	2.6E-02	U
	¹⁵⁵ Eu	3.6E-02	\pm	3.2E-02	U		¹⁵⁵ Eu	3.6E-02	\pm	4.1E-02	U
	²³⁸ Pu	-9.8E-03	\pm	2.5E-02	U		²³⁸ Pu	8.0E-03	\pm	2.7E-02	U
	^{239,240} Pu	8.2E-03	\pm	9.0E-03	U		^{239,240} Pu	-2.0E-03	\pm	4.0E-03	U
	¹⁰³ Ru	1.5E-04	\pm	1.5E-03	U		¹⁰³ Ru	-1.2E-03	\pm	8.1E-03	U
	¹⁰⁶ Ru	1.1E-02	\pm	5.4E-02	U		¹⁰⁶ Ru	-2.7E-02	\pm	7.1E-02	U
	¹²⁵ Sb	9.2E-03	\pm	1.7E-02	U		¹²⁵ Sb	9.1E-03	\pm	2.3E-02	U
	¹¹³ Sn	-5.4E-04	\pm	5.4E-03	U		¹¹³ Sn	7.2E-04	\pm	7.2E-03	U
	⁹⁰ Sr	2.9E-02	\pm	1.0E-01	U		⁹⁰ Sr	2.1E-01	\pm	1.6E-01	U
	²³⁴ U	1.0E-01	\pm	3.1E-02			²³⁴ U	1.2E-01	\pm	3.4E-02	
	²³⁵ U	1.2E-02	\pm	9.4E-03			²³⁵ U	4.8E-03	\pm	6.7E-03	U
	²³⁸ U	1.2E-01	\pm	3.6E-02			²³⁸ U	1.2E-01	\pm	3.5E-02	
	⁶⁵ Zn	2.4E-03	\pm	1.6E-02	U		⁶⁵ Zn	1.1E-02	\pm	2.3E-02	U
D159	¹⁴⁴ Ce	2.6E-02	\pm	1.5E-01	U	D159	¹⁴⁴ Ce	3.2E-02	\pm	1.5E-01	U
(100-NR-1	⁶⁰ Co	2.4E-01	\pm	2.9E-02		(100-NR-1	⁶⁰ Co	2.2E-01	\pm	2.3E-02	
Remedial	¹³⁴ Cs	3.1E-02	\pm	1.3E-02	U	Remedial	¹³⁴ Cs	3.6E-02	\pm	1.3E-02	U
Action,	¹³⁷ Cs	4.6E-01	\pm	6.8E-02		Action,	¹³⁷ Cs	3.5E-01	\pm	5.5E-02	
6/24/02)	¹⁵² Eu	2.5E-02	\pm	4.1E-02	U	11/12/02)	¹⁵² Eu	1.8E-02	\pm	3.3E-02	U
	¹⁵⁴ Eu	-6.4E-03	\pm	2.5E-02	U		¹⁵⁴ Eu	-2.2E-02	\pm	2.8E-02	U
	¹⁵⁵ Eu	7.4E-03	\pm	3.6E-02	U		¹⁵⁵ Eu	5.2E-02	\pm	3.8E-02	U
	²³⁸ Pu	3.8E-03	\pm	2.8E-02	U		²³⁸ Pu	1.9E-02	\pm	2.7E-02	U
	^{239,240} Pu	3.8E-03	\pm	5.3E-03	U		^{239,240} Pu	2.1E-03	\pm	2.1E-03	U
	¹⁰³ Ru	2.5E-04	\pm	2.5E-03	U		¹⁰³ Ru	-8.6E-04	\pm	8.3E-03	U
	¹⁰⁶ Ru	1.0E-02	\pm	6.1E-02	U		¹⁰⁶ Ru	3.4E-02	\pm	8.0E-02	U
	¹²⁵ Sb	-2.6E-03	\pm	2.1E-02	U		¹²⁵ Sb	-1.3E-03	\pm	1.3E-02	U
	¹¹³ Sn	-3.7E-03	\pm	9.7E-03	U		¹¹³ Sn	-2.2E-03	\pm	1.1E-02	U
	⁹⁰ Sr	-3.3E-02	\pm	1.1E-01	U		⁹⁰ Sr	6.6E-01	\pm	2.0E-01	
	²³⁴ U	1.6E-01	\pm	4.3E-02			²³⁴ U	1.7E-01	\pm	4.9E-02	
	²³⁵ U	1.5E-02	\pm	1.0E-02			²³⁵ U	6.3E-03	\pm	9.4E-03	U
	²³⁸ U	1.1E-01	\pm	3.3E-02			²³⁸ U	1.4E-01	\pm	4.2E-02	
	⁶⁵ Zn	-1.2E-02	\pm	1.9E-02	U		⁶⁵ Zn	1.3E-02	\pm	2.4E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*
Y611 (100-N)	¹⁴⁴ Ce	3.4E-02	±	1.0E-01	U
	⁶⁰ Co	6.3E-02	±	8.4E-03	
	¹³⁴ Cs	3.9E-02	±	9.7E-03	U
	¹³⁷ Cs	1.7E-01	±	2.4E-02	
	¹⁵² Eu	1.2E-02	±	1.6E-02	U
	¹⁵⁴ Eu	-1.2E-02	±	1.8E-02	U
	¹⁵⁵ Eu	5.1E-02	±	3.3E-02	
	²³⁸ Pu	-3.4E-03	±	2.7E-02	U
	^{239,240} Pu	5.1E-03	±	7.7E-03	U
	¹⁰³ Ru	-3.4E-03	±	4.9E-03	U
	¹⁰⁶ Ru	-1.5E-03	±	1.5E-02	U
	¹²⁵ Sb	5.8E-03	±	1.5E-02	U
	¹¹³ Sn	5.4E-04	±	5.4E-03	U
	⁹⁰ Sr	-5.3E-02	±	1.2E-01	U
	²³⁴ U	1.5E-01	±	4.4E-02	
D002 (200 West)	²³⁵ U	1.4E-02	±	1.2E-02	U
	²³⁸ U	1.0E-01	±	3.2E-02	
	⁶⁵ Zn	-1.0E-02	±	1.3E-02	U
	¹⁴⁴ Ce	-5.1E-02	±	9.6E-02	U
	⁶⁰ Co	-2.7E-03	±	5.8E-03	U
	¹³⁴ Cs	3.0E-02	±	1.1E-02	
	¹³⁷ Cs	1.5E-01	±	2.6E-02	
	¹⁵² Eu	-9.3E-03	±	2.0E-02	U
	¹⁵⁴ Eu	-2.1E-02	±	2.1E-02	U
	¹⁵⁵ Eu	5.2E-02	±	2.9E-02	
	²³⁸ Pu	1.8E-03	±	1.8E-02	U
	^{239,240} Pu	5.3E-02	±	2.3E-02	
	¹⁰³ Ru	-1.2E-03	±	5.3E-03	U
	¹⁰⁶ Ru	-3.8E-02	±	5.1E-02	U
	¹²⁵ Sb	3.3E-03	±	1.5E-02	U
	¹¹³ Sn	-6.7E-03	±	7.1E-03	U
D004 (200 West)	⁹⁰ Sr	2.6E-01	±	1.6E-01	
	²³⁴ U	1.5E-01	±	4.4E-02	
	²³⁵ U	1.1E-02	±	1.0E-02	
	²³⁸ U	1.2E-01	±	4.0E-02	
	⁶⁵ Zn	1.9E-02	±	1.6E-02	U
	¹⁴⁴ Ce	-1.3E-01	±	1.5E-01	U
	⁶⁰ Co	1.1E-03	±	6.2E-03	U
	¹³⁴ Cs	3.5E-02	±	1.1E-02	
	¹³⁷ Cs	7.2E-01	±	1.0E-01	
	¹⁵² Eu	-2.9E-03	±	2.9E-02	U
	¹⁵⁴ Eu	-4.2E-03	±	2.3E-02	U
	¹⁵⁵ Eu	-2.4E-02	±	3.4E-02	U
	²³⁸ Pu	1.3E-02	±	3.1E-02	U
	^{239,240} Pu	4.1E-02	±	1.9E-02	
	¹⁰³ Ru	-5.8E-03	±	6.8E-03	U
	¹⁰⁶ Ru	-3.6E-02	±	5.6E-02	U
	¹²⁵ Sb	-4.7E-03	±	2.0E-02	U
	¹¹³ Sn	-2.0E-03	±	9.3E-03	U
	⁹⁰ Sr	6.2E-02	±	1.5E-01	U
	²³⁴ U	1.3E-01	±	4.2E-02	
	²³⁵ U	8.6E-03	±	1.2E-02	U
	²³⁸ U	1.4E-01	±	4.2E-02	
	⁶⁵ Zn	8.8E-03	±	1.6E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D006 (200 West)	¹⁴⁴ Ce	2.5E-02	\pm	1.1E-01	U	D008 (200 West)	¹⁴⁴ Ce	3.5E-02	\pm	1.0E-01	U
	⁶⁰ Co	-2.8E-03	\pm	5.7E-03	U		⁶⁰ Co	-2.7E-03	\pm	4.6E-03	U
	¹³⁴ Cs	3.6E-02	\pm	1.3E-02			¹³⁴ Cs	3.3E-02	\pm	9.9E-03	
	¹³⁷ Cs	1.1E-01	\pm	2.1E-02			¹³⁷ Cs	9.4E-02	\pm	1.5E-02	
	¹⁵² Eu	-2.6E-04	\pm	2.6E-03	U		¹⁵² Eu	6.6E-03	\pm	1.8E-02	U
	¹⁵⁴ Eu	-2.2E-02	\pm	2.2E-02	U		¹⁵⁴ Eu	5.1E-03	\pm	1.8E-02	U
	¹⁵⁵ Eu	2.6E-02	\pm	3.0E-02	U		¹⁵⁵ Eu	3.1E-02	\pm	2.6E-02	U
	²³⁸ Pu	3.8E-03	\pm	2.9E-02	U		²³⁸ Pu	2.5E-02	\pm	2.7E-02	U
	^{239,240} Pu	3.2E-02	\pm	1.8E-02			^{239,240} Pu	2.4E+00	\pm	4.8E-01	
	¹⁰³ Ru	3.6E-03	\pm	5.6E-03	U		¹⁰³ Ru	-3.1E-03	\pm	4.8E-03	U
	¹⁰⁶ Ru	-3.9E-02	\pm	5.2E-02	U		¹⁰⁶ Ru	-6.0E-03	\pm	4.1E-02	U
	¹²⁵ Sb	-3.6E-03	\pm	1.6E-02	U		¹²⁵ Sb	-4.9E-03	\pm	1.4E-02	U
	¹¹³ Sn	8.4E-04	\pm	8.3E-03	U		¹¹³ Sn	-3.5E-03	\pm	6.6E-03	U
	⁹⁰ Sr	7.5E-02	\pm	1.2E-01	U		⁹⁰ Sr	1.1E-01	\pm	1.6E-01	U
	²³⁴ U	1.2E-01	\pm	3.6E-02			²³⁴ U	1.1E-01	\pm	3.5E-02	
	²³⁵ U	1.1E-02	\pm	9.2E-03			²³⁵ U	1.5E-02	\pm	1.2E-02	
	²³⁸ U	9.0E-02	\pm	3.0E-02			²³⁸ U	1.4E-01	\pm	4.1E-02	
	⁶⁵ Zn	-8.1E-03	\pm	1.5E-02	U		⁶⁵ Zn	-1.4E-02	\pm	1.4E-02	U
D010 (200 West)	¹⁴⁴ Ce	3.9E-02	\pm	1.0E-01	U	D012 (200 West)	¹⁴⁴ Ce	-6.7E-02	\pm	1.2E-01	U
	⁶⁰ Co	-1.6E-03	\pm	4.8E-03	U		⁶⁰ Co	3.1E-04	\pm	3.1E-03	U
	¹³⁴ Cs	2.9E-02	\pm	1.0E-02			¹³⁴ Cs	3.2E-02	\pm	8.4E-03	
	¹³⁷ Cs	4.9E-01	\pm	6.5E-02			¹³⁷ Cs	2.6E+00	\pm	3.3E-01	
	¹⁵² Eu	2.8E-02	\pm	2.0E-02			¹⁵² Eu	-1.6E-02	\pm	2.2E-02	U
	¹⁵⁴ Eu	6.3E-03	\pm	1.6E-02	U		¹⁵⁴ Eu	-4.4E-03	\pm	1.7E-02	U
	¹⁵⁵ Eu	2.4E-02	\pm	2.6E-02	U		¹⁵⁵ Eu	3.5E-02	\pm	3.5E-02	U
	²³⁸ Pu	1.3E-02	\pm	2.5E-02	U		²³⁸ Pu	7.2E-03	\pm	1.9E-02	U
	^{239,240} Pu	6.6E-02	\pm	2.6E-02			^{239,240} Pu	3.2E-02	\pm	1.6E-02	
	¹⁰³ Ru	4.7E-04	\pm	4.7E-03	U		¹⁰³ Ru	-4.3E-03	\pm	6.9E-03	U
	¹⁰⁶ Ru	2.3E-02	\pm	4.9E-02	U		¹⁰⁶ Ru	2.5E-02	\pm	5.4E-02	U
	¹²⁵ Sb	7.8E-03	\pm	1.6E-02	U		¹²⁵ Sb	6.1E-03	\pm	2.1E-02	U
	¹¹³ Sn	-1.0E-02	\pm	1.0E-02	U		¹¹³ Sn	-2.3E-03	\pm	9.4E-03	U
	⁹⁰ Sr	-1.5E-02	\pm	1.4E-01	U		⁹⁰ Sr	1.6E-01	\pm	1.4E-01	U
	²³⁴ U	1.7E-01	\pm	4.8E-02			²³⁴ U	1.3E-01	\pm	3.9E-02	
	²³⁵ U	7.8E-03	\pm	1.2E-02	U		²³⁵ U	9.2E-03	\pm	1.0E-02	U
	²³⁸ U	1.4E-01	\pm	4.2E-02			²³⁸ U	1.4E-01	\pm	4.1E-02	
	⁶⁵ Zn	-3.0E-03	\pm	1.3E-02	U		⁶⁵ Zn	-5.2E-03	\pm	1.4E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D014	¹⁴⁴ Ce	-7.9E-02	\pm	1.3E-01	U	D016	¹⁴⁴ Ce	-3.5E-02	\pm	1.1E-01	U
(200 West)	⁶⁰ Co	6.4E-04	\pm	6.0E-03	U	(200 West)	⁶⁰ Co	-3.5E-04	\pm	3.4E-03	U
	¹³⁴ Cs	2.8E-02	\pm	9.7E-03			¹³⁴ Cs	3.2E-02	\pm	1.5E-02	
	¹³⁷ Cs	3.3E+00	\pm	4.6E-01			¹³⁷ Cs	1.8E+00	\pm	2.8E-01	
	¹⁵² Eu	-5.1E-02	\pm	5.1E-02	U		¹⁵² Eu	-1.2E-02	\pm	2.3E-02	U
	¹⁵⁴ Eu	-2.3E-02	\pm	2.3E-02	U		¹⁵⁴ Eu	1.2E-03	\pm	1.2E-02	U
	¹⁵⁵ Eu	2.7E-02	\pm	3.2E-02	U		¹⁵⁵ Eu	2.1E-02	\pm	2.8E-02	U
	²³⁸ Pu	1.8E-03	\pm	1.8E-02	U		²³⁸ Pu	-2.0E-02	\pm	3.0E-02	U
	^{239,240} Pu	2.9E-02	\pm	1.6E-02			^{239,240} Pu	2.1E-02	\pm	1.4E-02	
	¹⁰³ Ru	1.4E-02	\pm	1.2E-02			¹⁰³ Ru	-1.3E-03	\pm	7.2E-03	U
	¹⁰⁶ Ru	-4.7E-02	\pm	6.7E-02	U		¹⁰⁶ Ru	3.2E-02	\pm	6.1E-02	U
	¹²⁵ Sb	1.6E-02	\pm	2.5E-02	U		¹²⁵ Sb	-5.7E-03	\pm	2.1E-02	U
	¹¹³ Sn	6.3E-03	\pm	1.1E-02	U		¹¹³ Sn	-7.1E-03	\pm	9.4E-03	U
	⁹⁰ Sr	1.1E-01	\pm	1.4E-01	U		⁹⁰ Sr	2.9E-02	\pm	1.1E-01	U
	²³⁴ U	1.7E-01	\pm	4.6E-02			²³⁴ U	2.0E-01	\pm	5.4E-02	
	²³⁵ U	1.1E-02	\pm	9.2E-03			²³⁵ U	2.4E-02	\pm	1.5E-02	
	²³⁸ U	1.7E-01	\pm	4.6E-02			²³⁸ U	2.3E-01	\pm	6.0E-02	
	⁶⁵ Zn	2.8E-02	\pm	1.7E-02			⁶⁵ Zn	5.4E-03	\pm	1.7E-02	U
D018	¹⁴⁴ Ce	9.1E-02	\pm	1.3E-01	U	D020	¹⁴⁴ Ce	-2.1E-02	\pm	1.2E-01	U
(200 West)	⁶⁰ Co	1.5E-03	\pm	5.3E-03	U	(200 West)	⁶⁰ Co	-4.8E-06	\pm	4.8E-05	U
	¹³⁴ Cs	2.3E-02	\pm	9.3E-03			¹³⁴ Cs	2.9E-02	\pm	1.2E-02	
	¹³⁷ Cs	9.5E-01	\pm	1.4E-01			¹³⁷ Cs	6.1E-01	\pm	9.3E-02	
	¹⁵² Eu	1.0E-03	\pm	1.0E-02	U		¹⁵² Eu	8.4E-03	\pm	2.8E-02	U
	¹⁵⁴ Eu	-2.7E-02	\pm	2.7E-02	U		¹⁵⁴ Eu	-1.5E-02	\pm	2.1E-02	U
	¹⁵⁵ Eu	4.3E-02	\pm	3.0E-02	U		¹⁵⁵ Eu	6.6E-02	\pm	4.7E-02	
	²³⁸ Pu	1.3E-02	\pm	2.7E-02	U		²³⁸ Pu	-1.7E-03	\pm	1.7E-02	U
	^{239,240} Pu	7.4E-02	\pm	2.9E-02			^{239,240} Pu	1.7E-02	\pm	1.2E-02	
	¹⁰³ Ru	-3.1E-03	\pm	6.4E-03	U		¹⁰³ Ru	-3.4E-03	\pm	6.5E-03	U
	¹⁰⁶ Ru	2.1E-02	\pm	6.0E-02	U		¹⁰⁶ Ru	3.5E-03	\pm	3.5E-02	U
	¹²⁵ Sb	1.5E-02	\pm	1.9E-02	U		¹²⁵ Sb	-2.1E-03	\pm	1.9E-02	U
	¹¹³ Sn	2.7E-03	\pm	8.5E-03	U		¹¹³ Sn	-5.6E-03	\pm	8.7E-03	U
	⁹⁰ Sr	1.6E-01	\pm	1.2E-01			⁹⁰ Sr	1.9E-01	\pm	1.3E-01	
	²³⁴ U	1.6E-01	\pm	4.6E-02			²³⁴ U	1.8E-01	\pm	5.0E-02	
	²³⁵ U	2.0E-02	\pm	1.4E-02			²³⁵ U	6.5E-03	\pm	9.8E-03	U
	²³⁸ U	1.6E-01	\pm	4.6E-02			²³⁸ U	1.9E-01	\pm	5.3E-02	
	⁶⁵ Zn	-4.9E-03	\pm	1.5E-02	U		⁶⁵ Zn	-2.0E-04	\pm	2.0E-03	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D022	¹⁴⁴ Ce	4.4E-04	\pm	4.4E-03	U	D024	¹⁴⁴ Ce	6.0E-03	\pm	6.0E-02	U
(200 West)	⁶⁰ Co	4.7E-03	\pm	5.1E-03	U	(200 West)	⁶⁰ Co	2.4E-03	\pm	8.9E-03	U
	¹³⁴ Cs	3.4E-02	\pm	1.0E-02			¹³⁴ Cs	3.0E-02	\pm	1.2E-02	
	¹³⁷ Cs	2.0E+00	\pm	2.5E-01			¹³⁷ Cs	3.6E+00	\pm	5.0E-01	
	¹⁵² Eu	-1.6E-02	\pm	2.1E-02	U		¹⁵² Eu	-4.2E-02	\pm	4.2E-02	U
	¹⁵⁴ Eu	1.8E-02	\pm	2.0E-02	U		¹⁵⁴ Eu	-1.7E-02	\pm	2.4E-02	U
	¹⁵⁵ Eu	2.0E-02	\pm	2.8E-02	U		¹⁵⁵ Eu	3.2E-02	\pm	4.3E-02	U
	²³⁸ Pu	2.2E-01	\pm	6.6E-02			²³⁸ Pu	-2.7E-02	\pm	3.2E-02	
	^{239,240} Pu	1.0E-01	\pm	3.3E-02			^{239,240} Pu	4.0E-01	\pm	9.6E-02	
	¹⁰³ Ru	-1.4E-03	\pm	7.5E-03	U		¹⁰³ Ru	-5.1E-03	\pm	1.0E-02	U
	¹⁰⁶ Ru	8.1E-02	\pm	7.5E-02	U		¹⁰⁶ Ru	2.8E-02	\pm	8.0E-02	U
	¹²⁵ Sb	-6.8E-03	\pm	2.0E-02	U		¹²⁵ Sb	1.6E-02	\pm	3.1E-02	U
	¹¹³ Sn	-9.6E-03	\pm	9.6E-03	U		¹¹³ Sn	-5.0E-03	\pm	1.3E-02	U
	⁹⁰ Sr	4.4E-01	\pm	1.5E-01			⁹⁰ Sr	3.4E-01	\pm	1.4E-01	
	²³⁴ U	1.8E-01	\pm	5.0E-02			²³⁴ U	1.8E-01	\pm	5.4E-02	
	²³⁵ U	1.8E-02	\pm	1.3E-02			²³⁵ U	2.3E-03	\pm	1.8E-02	U
	²³⁸ U	1.5E-01	\pm	4.5E-02			²³⁸ U	1.8E-01	\pm	5.2E-02	
	⁶⁵ Zn	-5.4E-03	\pm	1.3E-02	U		⁶⁵ Zn	3.5E-02	\pm	2.1E-02	
D026	¹⁴⁴ Ce	-5.2E-02	\pm	1.1E-01	U	D028	¹⁴⁴ Ce	4.5E-02	\pm	1.4E-01	U
(200 West)	⁶⁰ Co	-1.2E-03	\pm	6.1E-03	U	(200 West)	⁶⁰ Co	6.1E-03	\pm	5.3E-03	U
	¹³⁴ Cs	3.8E-02	\pm	1.1E-02			¹³⁴ Cs	2.4E-02	\pm	1.0E-02	
	¹³⁷ Cs	1.7E+00	\pm	2.7E-01			¹³⁷ Cs	1.8E+00	\pm	2.6E-01	
	¹⁵² Eu	4.8E-03	\pm	2.9E-02	U		¹⁵² Eu	-9.9E-03	\pm	3.5E-02	U
	¹⁵⁴ Eu	-1.7E-02	\pm	2.0E-02	U		¹⁵⁴ Eu	-1.4E-02	\pm	1.7E-02	U
	¹⁵⁵ Eu	3.1E-02	\pm	3.3E-02	U		¹⁵⁵ Eu	-1.9E-02	\pm	3.3E-02	U
	²³⁸ Pu	5.7E-03	\pm	2.8E-02	U		²³⁸ Pu	3.4E-03	\pm	2.2E-02	U
	^{239,240} Pu	7.5E-01	\pm	1.6E-01			^{239,240} Pu	2.6E-02	\pm	1.4E-02	
	¹⁰³ Ru	3.0E-03	\pm	6.9E-03	U		¹⁰³ Ru	-1.2E-03	\pm	7.0E-03	U
	¹⁰⁶ Ru	-8.8E-02	\pm	8.8E-02	U		¹⁰⁶ Ru	-4.1E-03	\pm	4.1E-02	U
	¹²⁵ Sb	-1.6E-03	\pm	1.6E-02	U		¹²⁵ Sb	6.8E-03	\pm	2.1E-02	U
	¹¹³ Sn	-5.9E-03	\pm	8.8E-03	U		¹¹³ Sn	2.3E-03	\pm	9.4E-03	U
	⁹⁰ Sr	5.8E-01	\pm	1.4E-01			⁹⁰ Sr	3.6E-01	\pm	1.6E-01	
	²³⁴ U	1.3E-01	\pm	3.9E-02			²³⁴ U	1.4E-01	\pm	4.2E-02	
	²³⁵ U	1.9E-02	\pm	1.3E-02			²³⁵ U	2.5E-02	\pm	1.6E-02	
	²³⁸ U	1.4E-01	\pm	4.1E-02			²³⁸ U	1.5E-01	\pm	4.5E-02	
	⁶⁵ Zn	8.0E-03	\pm	1.6E-02	U		⁶⁵ Zn	-2.1E-03	\pm	1.5E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D030	¹⁴⁴ Ce	-4.4E-03	\pm	4.4E-02	U	D032	¹⁴⁴ Ce	7.6E-03	\pm	7.6E-02	U
(200 West)	⁶⁰ Co	1.2E-03	\pm	6.9E-03	U	(200 West)	⁶⁰ Co	-3.4E-03	\pm	6.1E-03	U
	¹³⁴ Cs	3.9E-02	\pm	1.1E-02			¹³⁴ Cs	2.6E-02	\pm	9.0E-03	
	¹³⁷ Cs	5.9E-01	\pm	9.0E-02			¹³⁷ Cs	5.3E+00	\pm	7.4E-01	
	¹⁵² Eu	1.3E-02	\pm	2.6E-02	U		¹⁵² Eu	-4.3E-03	\pm	3.7E-02	U
	¹⁵⁴ Eu	-6.1E-03	\pm	2.1E-02	U		¹⁵⁴ Eu	-1.3E-02	\pm	2.0E-02	U
	¹⁵⁵ Eu	2.5E-02	\pm	2.8E-02	U		¹⁵⁵ Eu	4.0E-02	\pm	3.6E-02	U
	²³⁸ Pu	1.6E-02	\pm	2.7E-02	U		²³⁸ Pu	1.4E-02	\pm	3.6E-02	U
	^{239,240} Pu	5.5E-02	\pm	2.4E-02			^{239,240} Pu	9.4E-01	\pm	2.0E-01	
	¹⁰³ Ru	-2.5E-04	\pm	2.5E-03	U		¹⁰³ Ru	-5.5E-03	\pm	1.1E-02	U
	¹⁰⁶ Ru	-1.8E-02	\pm	5.3E-02	U		¹⁰⁶ Ru	4.6E-02	\pm	7.5E-02	U
	¹²⁵ Sb	5.3E-03	\pm	1.7E-02	U		¹²⁵ Sb	-8.6E-04	\pm	8.6E-03	U
	¹¹³ Sn	-1.4E-03	\pm	7.9E-03	U		¹¹³ Sn	-9.6E-03	\pm	1.3E-02	U
	⁹⁰ Sr	6.8E-02	\pm	1.2E-01	U		⁹⁰ Sr	1.2E+00	\pm	2.5E-01	
	²³⁴ U	1.7E-01	\pm	4.8E-02			²³⁴ U	1.7E-01	\pm	4.8E-02	
	²³⁵ U	2.1E-02	\pm	1.4E-02			²³⁵ U	6.4E-03	\pm	7.7E-03	
	²³⁸ U	1.6E-01	\pm	4.6E-02			²³⁸ U	2.1E-01	\pm	5.7E-02	
	⁶⁵ Zn	-6.9E-03	\pm	1.5E-02	U		⁶⁵ Zn	2.4E-02	\pm	1.8E-02	U
D034	¹⁴⁴ Ce	-1.6E-01	\pm	1.6E-01	U	D036	¹⁴⁴ Ce	-2.0E-02	\pm	1.3E-01	U
(200 West)	⁶⁰ Co	5.0E-03	\pm	7.1E-03	U	(200 West)	⁶⁰ Co	-5.0E-03	\pm	5.6E-03	U
	¹³⁴ Cs	3.8E-02	\pm	1.5E-02			¹³⁴ Cs	3.5E-02	\pm	1.2E-02	
	¹³⁷ Cs	7.3E+00	\pm	1.1E+00			¹³⁷ Cs	2.2E-01	\pm	3.4E-02	
	¹⁵² Eu	-2.9E-02	\pm	3.3E-02	U		¹⁵² Eu	3.5E-03	\pm	3.5E-02	U
	¹⁵⁴ Eu	4.2E-03	\pm	2.5E-02	U		¹⁵⁴ Eu	-2.2E-02	\pm	2.2E-02	U
	¹⁵⁵ Eu	4.3E-02	\pm	3.8E-02	U		¹⁵⁵ Eu	1.4E-02	\pm	3.2E-02	U
	²³⁸ Pu	9.7E-03	\pm	3.4E-02	U		²³⁸ Pu	-4.4E-03	\pm	4.1E-02	U
	^{239,240} Pu	7.4E-01	\pm	1.6E-01			^{239,240} Pu	2.2E-03	\pm	2.2E-03	
	¹⁰³ Ru	-1.1E-02	\pm	1.2E-02	U		¹⁰³ Ru	-1.8E-03	\pm	6.9E-03	U
	¹⁰⁶ Ru	-2.1E-02	\pm	7.9E-02	U		¹⁰⁶ Ru	-4.2E-02	\pm	5.2E-02	U
	¹²⁵ Sb	1.2E-02	\pm	3.2E-02	U		¹²⁵ Sb	2.4E-02	\pm	1.8E-02	U
	¹¹³ Sn	-3.7E-03	\pm	1.4E-02	U		¹¹³ Sn	3.1E-05	\pm	3.1E-04	U
	⁹⁰ Sr	7.8E-01	\pm	1.6E-01			⁹⁰ Sr	2.0E-01	\pm	1.6E-01	
	²³⁴ U	1.8E-01	\pm	4.9E-02			²³⁴ U	1.5E-01	\pm	4.4E-02	
	²³⁵ U	2.4E-02	\pm	1.5E-02			²³⁵ U	1.0E-02	\pm	9.1E-03	
	²³⁸ U	2.0E-01	\pm	5.4E-02			²³⁸ U	1.7E-01	\pm	4.8E-02	
	⁶⁵ Zn	1.8E-02	\pm	1.7E-02	U		⁶⁵ Zn	6.0E-03	\pm	1.6E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D038	¹⁴⁴ Ce	-5.9E-02	±	1.1E-01	U	D038	¹⁴⁴ Ce	4.2E-02	±	1.2E-01	U
(200 West)	⁶⁰ Co	-1.7E-03	±	6.0E-03	U	(200 West,	⁶⁰ Co	7.2E-03	±	6.0E-03	U
	¹³⁴ Cs	4.1E-02	±	1.2E-02		duplicate)	¹³⁴ Cs	3.0E-02	±	1.2E-02	
	¹³⁷ Cs	1.4E+00	±	2.1E-01			¹³⁷ Cs	2.5E+00	±	3.8E-01	
	¹⁵² Eu	-5.6E-03	±	2.8E-02	U		¹⁵² Eu	2.8E-03	±	2.5E-02	U
	¹⁵⁴ Eu	-2.3E-03	±	2.2E-02	U		¹⁵⁴ Eu	-1.8E-02	±	2.0E-02	U
	¹⁵⁵ Eu	4.3E-02	±	3.6E-02			¹⁵⁵ Eu	2.5E-02	±	2.8E-02	U
	²³⁸ Pu	5.1E-03	±	6.1E-03			²³⁸ Pu	-3.4E-03	±	8.5E-03	U
	^{239,240} Pu	2.7E-02	±	1.4E-02			^{239,240} Pu	2.9E-02	±	1.4E-02	
	¹⁰³ Ru	1.6E-03	±	9.0E-03	U		¹⁰³ Ru	-7.8E-03	±	1.0E-02	U
	¹⁰⁶ Ru	2.7E-02	±	5.7E-02	U		¹⁰⁶ Ru	1.9E-02	±	6.3E-02	U
	¹²⁵ Sb	1.2E-02	±	1.9E-02	U		¹²⁵ Sb	2.5E-02	±	2.2E-02	U
	¹¹³ Sn	-8.7E-03	±	9.5E-03	U		¹¹³ Sn	1.1E-02	±	1.1E-02	U
	⁹⁰ Sr	4.9E-01	±	1.5E-01			⁹⁰ Sr	8.8E-02	±	9.7E-02	U
	²³⁴ U	1.5E-01	±	4.5E-02			²³⁴ U	2.1E-01	±	5.7E-02	
	²³⁵ U	1.9E-02	±	1.3E-02			²³⁵ U	2.4E-02	±	1.8E-02	U
	²³⁸ U	1.6E-01	±	4.6E-02			²³⁸ U	2.0E-01	±	5.6E-02	
	⁶⁵ Zn	1.5E-02	±	1.6E-02	U		⁶⁵ Zn	4.8E-03	±	1.7E-02	U
D040	¹⁴⁴ Ce	1.7E-02	±	1.0E-01	U	D042	¹⁴⁴ Ce	5.1E-02	±	1.2E-01	U
(200 West)	⁶⁰ Co	5.2E-03	±	5.8E-03	U	(200 West)	⁶⁰ Co	-3.8E-04	±	3.7E-03	U
	¹³⁴ Cs	2.7E-02	±	8.8E-03			¹³⁴ Cs	3.9E-02	±	1.2E-02	
	¹³⁷ Cs	4.4E-01	±	6.8E-02			¹³⁷ Cs	3.0E-01	±	4.4E-02	
	¹⁵² Eu	1.0E-02	±	2.4E-02	U		¹⁵² Eu	-1.2E-02	±	2.7E-02	U
	¹⁵⁴ Eu	2.2E-02	±	2.1E-02	U		¹⁵⁴ Eu	-2.0E-02	±	2.3E-02	U
	¹⁵⁵ Eu	2.7E-02	±	3.2E-02	U		¹⁵⁵ Eu	6.6E-02	±	3.5E-02	
	²³⁸ Pu	-1.3E-02	±	3.4E-02	U		²³⁸ Pu	-2.0E-02	±	3.4E-02	U
	^{239,240} Pu	4.6E-02	±	2.2E-02			^{239,240} Pu	5.2E-02	±	2.4E-02	
	¹⁰³ Ru	9.6E-04	±	6.3E-03	U		¹⁰³ Ru	-5.4E-03	±	7.8E-03	U
	¹⁰⁶ Ru	2.0E-02	±	5.3E-02	U		¹⁰⁶ Ru	1.2E-02	±	6.2E-02	U
	¹²⁵ Sb	-1.1E-03	±	1.1E-02	U		¹²⁵ Sb	-5.3E-03	±	1.9E-02	U
	¹¹³ Sn	-1.1E-03	±	7.7E-03	U		¹¹³ Sn	-3.2E-03	±	9.4E-03	U
	⁹⁰ Sr	5.7E-02	±	1.2E-01	U		⁹⁰ Sr	1.3E-01	±	1.4E-01	U
	²³⁴ U	1.5E-01	±	4.4E-02			²³⁴ U	1.5E-01	±	4.2E-02	
	²³⁵ U	9.7E-03	±	8.8E-03			²³⁵ U	1.2E-02	±	9.4E-03	
	²³⁸ U	1.7E-01	±	4.8E-02			²³⁸ U	1.6E-01	±	4.3E-02	
	⁶⁵ Zn	7.4E-03	±	1.5E-02	U		⁶⁵ Zn	3.9E-02	±	2.0E-02	

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D044	¹⁴⁴ Ce	-5.9E-03	\pm	5.9E-02	U	D046	¹⁴⁴ Ce	1.6E-02	\pm	1.4E-01	U
(200 West)	⁶⁰ Co	4.5E-03	\pm	6.7E-03	U	(200 West)	⁶⁰ Co	1.1E-03	\pm	6.2E-03	U
	¹³⁴ Cs	2.6E-02	\pm	1.0E-02			¹³⁴ Cs	3.3E-02	\pm	1.1E-02	
	¹³⁷ Cs	5.1E+00	\pm	8.0E-01			¹³⁷ Cs	1.3E-01	\pm	2.3E-02	
	¹⁵² Eu	-1.8E-02	\pm	3.2E-02	U		¹⁵² Eu	3.3E-03	\pm	3.1E-02	U
	¹⁵⁴ Eu	-2.3E-02	\pm	2.3E-02	U		¹⁵⁴ Eu	-1.1E-02	\pm	2.0E-02	U
	¹⁵⁵ Eu	2.4E-02	\pm	3.5E-02	U		¹⁵⁵ Eu	1.5E-02	\pm	3.4E-02	U
	²³⁸ Pu	2.3E-03	\pm	2.3E-03	U		²³⁸ Pu	-2.5E-02	\pm	4.3E-02	U
	^{239,240} Pu	6.3E-01	\pm	1.4E-01			^{239,240} Pu	1.5E-02	\pm	1.4E-02	
	¹⁰³ Ru	-5.0E-03	\pm	1.1E-02	U		¹⁰³ Ru	-3.4E-03	\pm	7.4E-03	U
	¹⁰⁶ Ru	-5.8E-02	\pm	7.8E-02	U		¹⁰⁶ Ru	3.2E-02	\pm	5.6E-02	U
	¹²⁵ Sb	-3.1E-03	\pm	3.1E-02	U		¹²⁵ Sb	1.5E-02	\pm	1.8E-02	U
	¹¹³ Sn	-4.0E-03	\pm	1.3E-02	U		¹¹³ Sn	-4.2E-03	\pm	9.1E-03	U
	⁹⁰ Sr	5.4E-01	\pm	1.6E-01			⁹⁰ Sr	2.0E-01	\pm	1.5E-01	
	²³⁴ U	2.1E-01	\pm	5.7E-02			²³⁴ U	1.8E-01	\pm	5.0E-02	
	²³⁵ U	1.9E-02	\pm	1.3E-02			²³⁵ U	1.1E-02	\pm	1.0E-02	
	²³⁸ U	2.0E-01	\pm	5.4E-02			²³⁸ U	2.1E-01	\pm	5.7E-02	
	⁶⁵ Zn	-6.6E-03	\pm	1.9E-02	U		⁶⁵ Zn	8.3E-03	\pm	1.7E-02	U
D048	¹⁴⁴ Ce	-1.0E-01	\pm	1.1E-01	U	D050	¹⁴⁴ Ce	7.6E-04	\pm	7.6E-03	U
(200 West)	⁶⁰ Co	1.3E-03	\pm	5.0E-03	U	(200 West)	⁶⁰ Co	1.4E-04	\pm	1.4E-03	U
	¹³⁴ Cs	3.2E-02	\pm	9.3E-03			¹³⁴ Cs	3.0E-02	\pm	1.1E-02	
	¹³⁷ Cs	1.3E+00	\pm	1.6E-01			¹³⁷ Cs	9.7E-02	\pm	1.6E-02	
	¹⁵² Eu	-1.0E-02	\pm	2.2E-02	U		¹⁵² Eu	-1.9E-02	\pm	1.9E-02	U
	¹⁵⁴ Eu	-1.8E-02	\pm	1.9E-02	U		¹⁵⁴ Eu	6.6E-03	\pm	2.0E-02	U
	¹⁵⁵ Eu	4.7E-02	\pm	3.7E-02			¹⁵⁵ Eu	3.4E-02	\pm	3.5E-02	
	²³⁸ Pu	-6.0E-03	\pm	4.1E-02	U		²³⁸ Pu	2.1E-02	\pm	2.9E-02	U
	^{239,240} Pu	5.7E-02	\pm	3.1E-02			^{239,240} Pu	1.1E-02	\pm	1.2E-02	
	¹⁰³ Ru	-1.6E-03	\pm	6.8E-03	U		¹⁰³ Ru	-3.7E-03	\pm	6.1E-03	U
	¹⁰⁶ Ru	5.1E-03	\pm	4.9E-02	U		¹⁰⁶ Ru	3.0E-02	\pm	4.7E-02	U
	¹²⁵ Sb	5.4E-03	\pm	1.8E-02	U		¹²⁵ Sb	1.1E-02	\pm	1.6E-02	U
	¹¹³ Sn	-3.4E-03	\pm	8.5E-03	U		¹¹³ Sn	-3.4E-03	\pm	7.5E-03	U
	⁹⁰ Sr	-1.1E-02	\pm	1.1E-01	U		⁹⁰ Sr	5.7E-02	\pm	1.3E-01	U
	²³⁴ U	2.6E-01	\pm	6.5E-02			²³⁴ U	1.9E-01	\pm	5.1E-02	
	²³⁵ U	2.6E-02	\pm	1.6E-02			²³⁵ U	1.6E-02	\pm	1.2E-02	
	²³⁸ U	3.1E-01	\pm	7.4E-02			²³⁸ U	1.7E-01	\pm	4.8E-02	
	⁶⁵ Zn	-1.6E-02	\pm	1.6E-02	U		⁶⁵ Zn	-1.5E-02	\pm	1.5E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D052 (200 West)	¹⁴⁴ Ce	-1.0E-01	\pm	1.1E-01	U	D054 (200 East)	¹⁴⁴ Ce	4.8E-02	\pm	1.5E-01	U
	⁶⁰ Co	-1.6E-03	\pm	5.1E-03	U		⁶⁰ Co	-1.9E-03	\pm	5.5E-03	U
	¹³⁴ Cs	2.8E-02	\pm	9.4E-03			¹³⁴ Cs	3.4E-02	\pm	1.3E-02	
	¹³⁷ Cs	2.5E-01	\pm	3.6E-02			¹³⁷ Cs	5.2E+00	\pm	7.7E-01	
	¹⁵² Eu	-1.4E-02	\pm	1.7E-02	U		¹⁵² Eu	-7.5E-03	\pm	3.4E-02	U
	¹⁵⁴ Eu	-7.7E-03	\pm	1.7E-02	U		¹⁵⁴ Eu	4.7E-03	\pm	2.1E-02	U
	¹⁵⁵ Eu	3.2E-02	\pm	3.1E-02	U		¹⁵⁵ Eu	1.5E-02	\pm	3.3E-02	U
	²³⁸ Pu	-1.7E-02	\pm	3.2E-02	U		²³⁸ Pu	2.4E-02	\pm	4.1E-02	U
	^{239,240} Pu	1.9E-02	\pm	1.3E-02			^{239,240} Pu	-2.2E-03	\pm	1.3E-02	
	¹⁰³ Ru	3.8E-03	\pm	5.9E-03	U		¹⁰³ Ru	6.5E-03	\pm	1.0E-02	U
	¹⁰⁶ Ru	-2.5E-02	\pm	4.5E-02	U		¹⁰⁶ Ru	1.2E-02	\pm	7.1E-02	U
	¹²⁵ Sb	2.0E-03	\pm	1.5E-02	U		¹²⁵ Sb	1.4E-02	\pm	2.7E-02	U
	¹¹³ Sn	-3.8E-03	\pm	7.3E-03	U		¹¹³ Sn	-1.4E-03	\pm	1.2E-02	U
	⁹⁰ Sr	1.4E-01	\pm	1.3E-01	U		⁹⁰ Sr	5.2E-01	\pm	1.6E-01	
	²³⁴ U	1.3E-01	\pm	4.0E-02			²³⁴ U	1.6E-01	\pm	4.5E-02	
	²³⁵ U	1.1E-02	\pm	1.0E-02			²³⁵ U	1.2E-02	\pm	1.0E-02	
	²³⁸ U	1.5E-01	\pm	4.4E-02			²³⁸ U	1.3E-01	\pm	3.9E-02	
	⁶⁵ Zn	-7.8E-03	\pm	1.5E-02	U		⁶⁵ Zn	1.1E-02	\pm	1.5E-02	U
D056 (200 East)	¹⁴⁴ Ce	5.9E-02	\pm	1.3E-01	U	D058 (200 East)	¹⁴⁴ Ce	5.6E-02	\pm	1.6E-01	U
	⁶⁰ Co	2.3E-03	\pm	6.6E-03	U		⁶⁰ Co	7.5E-04	\pm	6.5E-03	U
	¹³⁴ Cs	2.1E-02	\pm	1.2E-02			¹³⁴ Cs	3.1E-02	\pm	9.6E-03	
	¹³⁷ Cs	1.9E+00	\pm	2.7E-01			¹³⁷ Cs	1.2E+01	\pm	1.9E+00	
	¹⁵² Eu	-8.9E-03	\pm	3.1E-02	U		¹⁵² Eu	-3.8E-03	\pm	3.8E-02	U
	¹⁵⁴ Eu	-2.2E-02	\pm	2.2E-02	U		¹⁵⁴ Eu	-6.2E-03	\pm	2.1E-02	U
	¹⁵⁵ Eu	3.9E-02	\pm	3.7E-02	U		¹⁵⁵ Eu	-1.1E-02	\pm	4.1E-02	U
	²³⁸ Pu	1.4E-02	\pm	3.5E-02	U		²³⁸ Pu	1.5E-02	\pm	3.0E-02	U
	^{239,240} Pu	-4.5E-03	\pm	9.0E-03	U		^{239,240} Pu	1.5E-02	\pm	1.2E-02	
	¹⁰³ Ru	1.7E-03	\pm	9.1E-03	U		¹⁰³ Ru	-1.8E-03	\pm	1.4E-02	
	¹⁰⁶ Ru	-9.9E-03	\pm	6.6E-02	U		¹⁰⁶ Ru	5.3E-02	\pm	1.1E-01	U
	¹²⁵ Sb	3.8E-03	\pm	2.4E-02	U		¹²⁵ Sb	7.0E-03	\pm	3.9E-02	U
	¹¹³ Sn	-9.6E-03	\pm	1.1E-02	U		¹¹³ Sn	-1.3E-03	\pm	1.3E-02	U
	⁹⁰ Sr	3.1E-01	\pm	1.4E-01			⁹⁰ Sr	8.2E-01	\pm	2.0E-01	
	²³⁴ U	3.6E-01	\pm	8.3E-02			²³⁴ U	2.3E-01	\pm	6.0E-02	
	²³⁵ U	2.0E-02	\pm	1.3E-02			²³⁵ U	2.7E-02	\pm	1.5E-02	
	²³⁸ U	3.8E-01	\pm	8.7E-02			²³⁸ U	2.4E-01	\pm	6.0E-02	
	⁶⁵ Zn	2.5E-02	\pm	1.9E-02	U		⁶⁵ Zn	2.7E-02	\pm	1.7E-02	

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D060 (200 East)	¹⁴⁴ Ce	3.1E-02	±	1.6E-01	U	D062 (200 East)	¹⁴⁴ Ce	8.5E-02	±	1.2E-01	U
	⁶⁰ Co	-2.3E-03	±	6.5E-03	U		⁶⁰ Co	1.9E-03	±	5.8E-03	U
	¹³⁴ Cs	3.3E-02	±	1.2E-02			¹³⁴ Cs	3.5E-02	±	1.1E-02	
	¹³⁷ Cs	1.2E+00	±	1.8E-01			¹³⁷ Cs	1.9E+00	±	2.8E-01	
	¹⁵² Eu	2.0E-02	±	3.7E-02	U		¹⁵² Eu	-5.2E-03	±	2.6E-02	U
	¹⁵⁴ Eu	2.3E-02	±	2.5E-02	U		¹⁵⁴ Eu	-1.5E-02	±	2.0E-02	U
	¹⁵⁵ Eu	3.5E-02	±	3.8E-02	U		¹⁵⁵ Eu	3.0E-02	±	3.1E-02	U
	²³⁸ Pu	-2.5E-03	±	2.5E-02	U		²³⁸ Pu	1.9E-03	±	1.9E-03	U
	^{239,240} Pu	9.9E-03	±	1.2E-02	U		^{239,240} Pu	1.3E-02	±	1.0E-02	
	¹⁰³ Ru	1.0E-03	±	8.8E-03	U		¹⁰³ Ru	2.2E-03	±	8.2E-03	U
	¹⁰⁶ Ru	1.3E-02	±	6.5E-02	U		¹⁰⁶ Ru	6.7E-02	±	6.0E-02	U
	¹²⁵ Sb	-3.1E-03	±	2.3E-02	U		¹²⁵ Sb	9.5E-03	±	2.1E-02	U
	¹¹³ Sn	-3.2E-04	±	3.2E-03	U		¹¹³ Sn	-2.4E-03	±	9.9E-03	U
	⁹⁰ Sr	2.5E-01	±	1.1E-01			⁹⁰ Sr	5.9E-01	±	1.8E-01	
	²³⁴ U	1.0E-01	±	3.4E-02			²³⁴ U	1.2E-01	±	4.1E-02	
	²³⁵ U	4.7E-03	±	6.6E-03	U		²³⁵ U	2.0E-02	±	1.5E-02	
	²³⁸ U	1.4E-01	±	4.5E-02			²³⁸ U	1.4E-01	±	4.3E-02	
	⁶⁵ Zn	-4.1E-03	±	1.8E-02	U		⁶⁵ Zn	1.5E-02	±	1.6E-02	U
D064 (200 East)	¹⁴⁴ Ce	1.5E-01	±	1.2E-01	U	D066 (200 East)	¹⁴⁴ Ce	6.9E-02	±	1.3E-01	U
	⁶⁰ Co	3.5E-03	±	5.5E-03	U		⁶⁰ Co	5.2E-03	±	5.1E-03	U
	¹³⁴ Cs	2.8E-02	±	7.8E-03			¹³⁴ Cs	2.4E-02	±	1.0E-02	
	¹³⁷ Cs	1.6E+00	±	2.1E-01			¹³⁷ Cs	5.2E+00	±	6.6E-01	
	¹⁵² Eu	-1.5E-02	±	2.1E-02	U		¹⁵² Eu	-8.7E-03	±	2.6E-02	U
	¹⁵⁴ Eu	-1.6E-02	±	1.9E-02	U		¹⁵⁴ Eu	-2.6E-03	±	1.9E-02	U
	¹⁵⁵ Eu	4.0E-02	±	3.7E-02	U		¹⁵⁵ Eu	-1.0E-02	±	3.3E-02	U
	²³⁸ Pu	2.0E-03	±	2.0E-03	U		²³⁸ Pu	1.2E-02	±	1.2E-02	U
	^{239,240} Pu	7.9E-03	±	7.9E-03			^{239,240} Pu	7.7E-03	±	7.7E-03	
	¹⁰³ Ru	-9.4E-05	±	9.4E-04	U		¹⁰³ Ru	3.3E-04	±	3.3E-03	U
	¹⁰⁶ Ru	5.4E-02	±	5.5E-02	U		¹⁰⁶ Ru	2.0E-02	±	6.1E-02	U
	¹²⁵ Sb	-4.7E-03	±	2.0E-02	U		¹²⁵ Sb	7.0E-03	±	2.5E-02	U
	¹¹³ Sn	-7.9E-03	±	9.5E-03	U		¹¹³ Sn	-1.6E-03	±	1.2E-02	U
	⁹⁰ Sr	1.9E+00	±	3.8E-01			⁹⁰ Sr	5.4E-01	±	1.6E-01	
	²³⁴ U	1.5E-01	±	4.5E-02			²³⁴ U	1.3E-01	±	4.0E-02	
	²³⁵ U	1.6E-02	±	1.2E-02			²³⁵ U	1.5E-02	±	1.2E-02	
	²³⁸ U	1.5E-01	±	4.5E-02			²³⁸ U	1.6E-01	±	4.6E-02	
	⁶⁵ Zn	-1.8E-02	±	1.8E-02	U		⁶⁵ Zn	-1.1E-02	±	1.4E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D068 (200 East)	¹⁴⁴ Ce	1.7E-03	±	1.7E-02	U	D070 (200 East)	¹⁴⁴ Ce	2.4E-02	±	8.8E-02	U
	⁶⁰ Co	5.5E-03	±	5.9E-03	U		⁶⁰ Co	-1.9E-03	±	5.5E-03	U
	¹³⁴ Cs	2.8E-02	±	9.3E-03			¹³⁴ Cs	3.1E-02	±	1.1E-02	
	¹³⁷ Cs	7.9E-02	±	1.4E-02			¹³⁷ Cs	3.8E-02	±	1.1E-02	
	¹⁵² Eu	-6.1E-03	±	2.3E-02	U		¹⁵² Eu	6.1E-03	±	1.9E-02	U
	¹⁵⁴ Eu	5.6E-04	±	5.6E-03	U		¹⁵⁴ Eu	-1.2E-02	±	1.8E-02	U
	¹⁵⁵ Eu	5.5E-03	±	2.6E-02	U		¹⁵⁵ Eu	4.4E-03	±	2.2E-02	U
	²³⁸ Pu	8.2E-03	±	1.1E-02	U		²³⁸ Pu	6.1E-03	±	6.1E-02	U
	^{239,240} Pu	-2.0E-03	±	4.0E-03	U		^{239,240} Pu	2.0E-03	±	2.0E-03	U
	¹⁰³ Ru	7.2E-03	±	6.4E-03	U		¹⁰³ Ru	-1.3E-03	±	5.6E-03	U
	¹⁰⁶ Ru	-5.1E-03	±	5.1E-02	U		¹⁰⁶ Ru	7.2E-03	±	4.6E-02	U
	¹²⁵ Sb	-5.0E-03	±	1.6E-02	U		¹²⁵ Sb	-4.7E-03	±	1.4E-02	U
	¹¹³ Sn	-5.5E-03	±	7.8E-03	U		¹¹³ Sn	-3.0E-03	±	6.6E-03	U
	⁹⁰ Sr	8.9E-02	±	1.2E-01	U		⁹⁰ Sr	1.5E-01	±	1.4E-01	U
	²³⁴ U	2.1E-01	±	5.9E-02			²³⁴ U	1.6E-01	±	5.0E-02	
	²³⁵ U	1.9E-02	±	1.4E-02			²³⁵ U	1.3E-02	±	1.2E-02	
	²³⁸ U	2.6E-01	±	6.8E-02			²³⁸ U	1.4E-01	±	4.5E-02	
	⁶⁵ Zn	3.2E-03	±	1.7E-02	U		⁶⁵ Zn	8.7E-03	±	1.4E-02	U
D072 (200 East)	¹⁴⁴ Ce	-1.4E-02	±	1.1E-01	U	D074 (200 East)	¹⁴⁴ Ce	-9.1E-02	±	1.2E-01	U
	⁶⁰ Co	-1.8E-03	±	5.1E-03	U		⁶⁰ Co	1.0E-03	±	5.8E-03	U
	¹³⁴ Cs	1.2E-02	±	7.3E-03			¹³⁴ Cs	3.4E-02	±	1.1E-02	
	¹³⁷ Cs	9.1E-02	±	1.7E-02			¹³⁷ Cs	1.9E+00	±	2.9E-01	
	¹⁵² Eu	-9.4E-03	±	3.1E-02	U		¹⁵² Eu	-1.7E-02	±	2.4E-02	U
	¹⁵⁴ Eu	-9.3E-03	±	1.7E-02	U		¹⁵⁴ Eu	1.4E-02	±	2.1E-02	U
	¹⁵⁵ Eu	4.9E-02	±	2.8E-02			¹⁵⁵ Eu	2.2E-02	±	2.8E-02	
	²³⁸ Pu	-2.0E-03	±	1.3E-02	U		²³⁸ Pu	4.4E-03	±	2.9E-02	U
	^{239,240} Pu	4.0E-03	±	5.6E-03	U		^{239,240} Pu	4.4E-03	±	6.2E-03	U
	¹⁰³ Ru	-1.9E-03	±	6.0E-03	U		¹⁰³ Ru	-6.8E-03	±	7.9E-03	U
	¹⁰⁶ Ru	-2.0E-02	±	4.5E-02	U		¹⁰⁶ Ru	-1.5E-03	±	1.5E-02	U
	¹²⁵ Sb	-1.2E-03	±	1.2E-02	U		¹²⁵ Sb	8.9E-03	±	2.1E-02	U
	¹¹³ Sn	1.5E-03	±	7.0E-03	U		¹¹³ Sn	-1.3E-02	±	1.3E-02	U
	⁹⁰ Sr	-9.8E-02	±	9.8E-02	U		⁹⁰ Sr	4.1E-01	±	1.6E-01	
	²³⁴ U	1.4E-01	±	4.5E-02			²³⁴ U	1.9E-01	±	5.3E-02	
	²³⁵ U	9.5E-03	±	9.5E-03			²³⁵ U	2.0E-02	±	1.5E-02	
	²³⁸ U	1.5E-01	±	4.7E-02			²³⁸ U	2.2E-01	±	5.9E-02	
	⁶⁵ Zn	8.8E-03	±	1.4E-02	U		⁶⁵ Zn	5.5E-03	±	1.5E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D076 (200 East)	¹⁴⁴ Ce	6.3E-02	\pm	1.0E-01	U	D078 (200 East)	¹⁴⁴ Ce	-2.5E-02	\pm	9.6E-02	U
	⁶⁰ Co	2.7E-05	\pm	2.7E-04	U		⁶⁰ Co	-2.7E-03	\pm	5.9E-03	U
	¹³⁴ Cs	2.7E-02	\pm	9.5E-03			¹³⁴ Cs	3.9E-02	\pm	1.1E-02	
	¹³⁷ Cs	1.8E-01	\pm	2.9E-02			¹³⁷ Cs	2.8E-01	\pm	4.5E-02	
	¹⁵² Eu	7.1E-03	\pm	2.8E-02	U		¹⁵² Eu	5.4E-03	\pm	2.6E-02	U
	¹⁵⁴ Eu	-4.1E-02	\pm	4.1E-02	U		¹⁵⁴ Eu	-9.3E-03	\pm	2.0E-02	U
	¹⁵⁵ Eu	3.7E-02	\pm	3.0E-02	U		¹⁵⁵ Eu	4.7E-02	\pm	3.0E-02	
	²³⁸ Pu	1.9E-02	\pm	3.2E-02	U		²³⁸ Pu	2.0E-02	\pm	2.8E-02	U
	^{239,240} Pu	1.9E-02	\pm	1.4E-02			^{239,240} Pu	9.0E-03	\pm	1.1E-02	U
	¹⁰³ Ru	2.7E-03	\pm	6.7E-03	U		¹⁰³ Ru	2.2E-03	\pm	6.5E-03	U
	¹⁰⁶ Ru	-1.2E-02	\pm	5.1E-02	U		¹⁰⁶ Ru	-9.7E-03	\pm	5.0E-02	U
	¹²⁵ Sb	-5.2E-03	\pm	1.6E-02	U		¹²⁵ Sb	8.3E-03	\pm	1.6E-02	U
	¹¹³ Sn	-2.3E-03	\pm	7.9E-03	U		¹¹³ Sn	-4.3E-03	\pm	7.5E-03	U
	⁹⁰ Sr	7.5E-01	\pm	1.9E-01			⁹⁰ Sr	-1.1E-01	\pm	1.1E-01	U
	²³⁴ U	1.4E-01	\pm	4.3E-02			²³⁴ U	1.5E-01	\pm	4.5E-02	
	²³⁵ U	6.2E-03	\pm	1.1E-02	U		²³⁵ U	1.8E-02	\pm	1.2E-02	
	²³⁸ U	9.1E-02	\pm	3.2E-02			²³⁸ U	1.6E-01	\pm	4.6E-02	
	⁶⁵ Zn	2.4E-02	\pm	1.6E-02			⁶⁵ Zn	2.7E-03	\pm	1.6E-02	U
D080 (200 East)	¹⁴⁴ Ce	-8.2E-02	\pm	1.4E-01	U	D082 (600 Area)	¹⁴⁴ Ce	7.7E-02	\pm	1.1E-01	U
	⁶⁰ Co	9.9E-05	\pm	9.9E-04	U		⁶⁰ Co	-1.1E-03	\pm	5.2E-03	U
	¹³⁴ Cs	2.5E-02	\pm	1.2E-02			¹³⁴ Cs	3.4E-02	\pm	1.2E-02	
	¹³⁷ Cs	9.5E-02	\pm	1.7E-02			¹³⁷ Cs	9.3E-02	\pm	1.5E-02	
	¹⁵² Eu	2.2E-02	\pm	3.5E-02	U		¹⁵² Eu	-3.9E-03	\pm	1.9E-02	U
	¹⁵⁴ Eu	3.1E-03	\pm	2.2E-02	U		¹⁵⁴ Eu	3.6E-03	\pm	1.8E-02	U
	¹⁵⁵ Eu	4.3E-03	\pm	3.2E-02	U		¹⁵⁵ Eu	4.1E-02	\pm	3.2E-02	U
	²³⁸ Pu	-1.4E-02	\pm	2.8E-02	U		²³⁸ Pu	9.0E-03	\pm	3.1E-02	U
	^{239,240} Pu	1.4E-02	\pm	1.0E-02			^{239,240} Pu	1.3E-02	\pm	1.1E-02	U
	¹⁰³ Ru	1.9E-03	\pm	7.3E-03	U		¹⁰³ Ru	-5.5E-03	\pm	6.3E-03	U
	¹⁰⁶ Ru	-2.2E-02	\pm	5.4E-02	U		¹⁰⁶ Ru	-1.5E-02	\pm	4.8E-02	U
	¹²⁵ Sb	8.5E-04	\pm	8.5E-03	U		¹²⁵ Sb	2.2E-03	\pm	1.6E-02	U
	¹¹³ Sn	-1.7E-03	\pm	8.7E-03	U		¹¹³ Sn	-5.2E-03	\pm	7.9E-03	U
	⁹⁰ Sr	7.7E-02	\pm	1.3E-01	U		⁹⁰ Sr	1.5E-01	\pm	1.2E-01	U
	²³⁴ U	1.6E-01	\pm	4.6E-02			²³⁴ U	1.3E-01	\pm	3.9E-02	
	²³⁵ U	4.3E-03	\pm	8.6E-03	U		²³⁵ U	1.5E-02	\pm	1.2E-02	
	²³⁸ U	1.5E-01	\pm	4.5E-02			²³⁸ U	1.4E-01	\pm	4.2E-02	
	⁶⁵ Zn	2.3E-02	\pm	1.6E-02	U		⁶⁵ Zn	-5.0E-03	\pm	1.5E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D084 (600 Area)	¹⁴⁴ Ce	5.4E-02	±	1.2E-01	U	D086 (600 Area)	¹⁴⁴ Ce	-2.3E-02	±	1.2E-01	U
	⁶⁰ Co	-5.3E-03	±	5.5E-03	U		⁶⁰ Co	5.0E-03	±	6.1E-03	U
	¹³⁴ Cs	4.1E-02	±	1.2E-02			¹³⁴ Cs	4.1E-02	±	1.0E-02	
	¹³⁷ Cs	3.6E-01	±	4.9E-02			¹³⁷ Cs	8.5E-01	±	1.1E-01	
	¹⁵² Eu	6.1E-03	±	2.0E-02	U		¹⁵² Eu	-1.9E-02	±	2.3E-02	U
	¹⁵⁴ Eu	2.2E-02	±	2.4E-02	U		¹⁵⁴ Eu	8.7E-04	±	8.7E-03	U
	¹⁵⁵ Eu	3.0E-02	±	2.8E-02	U		¹⁵⁵ Eu	3.1E-02	±	3.1E-02	U
	²³⁸ Pu	-6.2E-03	±	2.7E-02	U		²³⁸ Pu	-1.9E-03	±	1.9E-02	U
	^{239,240} Pu	4.1E-03	±	8.2E-03	U		^{239,240} Pu	9.7E-03	±	1.1E-02	U
	¹⁰³ Ru	2.4E-03	±	6.6E-03	U		¹⁰³ Ru	1.4E-03	±	8.4E-03	U
	¹⁰⁶ Ru	-2.0E-03	±	2.0E-02	U		¹⁰⁶ Ru	-1.3E-04	±	1.3E-03	U
	¹²⁵ Sb	1.9E-02	±	1.7E-02	U		¹²⁵ Sb	-8.2E-03	±	1.9E-02	U
	¹¹³ Sn	-9.4E-04	±	8.0E-03	U		¹¹³ Sn	3.4E-04	±	3.4E-03	U
	⁹⁰ Sr	9.6E-02	±	1.3E-01	U		⁹⁰ Sr	8.8E-02	±	1.1E-01	U
	²³⁴ U	1.2E-01	±	3.8E-02			²³⁴ U	1.0E-01	±	3.3E-02	
	²³⁵ U	2.0E-03	±	7.0E-03	U		²³⁵ U	8.1E-03	±	8.1E-03	
	²³⁸ U	1.1E-01	±	3.5E-02			²³⁸ U	1.2E-01	±	3.7E-02	
	⁶⁵ Zn	-1.7E-02	±	1.7E-02	U		⁶⁵ Zn	-2.3E-02	±	2.3E-02	U
D088 (600 Area)	¹⁴⁴ Ce	-2.1E-02	±	1.1E-01	U	D090 (600 Area)	¹⁴⁴ Ce	-1.0E-01	±	1.4E-01	U
	⁶⁰ Co	-4.2E-03	±	6.3E-03	U		⁶⁰ Co	-4.0E-03	±	5.7E-03	U
	¹³⁴ Cs	3.5E-02	±	1.1E-02			¹³⁴ Cs	3.3E-02	±	1.2E-02	
	¹³⁷ Cs	1.3E-02	±	8.5E-03			¹³⁷ Cs	3.8E-01	±	5.7E-02	
	¹⁵² Eu	8.3E-03	±	2.4E-02	U		¹⁵² Eu	1.0E-02	±	3.6E-02	U
	¹⁵⁴ Eu	-7.8E-03	±	2.0E-02	U		¹⁵⁴ Eu	-1.2E-02	±	2.0E-02	U
	¹⁵⁵ Eu	3.8E-02	±	3.2E-02	U		¹⁵⁵ Eu	1.6E-03	±	1.5E-02	U
	²³⁸ Pu	6.5E-03	±	3.4E-02	U		²³⁸ Pu	3.1E-02	±	3.4E-02	U
	^{239,240} Pu	4.3E-03	±	1.2E-02	U		^{239,240} Pu	2.1E-03	±	7.3E-03	U
	¹⁰³ Ru	2.1E-03	±	7.6E-03	U		¹⁰³ Ru	-8.5E-04	±	7.7E-03	U
	¹⁰⁶ Ru	6.9E-03	±	5.5E-02	U		¹⁰⁶ Ru	2.6E-02	±	5.4E-02	U
	¹²⁵ Sb	1.7E-02	±	1.7E-02	U		¹²⁵ Sb	1.0E-03	±	1.0E-02	U
	¹¹³ Sn	-1.1E-02	±	1.1E-02	U		¹¹³ Sn	1.9E-03	±	9.2E-03	U
	⁹⁰ Sr	1.5E-01	±	1.3E-01			⁹⁰ Sr	-3.5E-03	±	3.5E-02	
	²³⁴ U	2.3E-01	±	6.2E-02			²³⁴ U	1.6E-01	±	5.0E-02	
	²³⁵ U	1.7E-02	±	1.3E-02			²³⁵ U	9.3E-03	±	1.1E-02	U
	²³⁸ U	2.3E-01	±	6.2E-02			²³⁸ U	1.7E-01	±	4.9E-02	
	⁶⁵ Zn	2.1E-02	±	1.8E-02	U		⁶⁵ Zn	3.3E-02	±	1.8E-02	

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D092 (600 Area)	¹⁴⁴ Ce	2.9E-02	±	1.2E-01	U	D094 (600 Area)	¹⁴⁴ Ce	-2.2E-02	±	1.2E-01	U
	⁶⁰ Co	-2.9E-03	±	5.8E-03	U		⁶⁰ Co	2.9E-04	±	2.9E-03	U
	¹³⁴ Cs	3.6E-02	±	1.2E-02			¹³⁴ Cs	3.1E-02	±	8.2E-03	
	¹³⁷ Cs	4.0E-02	±	1.5E-02			¹³⁷ Cs	2.7E-01	±	3.7E-02	
	¹⁵² Eu	-2.3E-02	±	2.3E-02	U		¹⁵² Eu	1.9E-02	±	2.2E-02	U
	¹⁵⁴ Eu	5.6E-03	±	2.1E-02	U		¹⁵⁴ Eu	2.5E-02	±	1.9E-02	U
	¹⁵⁵ Eu	3.2E-02	±	2.9E-02	U		¹⁵⁵ Eu	5.1E-02	±	3.8E-02	
	²³⁸ Pu	-4.0E-03	±	2.9E-02	U		²³⁸ Pu	1.3E-02	±	4.0E-02	U
	^{239,240} Pu	2.0E-03	±	4.0E-03	U		^{239,240} Pu	2.1E-03	±	2.1E-03	U
	¹⁰³ Ru	2.2E-04	±	2.2E-03	U		¹⁰³ Ru	-3.6E-03	±	7.3E-03	U
	¹⁰⁶ Ru	-1.8E-02	±	5.4E-02	U		¹⁰⁶ Ru	-4.2E-02	±	5.1E-02	U
	¹²⁵ Sb	1.9E-03	±	1.6E-02	U		¹²⁵ Sb	4.4E-03	±	1.7E-02	U
	¹¹³ Sn	-3.8E-03	±	8.3E-03	U		¹¹³ Sn	-2.2E-03	±	8.6E-03	U
	⁹⁰ Sr	4.9E-02	±	1.0E-01	U		⁹⁰ Sr	1.3E-01	±	1.1E-01	U
	²³⁴ U	1.3E-01	±	4.2E-02			²³⁴ U	2.3E-01	±	6.2E-02	
	²³⁵ U	1.2E-02	±	1.1E-02			²³⁵ U	2.3E-02	±	1.5E-02	
	²³⁸ U	1.4E-01	±	4.5E-02			²³⁸ U	2.5E-01	±	6.5E-02	
	⁶⁵ Zn	-9.5E-03	±	1.7E-02	U		⁶⁵ Zn	-5.6E-03	±	1.5E-02	U
D096 (600 Area)	¹⁴⁴ Ce	-6.9E-02	±	1.2E-01	U	D098 (600 Area)	¹⁴⁴ Ce	-3.6E-02	±	1.2E-01	U
	⁶⁰ Co	-2.0E-03	±	5.2E-03	U		⁶⁰ Co	-2.0E-03	±	6.9E-03	U
	¹³⁴ Cs	4.0E-02	±	8.6E-03			¹³⁴ Cs	3.1E-02	±	1.3E-02	
	¹³⁷ Cs	2.0E-01	±	2.9E-02			¹³⁷ Cs	1.1E-01	±	1.9E-02	
	¹⁵² Eu	-2.3E-02	±	2.3E-02	U		¹⁵² Eu	-6.8E-03	±	2.6E-02	U
	¹⁵⁴ Eu	6.4E-03	±	1.9E-02	U		¹⁵⁴ Eu	-1.7E-02	±	2.2E-02	U
	¹⁵⁵ Eu	3.1E-02	±	3.6E-02	U		¹⁵⁵ Eu	4.1E-02	±	3.5E-02	U
	²³⁸ Pu	3.6E-02	±	3.3E-02	U		²³⁸ Pu	2.4E-02	±	3.4E-02	U
	^{239,240} Pu	9.4E-03	±	1.1E-02	U		^{239,240} Pu	5.9E-03	±	7.1E-03	
	¹⁰³ Ru	-7.0E-04	±	6.9E-03	U		¹⁰³ Ru	4.0E-04	±	4.0E-03	U
	¹⁰⁶ Ru	-1.4E-02	±	4.8E-02	U		¹⁰⁶ Ru	-3.1E-02	±	6.2E-02	U
	¹²⁵ Sb	-1.2E-02	±	1.9E-02	U		¹²⁵ Sb	7.0E-03	±	2.1E-02	U
	¹¹³ Sn	7.9E-04	±	7.9E-03	U		¹¹³ Sn	5.0E-03	±	9.3E-03	U
	⁹⁰ Sr	4.3E-01	±	1.5E-01			⁹⁰ Sr	1.2E-01	±	1.1E-01	
	²³⁴ U	2.8E-01	±	7.0E-02			²³⁴ U	1.3E-01	±	4.3E-02	
	²³⁵ U	8.8E-03	±	8.8E-03			²³⁵ U	1.7E-02	±	1.3E-02	
	²³⁸ U	3.1E-01	±	7.8E-02			²³⁸ U	1.2E-01	±	4.1E-02	
	⁶⁵ Zn	-4.6E-03	±	1.5E-02	U		⁶⁵ Zn	2.6E-02	±	3.2E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D100	¹⁴⁴ Ce	4.9E-02	±	1.5E-01	U	D102	¹⁴⁴ Ce	2.9E-03	±	2.9E-02	U
(600 Area)	⁶⁰ Co	3.5E-04	±	3.5E-03	U	(600 Area)	⁶⁰ Co	4.3E-03	±	6.0E-03	U
	¹³⁴ Cs	3.0E-02	±	9.9E-03			¹³⁴ Cs	3.2E-02	±	1.2E-02	
	¹³⁷ Cs	1.4E-01	±	2.3E-02			¹³⁷ Cs	1.1E+00	±	1.7E-01	
	¹⁵² Eu	2.9E-02	±	3.8E-02	U		¹⁵² Eu	-1.6E-02	±	2.5E-02	U
	¹⁵⁴ Eu	-2.2E-02	±	2.2E-02	U		¹⁵⁴ Eu	6.7E-03	±	2.1E-02	U
	¹⁵⁵ Eu	3.6E-03	±	3.6E-02	U		¹⁵⁵ Eu	3.5E-02	±	3.5E-02	U
	²³⁸ Pu	-8.3E-03	±	3.0E-02	U		²³⁸ Pu	3.5E-02	±	3.1E-02	U
	^{239,240} Pu	1.3E-02	±	1.4E-02	U		^{239,240} Pu	8.0E-02	±	2.9E-02	
	¹⁰³ Ru	-6.0E-04	±	6.0E-03	U		¹⁰³ Ru	1.4E-03	±	8.2E-03	U
	¹⁰⁶ Ru	-4.5E-02	±	6.0E-02	U		¹⁰⁶ Ru	-1.2E-02	±	6.0E-02	U
	¹²⁵ Sb	1.1E-02	±	1.9E-02	U		¹²⁵ Sb	4.9E-03	±	2.0E-02	U
	¹¹³ Sn	-1.4E-03	±	9.5E-03	U		¹¹³ Sn	-1.1E-02	±	1.1E-02	U
	⁹⁰ Sr	8.6E-02	±	1.2E-01	U		⁹⁰ Sr	4.0E-01	±	1.4E-01	
	²³⁴ U	2.4E-01	±	6.5E-02			²³⁴ U	2.1E-01	±	5.7E-02	
	²³⁵ U	1.9E-02	±	1.4E-02			²³⁵ U	3.3E-02	±	1.8E-02	
	²³⁸ U	2.5E-01	±	6.7E-02			²³⁸ U	2.0E-01	±	5.4E-02	
	⁶⁵ Zn	4.0E-02	±	1.9E-02			⁶⁵ Zn	-1.6E-03	±	1.6E-02	U
D104	¹⁴⁴ Ce	-6.0E-02	±	1.1E-01	U	D106	¹⁴⁴ Ce	-6.9E-02	±	1.1E-01	U
(600 Area)	⁶⁰ Co	-2.9E-03	±	6.5E-03	U	(600 Area)	⁶⁰ Co	1.6E-03	±	5.1E-03	U
	¹³⁴ Cs	4.3E-02	±	1.5E-02			¹³⁴ Cs	2.4E-02	±	6.9E-03	
	¹³⁷ Cs	1.9E-02	±	7.6E-03			¹³⁷ Cs	2.3E-01	±	3.3E-02	
	¹⁵² Eu	8.4E-03	±	2.7E-02	U		¹⁵² Eu	-4.0E-03	±	1.8E-02	U
	¹⁵⁴ Eu	-1.4E-05	±	1.4E-04	U		¹⁵⁴ Eu	-7.4E-03	±	1.8E-02	U
	¹⁵⁵ Eu	4.1E-02	±	3.7E-02	U		¹⁵⁵ Eu	4.2E-02	±	3.0E-02	
	²³⁸ Pu	1.7E-02	±	1.7E-02	U		²³⁸ Pu	1.7E-03	±	7.7E-03	U
	^{239,240} Pu	-1.9E-03	±	3.8E-03	U		^{239,240} Pu	7.7E-02	±	2.7E-02	
	¹⁰³ Ru	-2.6E-03	±	7.8E-03	U		¹⁰³ Ru	-1.3E-03	±	6.7E-03	U
	¹⁰⁶ Ru	-6.7E-02	±	6.7E-02	U		¹⁰⁶ Ru	-1.4E-02	±	4.7E-02	U
	¹²⁵ Sb	-5.7E-03	±	1.7E-02	U		¹²⁵ Sb	-3.8E-03	±	1.5E-02	U
	¹¹³ Sn	-7.7E-03	±	8.9E-03	U		¹¹³ Sn	-5.7E-04	±	5.7E-03	U
	⁹⁰ Sr	-2.6E-02	±	1.1E-01	U		⁹⁰ Sr	1.2E-01	±	1.1E-01	
	²³⁴ U	1.5E-01	±	4.4E-02			²³⁴ U	1.8E-01	±	5.0E-02	
	²³⁵ U	1.4E-02	±	1.1E-02			²³⁵ U	2.5E-02	±	1.5E-02	
	²³⁸ U	1.7E-01	±	4.8E-02			²³⁸ U	1.4E-01	±	4.2E-02	
	⁶⁵ Zn	8.7E-03	±	1.9E-02	U		⁶⁵ Zn	1.8E-03	±	1.4E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D108 (600 Area)	¹⁴⁴ Ce	7.9E-02	\pm	1.5E-01	U	D110 (600 Area)	¹⁴⁴ Ce	-5.2E-02	\pm	1.1E-01	U
	⁶⁰ Co	1.1E-03	\pm	6.1E-03	U		⁶⁰ Co	3.1E-03	\pm	5.9E-03	U
	¹³⁴ Cs	2.9E-02	\pm	1.0E-02			¹³⁴ Cs	2.9E-02	\pm	9.1E-03	
	¹³⁷ Cs	1.1E+00	\pm	1.6E-01			¹³⁷ Cs	4.8E-02	\pm	1.2E-02	
	¹⁵² Eu	-1.5E-02	\pm	4.3E-02	U		¹⁵² Eu	1.0E-03	\pm	1.0E-02	U
	¹⁵⁴ Eu	-1.9E-02	\pm	2.1E-02	U		¹⁵⁴ Eu	-1.6E-02	\pm	1.9E-02	U
	¹⁵⁵ Eu	3.5E-02	\pm	3.6E-02	U		¹⁵⁵ Eu	1.0E-03	\pm	1.0E-02	U
	²³⁸ Pu	5.5E-03	\pm	1.3E-02	U		²³⁸ Pu	-1.7E-03	\pm	7.7E-03	U
	^{239,240} Pu	1.5E-01	\pm	4.4E-02			^{239,240} Pu	7.0E-03	\pm	8.4E-03	
	¹⁰³ Ru	-3.3E-04	\pm	3.3E-03	U		¹⁰³ Ru	-3.4E-03	\pm	7.1E-03	U
	¹⁰⁶ Ru	6.1E-03	\pm	6.1E-02	U		¹⁰⁶ Ru	-2.2E-03	\pm	2.2E-02	U
	¹²⁵ Sb	1.2E-02	\pm	2.2E-02	U		¹²⁵ Sb	-2.2E-03	\pm	1.5E-02	U
	¹¹³ Sn	-6.1E-03	\pm	1.1E-02	U		¹¹³ Sn	-2.3E-03	\pm	7.9E-03	U
	⁹⁰ Sr	3.4E-01	\pm	1.2E-01			⁹⁰ Sr	1.1E-01	\pm	1.2E-01	
	²³⁴ U	1.3E-01	\pm	3.9E-02			²³⁴ U	3.5E-02	\pm	1.1E-02	
	²³⁵ U	1.2E-02	\pm	1.2E-02	U		²³⁵ U	1.5E-03	\pm	3.0E-03	U
	²³⁸ U	1.2E-01	\pm	3.7E-02			²³⁸ U	3.6E-02	\pm	1.1E-02	
	⁶⁵ Zn	8.1E-03	\pm	1.7E-02	U		⁶⁵ Zn	-6.3E-03	\pm	1.6E-02	U
D112 (Duplicate of D072, 200 East)	¹⁴⁴ Ce	-7.8E-03	\pm	7.8E-02	U	D114 (Duplicate of D092, 600 Area)	¹⁴⁴ Ce	-1.8E-02	\pm	1.0E-01	U
	⁶⁰ Co	2.7E-03	\pm	4.4E-03	U		⁶⁰ Co	5.2E-03	\pm	5.7E-03	U
	¹³⁴ Cs	2.5E-02	\pm	7.0E-03			¹³⁴ Cs	3.2E-02	\pm	1.1E-02	
	¹³⁷ Cs	1.7E-01	\pm	2.4E-02			¹³⁷ Cs	9.9E-03	\pm	7.0E-03	
	¹⁵² Eu	1.3E-02	\pm	1.6E-02	U		¹⁵² Eu	-1.5E-02	\pm	2.2E-02	U
	¹⁵⁴ Eu	-3.0E-02	\pm	1.6E-02	U		¹⁵⁴ Eu	-1.1E-02	\pm	2.1E-02	U
	¹⁵⁵ Eu	1.7E-02	\pm	2.1E-02	U		¹⁵⁵ Eu	2.5E-02	\pm	2.6E-02	U
	²³⁸ Pu	5.1E-03	\pm	1.1E-02	U		²³⁸ Pu	-1.8E-03	\pm	6.3E-03	U
	^{239,240} Pu	1.7E-03	\pm	3.4E-03	U		^{239,240} Pu	9.2E-03	\pm	1.0E-02	U
	¹⁰³ Ru	6.8E-04	\pm	5.8E-03	U		¹⁰³ Ru	8.7E-04	\pm	7.8E-03	U
	¹⁰⁶ Ru	3.0E-03	\pm	3.0E-02	U		¹⁰⁶ Ru	-1.2E-02	\pm	5.8E-02	U
	¹²⁵ Sb	7.3E-03	\pm	1.3E-02	U		¹²⁵ Sb	-3.0E-03	\pm	1.6E-02	U
	¹¹³ Sn	6.2E-04	\pm	6.2E-03	U		¹¹³ Sn	-6.6E-03	\pm	9.5E-03	U
	⁹⁰ Sr	2.3E-01	\pm	1.2E-01			⁹⁰ Sr	-8.2E-02	\pm	9.2E-02	
	²³⁴ U	1.4E-01	\pm	3.9E-02			²³⁴ U	2.3E-01	\pm	5.8E-02	
	²³⁵ U	8.8E-03	\pm	9.7E-03	U		²³⁵ U	1.9E-02	\pm	1.2E-02	
	²³⁸ U	1.2E-01	\pm	3.6E-02			²³⁸ U	2.2E-01	\pm	5.5E-02	
	⁶⁵ Zn	-1.1E-02	\pm	1.3E-02	U		⁶⁵ Zn	3.1E-02	\pm	1.7E-02	

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D116 (300 Area)	¹⁴⁴ Ce	-1.5E-02	\pm	1.1E-01	U	D117 (300 Area)	¹⁴⁴ Ce	-8.1E-02	\pm	1.1E-01	U
	⁶⁰ Co	4.9E-03	\pm	5.5E-03	U		⁶⁰ Co	-3.3E-03	\pm	5.2E-03	U
	¹³⁴ Cs	2.2E-02	\pm	7.7E-03			¹³⁴ Cs	3.1E-02	\pm	9.0E-03	
	¹³⁷ Cs	7.5E-02	\pm	1.4E-02			¹³⁷ Cs	1.7E-01	\pm	2.4E-02	
	¹⁵² Eu	-2.7E-04	\pm	2.7E-03	U		¹⁵² Eu	5.7E-03	\pm	1.7E-02	U
	¹⁵⁴ Eu	9.5E-03	\pm	2.0E-02	U		¹⁵⁴ Eu	-1.1E-02	\pm	2.0E-02	U
	¹⁵⁵ Eu	4.4E-02	\pm	3.0E-02			¹⁵⁵ Eu	3.4E-02	\pm	2.6E-02	
	²³⁸ Pu	6.8E-03	\pm	2.4E-02	U		²³⁸ Pu	-4.7E-03	\pm	1.9E-02	U
	^{239,240} Pu	6.8E-03	\pm	6.8E-03			^{239,240} Pu	6.2E-03	\pm	8.7E-03	
	¹⁰³ Ru	3.0E-03	\pm	5.2E-03	U		¹⁰³ Ru	-2.6E-03	\pm	5.3E-03	U
	¹⁰⁶ Ru	1.5E-02	\pm	4.4E-02	U		¹⁰⁶ Ru	1.0E-02	\pm	4.6E-02	U
	¹²⁵ Sb	-7.8E-03	\pm	1.5E-02	U		¹²⁵ Sb	5.7E-03	\pm	1.5E-02	U
	¹¹³ Sn	-4.9E-03	\pm	6.9E-03	U		¹¹³ Sn	3.2E-03	\pm	6.9E-03	U
	⁹⁰ Sr	2.3E-02	\pm	7.8E-02	U		⁹⁰ Sr	1.4E-01	\pm	1.0E-01	U
	²³⁴ U	1.6E-01	\pm	4.6E-02			²³⁴ U	6.2E-01	\pm	1.4E-01	
	²³⁵ U	8.6E-03	\pm	8.6E-03			²³⁵ U	6.8E-02	\pm	2.7E-02	
	²³⁸ U	1.8E-01	\pm	5.0E-02			²³⁸ U	5.5E-01	\pm	1.2E-01	
	⁶⁵ Zn	2.4E-03	\pm	1.4E-02	U		⁶⁵ Zn	-4.0E-04	\pm	4.0E-03	U
D118 (300 Area)	¹⁴⁴ Ce	4.8E-02	\pm	9.6E-02	U	D119 (300 Area)	¹⁴⁴ Ce	-4.2E-02	\pm	1.2E-01	U
	⁶⁰ Co	-1.8E-03	\pm	5.0E-03	U		⁶⁰ Co	2.4E-03	\pm	5.2E-03	U
	¹³⁴ Cs	2.5E-02	\pm	9.1E-03			¹³⁴ Cs	2.6E-02	\pm	8.0E-03	
	¹³⁷ Cs	4.4E-02	\pm	9.8E-03			¹³⁷ Cs	1.2E-01	\pm	1.9E-02	
	¹⁵² Eu	1.4E-02	\pm	1.7E-02	U		¹⁵² Eu	-1.1E-02	\pm	1.7E-02	U
	¹⁵⁴ Eu	4.8E-03	\pm	1.6E-02	U		¹⁵⁴ Eu	-8.7E-03	\pm	2.1E-02	U
	¹⁵⁵ Eu	3.2E-02	\pm	2.9E-02	U		¹⁵⁵ Eu	3.4E-02	\pm	3.3E-02	U
	²³⁸ Pu	-4.9E-03	\pm	2.6E-02	U		²³⁸ Pu	-5.0E-02	\pm	5.0E-02	U
	^{239,240} Pu	8.2E-03	\pm	9.0E-03	U		^{239,240} Pu	1.5E-01	\pm	4.2E-02	
	¹⁰³ Ru	1.0E-03	\pm	5.2E-03	U		¹⁰³ Ru	1.4E-03	\pm	5.7E-03	
	¹⁰⁶ Ru	1.6E-03	\pm	1.6E-02	U		¹⁰⁶ Ru	-3.2E-02	\pm	4.5E-02	
	¹²⁵ Sb	2.8E-03	\pm	1.4E-02	U		¹²⁵ Sb	2.0E-02	\pm	1.5E-02	
	¹¹³ Sn	-8.9E-03	\pm	8.9E-03	U		¹¹³ Sn	-5.5E-03	\pm	7.1E-03	
	⁹⁰ Sr	5.7E-02	\pm	1.0E-01	U		⁹⁰ Sr	2.2E-02	\pm	8.1E-02	
	²³⁴ U	5.7E-01	\pm	1.3E-01			²³⁴ U	7.3E+00	\pm	1.4E+00	
	²³⁵ U	6.8E-02	\pm	2.7E-02			²³⁵ U	3.7E-01	\pm	8.9E-02	
	²³⁸ U	5.3E-01	\pm	1.2E-01			²³⁸ U	7.3E+00	\pm	1.4E+00	
	⁶⁵ Zn	-4.5E-04	\pm	4.5E-03	U		⁶⁵ Zn	-1.3E-03	\pm	1.3E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D121 (300 Area)	¹⁴⁴ Ce	-2.5E-02	±	1.0E-01	U	D123 (300 Area)	¹⁴⁴ Ce	-3.1E-02	±	1.0E-01	U
	⁶⁰ Co	-2.4E-03	±	4.9E-03	U		⁶⁰ Co	2.2E-03	±	5.7E-03	U
	¹³⁴ Cs	3.1E-02	±	8.1E-03			¹³⁴ Cs	2.7E-02	±	1.0E-02	
	¹³⁷ Cs	2.0E-02	±	8.0E-03			¹³⁷ Cs	2.8E-02	±	9.5E-03	
	¹⁵² Eu	-1.4E-02	±	1.6E-02	U		¹⁵² Eu	3.6E-04	±	3.6E-03	U
	¹⁵⁴ Eu	-2.7E-03	±	1.9E-02	U		¹⁵⁴ Eu	-2.7E-03	±	1.9E-02	U
	¹⁵⁵ Eu	5.1E-02	±	3.6E-02			¹⁵⁵ Eu	1.9E-02	±	2.6E-02	U
	²³⁸ Pu	-6.1E-03	±	1.9E-02	U		²³⁸ Pu	-3.0E-02	±	3.0E-02	U
	^{239,240} Pu	1.2E-02	±	9.7E-03			^{239,240} Pu	1.8E-03	±	6.3E-03	U
	¹⁰³ Ru	2.0E-03	±	5.5E-03	U		¹⁰³ Ru	-9.3E-04	±	5.7E-03	U
	¹⁰⁶ Ru	3.1E-03	±	3.1E-02	U		¹⁰⁶ Ru	-2.7E-02	±	4.5E-02	U
	¹²⁵ Sb	5.7E-03	±	1.4E-02	U		¹²⁵ Sb	-8.2E-03	±	1.5E-02	U
	¹¹³ Sn	-1.4E-03	±	6.9E-03	U		¹¹³ Sn	-2.2E-03	±	7.2E-03	U
	⁹⁰ Sr	1.6E-01	±	9.9E-02			⁹⁰ Sr	3.8E-02	±	8.7E-02	U
	²³⁴ U	5.8E-01	±	1.3E-01			²³⁴ U	1.7E-01	±	4.8E-02	
	²³⁵ U	2.1E-02	±	1.9E-02	U		²³⁵ U	1.6E-02	±	1.2E-02	
	²³⁸ U	6.4E-01	±	1.4E-01			²³⁸ U	1.6E-01	±	4.6E-02	
	⁶⁵ Zn	2.4E-03	±	2.0E-02	U		⁶⁵ Zn	-1.3E-04	±	1.3E-03	U
D124 (300 Area)	¹⁴⁴ Ce	1.1E-02	±	1.1E-01	U	D125 (300 Area)	¹⁴⁴ Ce	3.9E-02	±	1.1E-01	U
	⁶⁰ Co	-4.2E-04	±	4.2E-03	U		⁶⁰ Co	-4.0E-03	±	7.3E-03	U
	¹³⁴ Cs	2.1E-02	±	1.0E-02			¹³⁴ Cs	3.4E-02	±	1.2E-02	
	¹³⁷ Cs	4.0E-02	±	1.1E-02			¹³⁷ Cs	9.2E-03	±	7.1E-03	U
	¹⁵² Eu	-2.7E-02	±	3.7E-02	U		¹⁵² Eu	-1.5E-02	±	2.1E-02	U
	¹⁵⁴ Eu	-2.6E-02	±	2.6E-02	U		¹⁵⁴ Eu	-5.0E-03	±	2.1E-02	U
	¹⁵⁵ Eu	4.3E-02	±	3.3E-02	U		¹⁵⁵ Eu	5.0E-02	±	3.5E-02	
	²³⁸ Pu	1.4E-02	±	2.2E-02	U		²³⁸ Pu	2.9E-02	±	2.6E-02	U
	^{239,240} Pu	7.1E-03	±	9.9E-03	U		^{239,240} Pu	6.8E-03	±	6.8E-03	
	¹⁰³ Ru	-1.1E-03	±	6.7E-03	U		¹⁰³ Ru	-4.4E-03	±	6.2E-03	U
	¹⁰⁶ Ru	-1.4E-02	±	5.4E-02	U		¹⁰⁶ Ru	-2.1E-02	±	5.4E-02	U
	¹²⁵ Sb	8.3E-03	±	1.7E-02	U		¹²⁵ Sb	8.5E-04	±	8.5E-03	U
	¹¹³ Sn	6.9E-04	±	6.9E-03	U		¹¹³ Sn	-6.5E-04	±	6.5E-03	U
	⁹⁰ Sr	2.0E-02	±	7.5E-02	U		⁹⁰ Sr	5.1E-02	±	9.9E-02	U
	²³⁴ U	2.4E-01	±	6.2E-02			²³⁴ U	1.4E-01	±	4.1E-02	
	²³⁵ U	9.4E-03	±	8.6E-03			²³⁵ U	1.4E-02	±	1.1E-02	
	²³⁸ U	2.3E-01	±	6.0E-02			²³⁸ U	1.4E-01	±	3.9E-02	
	⁶⁵ Zn	2.6E-02	±	1.8E-02	U		⁶⁵ Zn	-1.7E-02	±	1.8E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
D126 (300 Area)	¹⁴⁴ Ce	-3.9E-03	\pm	3.9E-02	U	D127 (300 Area)	¹⁴⁴ Ce	-1.1E-01	\pm	1.2E-01	U
	⁶⁰ Co	-4.1E-03	\pm	5.3E-03	U		⁶⁰ Co	-1.3E-03	\pm	6.8E-03	U
	¹³⁴ Cs	3.4E-02	\pm	8.7E-03			¹³⁴ Cs	3.6E-02	\pm	1.3E-02	
	¹³⁷ Cs	1.1E-02	\pm	6.9E-03			¹³⁷ Cs	2.3E-01	\pm	3.4E-02	
	¹⁵² Eu	-1.8E-02	\pm	1.8E-02	U		¹⁵² Eu	1.3E-02	\pm	2.6E-02	U
	¹⁵⁴ Eu	-1.2E-02	\pm	2.0E-02	U		¹⁵⁴ Eu	-3.0E-02	\pm	3.0E-02	U
	¹⁵⁵ Eu	-2.0E-03	\pm	2.0E-02	U		¹⁵⁵ Eu	4.3E-02	\pm	3.0E-02	U
	²³⁸ Pu	-1.2E-02	\pm	2.6E-02	U		²³⁸ Pu	-2.1E-03	\pm	2.1E-02	U
	^{239,240} Pu	-1.0E-02	\pm	1.0E-02	U		^{239,240} Pu	6.4E-03	\pm	7.7E-03	
	¹⁰³ Ru	4.6E-04	\pm	4.6E-03	U		¹⁰³ Ru	2.3E-03	\pm	7.5E-03	U
	¹⁰⁶ Ru	2.3E-02	\pm	4.5E-02	U		¹⁰⁶ Ru	2.0E-02	\pm	5.8E-02	U
	¹²⁵ Sb	5.4E-03	\pm	1.4E-02	U		¹²⁵ Sb	3.5E-03	\pm	1.9E-02	U
	¹¹³ Sn	-4.1E-03	\pm	8.0E-03	U		¹¹³ Sn	-9.4E-03	\pm	9.4E-03	U
	⁹⁰ Sr	1.5E-02	\pm	9.2E-02	U		⁹⁰ Sr	3.0E-02	\pm	1.0E-01	U
	²³⁴ U	1.4E-01	\pm	4.2E-02			²³⁴ U	3.2E-01	\pm	8.0E-02	
	²³⁵ U	1.5E-02	\pm	1.2E-02			²³⁵ U	2.4E-02	\pm	1.7E-02	
	²³⁸ U	1.3E-01	\pm	4.0E-02			²³⁸ U	3.5E-01	\pm	8.7E-02	
	⁶⁵ Zn	4.5E-03	\pm	1.4E-02	U		⁶⁵ Zn	7.6E-03	\pm	1.9E-02	U
D128 (300 Area)	¹⁴⁴ Ce	-4.6E-02	\pm	9.9E-02	U	D129 (300 Area)	¹⁴⁴ Ce	-5.1E-02	\pm	1.1E-01	U
	⁶⁰ Co	7.8E-04	\pm	6.3E-03	U		⁶⁰ Co	-1.5E-03	\pm	5.4E-03	U
	¹³⁴ Cs	3.2E-02	\pm	9.0E-03			¹³⁴ Cs	4.7E-02	\pm	1.2E-02	
	¹³⁷ Cs	1.4E-01	\pm	2.4E-02			¹³⁷ Cs	3.4E-03	\pm	6.0E-03	U
	¹⁵² Eu	2.4E-03	\pm	2.1E-02	U		¹⁵² Eu	1.4E-03	\pm	1.4E-02	U
	¹⁵⁴ Eu	-1.7E-02	\pm	2.0E-02	U		¹⁵⁴ Eu	-1.2E-02	\pm	1.9E-02	U
	¹⁵⁵ Eu	4.2E-02	\pm	3.3E-02			¹⁵⁵ Eu	2.6E-02	\pm	2.8E-02	U
	²³⁸ Pu	-3.4E-03	\pm	2.0E-02	U		²³⁸ Pu	-1.4E-02	\pm	2.5E-02	U
	^{239,240} Pu	1.0E-02	\pm	1.1E-02	U		^{239,240} Pu	1.7E-03	\pm	1.7E-02	U
	¹⁰³ Ru	7.1E-03	\pm	6.2E-03	U		¹⁰³ Ru	-2.4E-03	\pm	6.0E-03	U
	¹⁰⁶ Ru	-3.5E-02	\pm	5.4E-02	U		¹⁰⁶ Ru	-1.6E-03	\pm	1.6E-02	U
	¹²⁵ Sb	-6.1E-03	\pm	1.6E-02	U		¹²⁵ Sb	1.4E-02	\pm	1.6E-02	U
	¹¹³ Sn	-5.7E-03	\pm	7.4E-03	U		¹¹³ Sn	1.2E-03	\pm	7.7E-03	U
	⁹⁰ Sr	-8.3E-02	\pm	1.0E-01	U		⁹⁰ Sr	1.0E-02	\pm	1.0E-01	U
	²³⁴ U	3.4E-01	\pm	8.2E-02			²³⁴ U	1.8E-01	\pm	5.4E-02	
	²³⁵ U	3.5E-02	\pm	1.9E-02			²³⁵ U	5.2E-03	\pm	7.3E-03	U
	²³⁸ U	4.5E-01	\pm	1.0E-01			²³⁸ U	1.5E-01	\pm	4.8E-02	
	⁶⁵ Zn	1.1E-02	\pm	1.6E-02	U		⁶⁵ Zn	-4.8E-03	\pm	2.2E-02	U

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

Table 3-3. 2002 Soil Sampling Results, (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
D130	¹⁴⁴ Ce	-1.1E-01	±	1.1E-01	U	D131	¹⁴⁴ Ce	-3.6E-02	±	1.2E-01	U
(400 Area)	⁶⁰ Co	7.4E-04	±	5.5E-03	U	(Duplicate of D119,	⁶⁰ Co	1.6E-03	±	5.1E-03	U
	¹³⁴ Cs	2.3E-02	±	8.8E-03		300 Area)	¹³⁴ Cs	2.9E-02	±	8.3E-03	
	¹³⁷ Cs	1.2E-01	±	2.2E-02			¹³⁷ Cs	1.3E-01	±	2.1E-02	
	¹⁵² Eu	-1.1E-03	±	1.1E-02	U		¹⁵² Eu	8.4E-03	±	1.8E-02	U
	¹⁵⁴ Eu	-5.5E-03	±	1.9E-02	U		¹⁵⁴ Eu	-1.5E-02	±	1.8E-02	U
	¹⁵⁵ Eu	5.6E-03	±	2.4E-02	U		¹⁵⁵ Eu	4.4E-03	±	3.2E-02	U
	²³⁸ Pu	-1.3E-02	±	2.5E-02	U		²³⁸ Pu	5.2E-03	±	3.2E-02	U
	^{239,240} Pu	7.5E-03	±	1.0E-02	U		^{239,240} Pu	1.6E-01	±	4.6E-02	
	¹⁰³ Ru	-4.7E-03	±	6.0E-03	U		¹⁰³ Ru	4.8E-04	±	4.7E-03	U
	¹⁰⁶ Ru	2.1E-02	±	5.1E-02	U		¹⁰⁶ Ru	2.6E-02	±	5.4E-02	U
	¹²⁵ Sb	1.2E-02	±	1.5E-02	U		¹²⁵ Sb	6.2E-03	±	1.6E-02	U
	¹¹³ Sn	-3.1E-03	±	7.5E-03	U		¹¹³ Sn	-1.2E-03	±	7.6E-03	U
	⁹⁰ Sr	-6.6E-02	±	6.6E-02	U		⁹⁰ Sr	-2.3E-02	±	1.0E-01	U
	²³⁴ U	1.4E-01	±	4.2E-02			²³⁴ U	1.2E+01	±	2.3E+00	
	²³⁵ U	2.1E-02	±	1.4E-02			²³⁵ U	6.5E-01	±	1.6E-01	
	²³⁸ U	1.8E-01	±	5.0E-02			²³⁸ U	1.2E+01	±	2.3E+00	
	⁶⁵ Zn	1.0E-02	±	1.5E-02	U		⁶⁵ Zn	-3.3E-04	±	3.3E-03	U
D139	¹⁴⁴ Ce	8.8E-03	±	8.8E-02	U	D140	¹⁴⁴ Ce	-5.8E-02	±	9.9E-02	U
(Duplicate of D118, 300 Area)	⁶⁰ Co	-7.2E-05	±	7.2E-04	U	(Duplicate of D123, 300 Area)	⁶⁰ Co	1.9E-03	±	6.3E-03	U
	¹³⁴ Cs	2.4E-02	±	8.8E-03			¹³⁴ Cs	3.1E-02	±	1.2E-02	
	¹³⁷ Cs	2.2E-02	±	8.6E-03			¹³⁷ Cs	1.8E-02	±	1.1E-02	
	¹⁵² Eu	-8.4E-03	±	2.7E-02	U		¹⁵² Eu	-1.2E-02	±	2.8E-02	U
	¹⁵⁴ Eu	-1.8E-02	±	2.0E-02	U		¹⁵⁴ Eu	-1.4E-02	±	2.1E-02	U
	¹⁵⁵ Eu	1.8E-02	±	2.6E-02	U		¹⁵⁵ Eu	5.9E-02	±	3.3E-02	
	²³⁸ Pu	1.4E-02	±	3.1E-02	U		²³⁸ Pu	2.3E-02	±	2.5E-02	U
	^{239,240} Pu	3.5E-03	±	7.0E-03	U		^{239,240} Pu	8.0E-03	±	8.8E-03	U
	¹⁰³ Ru	8.4E-04	±	6.4E-03	U		¹⁰³ Ru	-2.4E-03	±	6.0E-03	U
	¹⁰⁶ Ru	5.9E-02	±	5.4E-02	U		¹⁰⁶ Ru	-3.6E-02	±	5.4E-02	U
	¹²⁵ Sb	2.8E-03	±	1.9E-02	U		¹²⁵ Sb	1.5E-02	±	1.9E-02	U
	¹¹³ Sn	-2.9E-03	±	8.1E-03	U		¹¹³ Sn	-8.4E-04	±	7.5E-03	U
	⁹⁰ Sr	-7.1E-02	±	9.2E-02	U		⁹⁰ Sr	1.3E-01	±	1.3E-01	U
	²³⁴ U	3.9E-01	±	9.4E-02			²³⁴ U	1.6E-01	±	4.6E-02	
	²³⁵ U	3.8E-02	±	2.1E-02			²³⁵ U	1.0E-02	±	1.2E-02	U
	²³⁸ U	4.0E-01	±	9.2E-02			²³⁸ U	2.1E-01	±	5.5E-02	
	⁶⁵ Zn	2.2E-02	±	1.8E-02	U		⁶⁵ Zn	2.3E-02	±	1.7E-02	U

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

Figure 3-10. 2002 Vegetation Sampling Locations, 100 N Area.

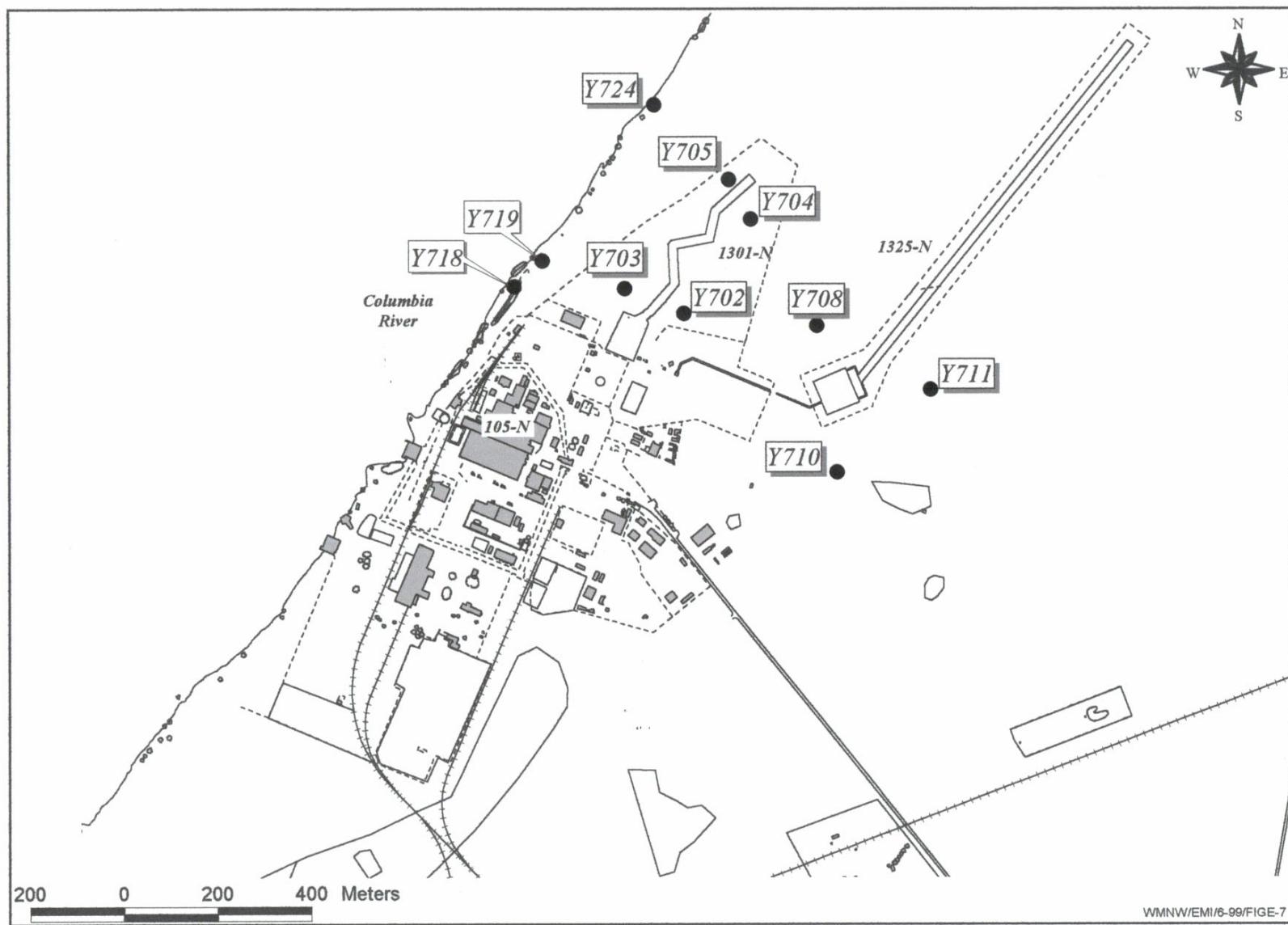


Figure 3-11. 2002 Vegetation Sampling Locations, 200 East Area.

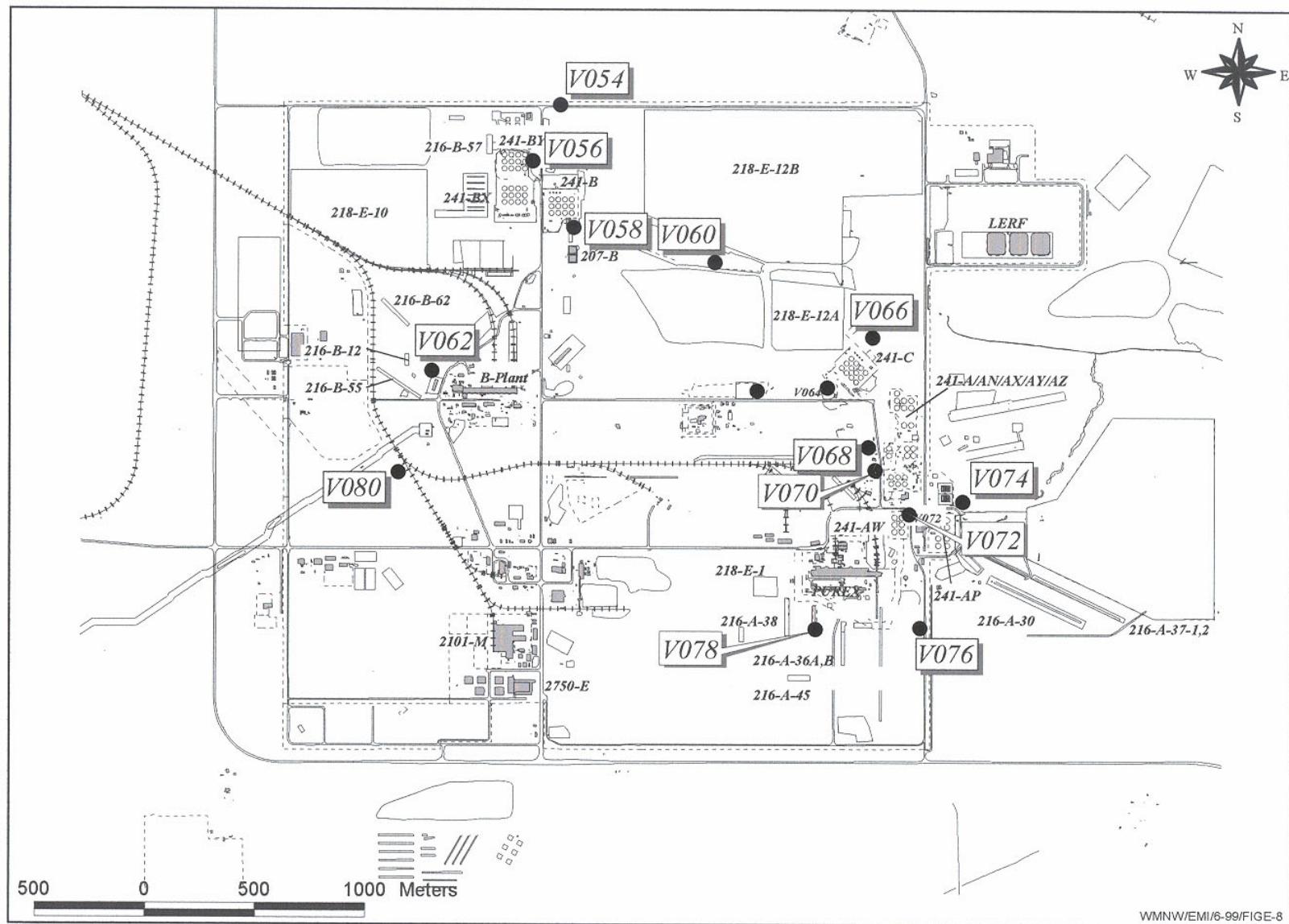


Figure 3-12. 2002 Vegetation Sampling Locations, 200 West Area.

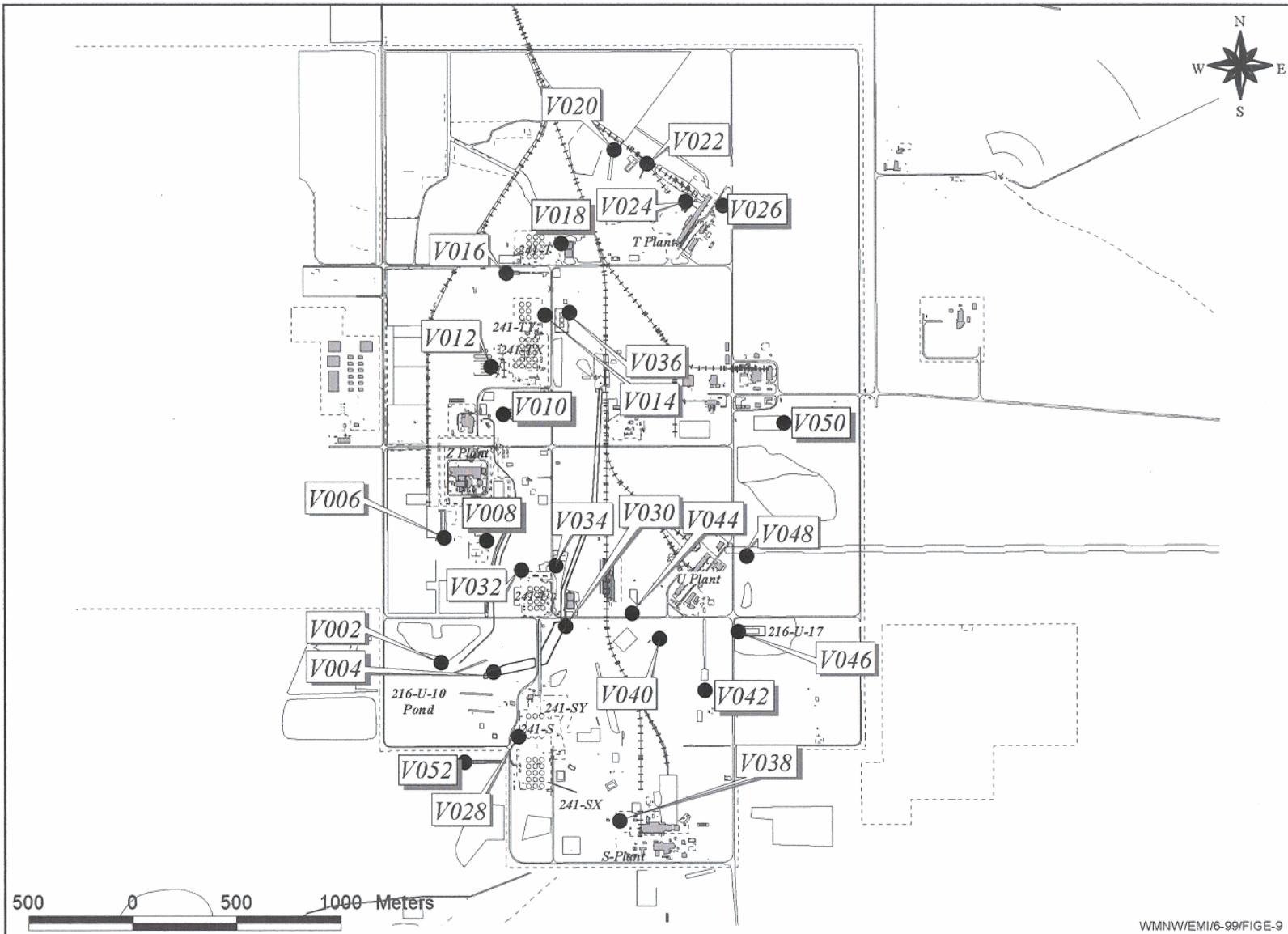
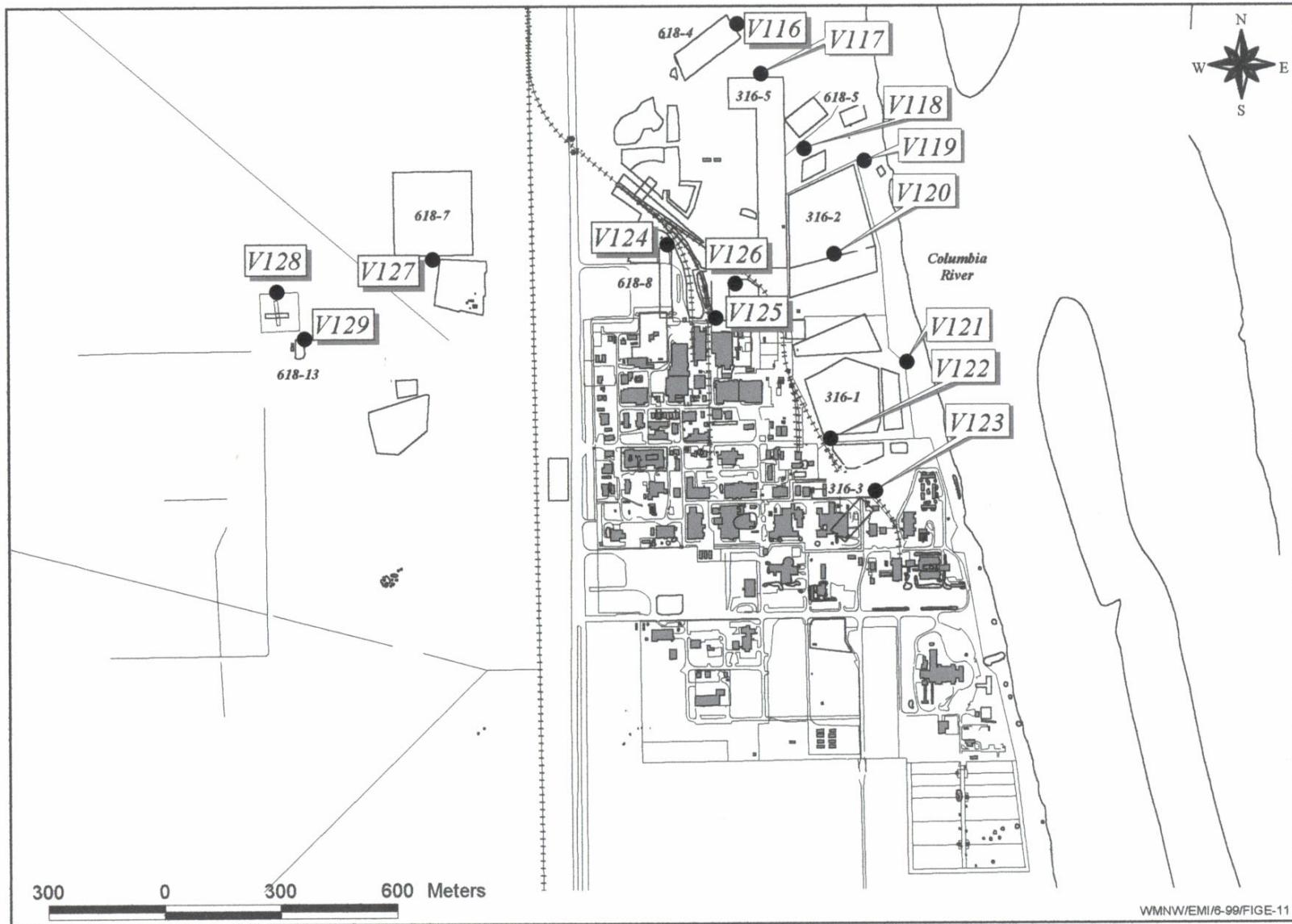


Figure 3-13. 2002 Vegetation Sampling Locations, 300 Area.



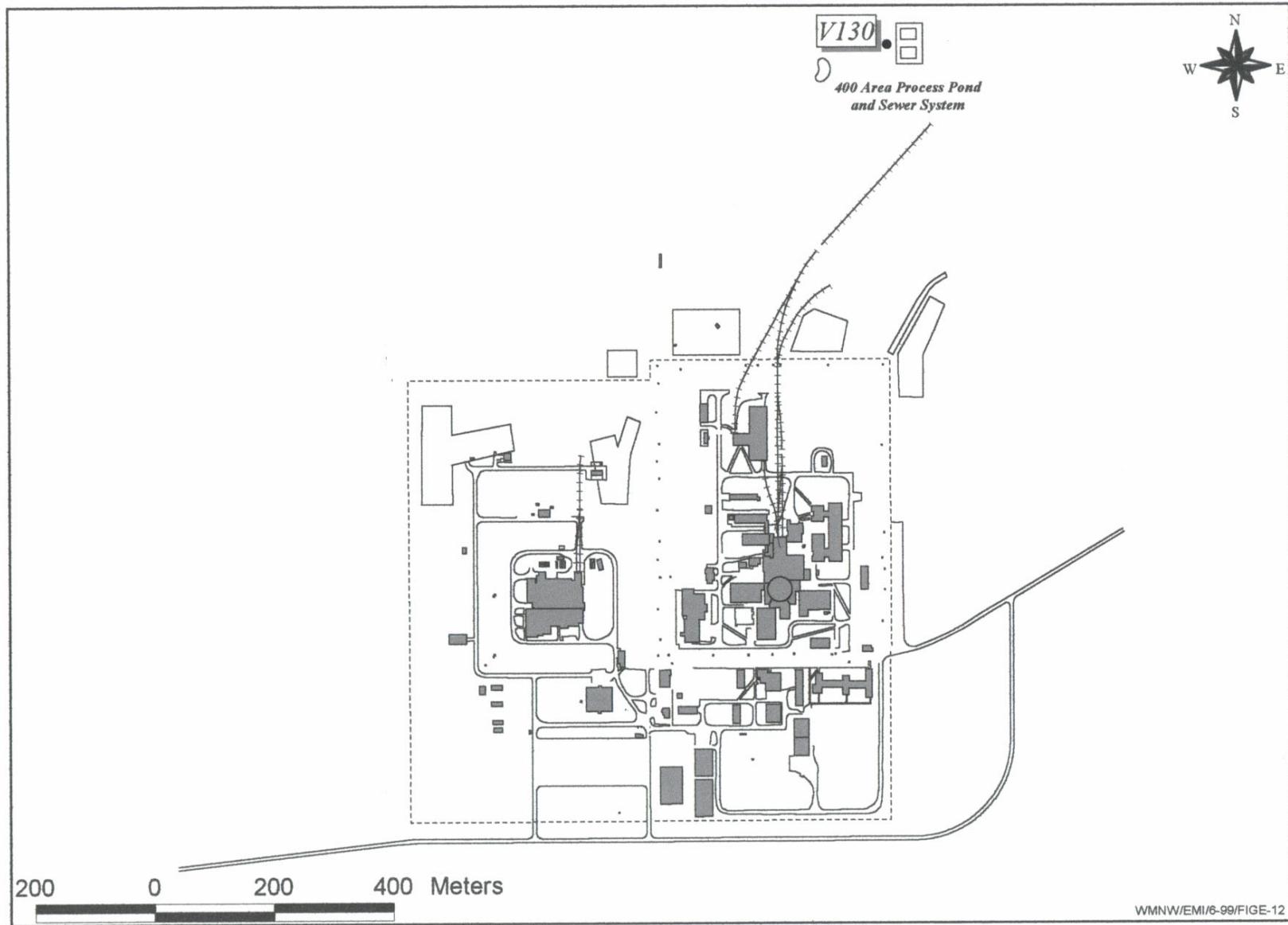


Figure 3-14. 2002 Vegetation Sampling Locations, 400 Area.

WMNW/EMI/6-99/FIGE-12

Figure 3-15. 2002 Vegetation Sampling Locations, 600 Area.

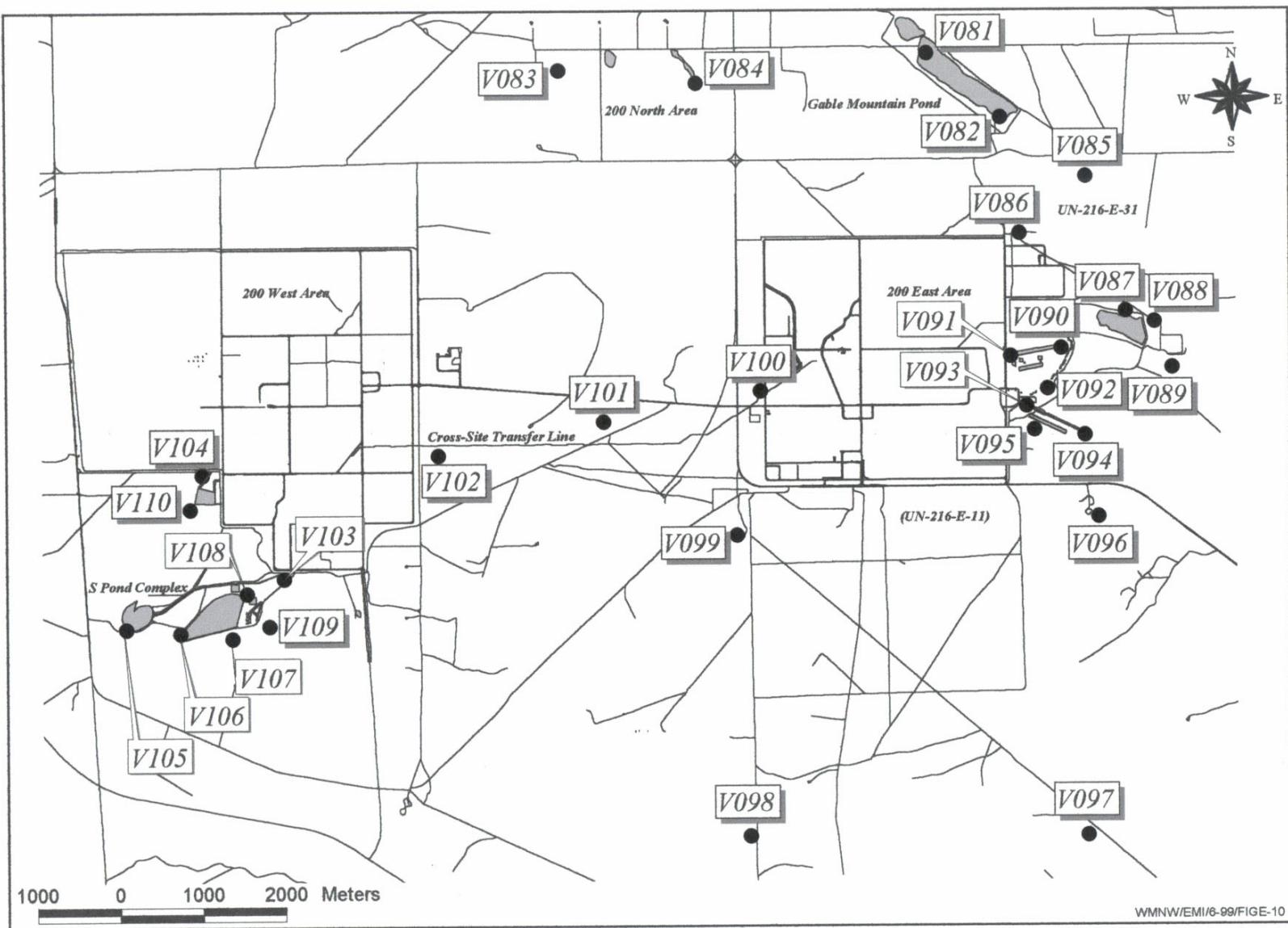


Table 3-4. Average Radionuclide Concentrations (pCi/g^a)
in Hanford Vegetation, 1995 through 2002.

Year	<u>100 N Area</u>					
	⁶⁰ Co	⁹⁰ Sr	¹³⁷ Cs	²³⁴ U	²³⁸ U	^{239,240} Pu
1995	3.1E-02 ± 2.5E-01	1.3E+00 ± 6.2E+00	7.4E-02 ± 1.8E-01	6.7E-03 ± 2.4E-02	6.0E-03 ± 1.7E-02	3.5E-03 ± 8.0E-03
1996	2.4E+00 ± 1.4E+01	2.3E+02 ± 1.3E+03	1.1E+03 ± 6.4E+03	2.6E-02 ± 1.1E-01	2.9E-03 ± 7.4E-02	Not Detected
1997	5.5E-02 ± 2.6E-01	2.6E+00 ± 1.2E+01	1.0E-01 ± 2.0E-01	1.3E-02 ± 1.2E+01	9.1E-03 ± 1.4E-02	Not Detected
1998	6.2E-01 ± 1.3E+00	1.2E+01 ± 3.2E+01	3.8E+01 ± 9.4E+01	1.4E-02 ± 1.8E-02	8.7E-03 ± 1.3E-02	1.8E-03 ± 4.3E-03
1999	6.1E-01 ± 1.4E+00	9.1E+01 ± 3.0E+02	2.5E+02 ± 6.7E+02	2.8E-02 ± 3.1E-02	2.1E-02 ± 2.2E-02	1.1E-02 ± 1.9E-02
2000	4.8E-02 ± 8.7E-02	5.7E+00 ± 1.6E+01	2.0E-01 ± 1.6E-01	3.3E-02 ± 7.0E-02	2.4E-02 ± 4.1E-02	3.6E-04 ± 3.8E-02
2001	8.9E-01 ± 2.3E+00	3.5E+00 ± 8.4E+00	3.8E-01 ± 4.5E-01	9.8E-03 ± 7.4E-03	9.2E-03 ± 7.4E-03	2.4E-02 ± 3.2E-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
<u>200/600 Areas</u>						
Year	⁶⁰ Co	⁹⁰ Sr	¹³⁷ Cs	²³⁴ U	²³⁸ U	^{239,240} Pu
1995	1.6E-02 ± 1.5E-01	1.9E+00 ± 6.1E+00	1.6E-01 ± 9.9E-01	1.1E-02 ± 4.7E-02	7.9E-03 ± 3.2E-02	4.9E-03 ± 2.1E-02
1996	2.6E-02 ± 1.7E-01	3.7E-01 ± 1.3E+00	6.9E-02 ± 2.1E-01	5.0E-03 ± 7.3E-03	5.0E-03 ± 7.2E-03	5.5E-03 ± 2.9E-02
1997	Not Detected	1.8E+00 ± 1.0E+01	6.6E-02 ± 2.1E-01	1.5E-02 ± 1.5E-02	1.1E-02 ± 1.4E-02	3.3E-03 ± 6.3E-03
1998	Not Detected	1.4E-01 ± 5.0E-01	5.1E-02 ± 1.8E-01	1.6E-02 ± 1.9E-02	9.5E-03 ± 8.5E-03	7.0E-03 ± 2.4E-02
1999	Not Detected	7.9E-01 ± 2.3E+00	1.3E-01 ± 1.8E-01	3.3E-02 ± 3.8E-02	2.3E-02 ± 2.8E-02	8.7E-03 ± 1.7E-02
2000	Not Detected	1.3E+00 ± 3.3E+00	1.6E-01 ± 2.1E-01	2.0E-02 ± 1.9E-02	1.4E-02 ± 1.7E-02	3.3E-02 ± 6.1E-02
2001	Not Detected	1.0E+00 ± 2.3E+00	1.7E-01 ± 2.4E-01	1.9E-02 ± 1.9E-02	1.8E-02 ± 1.8E-02	2.1E-02 ± 3.2E-02
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
<u>300/400 Area</u>						
Year	⁶⁰ Co	⁹⁰ Sr	¹³⁷ Cs	²³⁴ U	²³⁸ U	^{239,240} Pu
1995	4.2E-02 ± 2.1E-02	5.1E-02 ± 9.6E-02	3.8E-03 ± 1.4E-01	5.6E-02 ± 1.6E-01	5.4E-02 ± 1.6E-01	3.6E-04 ± 7.3E-04
1996	7.1E-03 ± 8.8E-02	6.3E-02 ± 1.0E-01	1.6E-02 ± 6.6E-02	4.9E-02 ± 1.6E-01	4.7E-02 ± 1.5E-01	3.8E-04 ± 7.7E-04
1997	Not Detected	1.3E-01 ± 6.4E-01	Not Detected	6.9E-02 ± 6.4E-01	6.2E-02 ± 1.8E-01	1.2E-03 ± 2.0E-03
1998	Not Detected	1.7E-02 ± 9.2E-02	Not Detected	4.6E-02 ± 1.2E-01	4.0E-02 ± 1.2E-01	3.2E-03 ± 1.1E-02
1999	Not Detected	4.5E-01 ± 2.5E-01	Not Detected	9.4E-02 ± 2.0E-01	8.9E-01 ± 1.9E-01	5.0E-03 ± 6.4E-03
2000	Not Detected	2.1E-01 ± 1.5E-01	Not Detected	1.8E-02 ± 7.2E-01	1.7E-02 ± 7.3E-01	3.8E-03 ± 7.8E-03
2001	Not Detected	2.6E-01 ± 3.9E-01	Not Detected	9.8E-02 ± 3.3E-01	1.1E-01 ± 3.3E-01	2.9E-03 ± 3.5E-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

a - ± 2 standard deviations.

Table 3-5. 2002 Vegetation Sampling Results (pCi/g ± total analytical uncertainty).

Location	Isotope	Result	± Uncertainty	RQ*	Location	Isotope	Result	± Uncertainty	RQ*
Y711	¹⁴⁴ Ce	2.3E-02	± 4.2E-02	U	Y718	¹⁴⁴ Ce	4.9E-03	± 4.6E-02	U
(100-N)	⁶⁰ Co	3.7E-03	± 3.4E-03	U	(N Springs	⁶⁰ Co	7.7E-03	± 4.1E-03	
	¹³⁴ Cs	-1.3E-03	± 3.2E-03	U	Shoreline)	¹³⁴ Cs	8.0E-04	± 4.1E-03	U
	¹³⁷ Cs	-2.0E-03	± 3.2E-03	U		¹³⁷ Cs	8.2E-03	± 4.8E-03	
	¹⁵² Eu	-8.3E-03	± 9.1E-03	U		¹⁵² Eu	-4.8E-03	± 1.0E-02	U
	¹⁵⁴ Eu	2.6E-03	± 1.1E-02	U		¹⁵⁴ Eu	-5.9E-04	± 5.9E-03	U
	¹⁵⁵ Eu	1.3E-02	± 1.6E-02	U		¹⁵⁵ Eu	-4.7E-03	± 1.2E-02	U
	²³⁸ Pu	-2.5E-03	± 1.3E-02	U		²³⁸ Pu	7.9E-03	± 1.6E-02	U
	^{239,240} Pu	8.3E-04	± 2.9E-03	U		^{239,240} Pu	4.4E-03	± 4.0E-03	
	¹⁰³ Ru	6.0E-04	± 3.0E-03	U		¹⁰³ Ru	6.3E-04	± 3.3E-03	U
	¹⁰⁶ Ru	-4.7E-03	± 2.7E-02	U		¹⁰⁶ Ru	1.4E-03	± 1.4E-02	U
	¹²⁵ Sb	3.1E-03	± 8.9E-03	U		¹²⁵ Sb	8.9E-04	± 8.9E-03	U
	¹¹³ Sn	1.1E-04	± 1.1E-03	U		¹¹³ Sn	-1.8E-03	± 4.4E-03	U
	⁹⁰ Sr	1.6E-01	± 1.1E-01			⁹⁰ Sr	4.2E-01	± 1.3E-01	
	²³⁴ U	1.3E-02	± 8.3E-03			²³⁴ U	1.0E-02	± 7.3E-03	
	²³⁵ U	5.1E-03	± 4.9E-03	U		²³⁵ U	4.0E-03	± 5.6E-03	U
	²³⁸ U	5.4E-03	± 4.2E-03			²³⁸ U	7.3E-03	± 5.9E-03	
	⁶⁵ Zn	-1.2E-03	± 7.8E-03	U		⁶⁵ Zn	4.5E-03	± 7.7E-03	U
Y719	¹⁴⁴ Ce	-1.1E-02	± 4.4E-02	U	Y724	¹⁴⁴ Ce	7.3E-03	± 3.3E-02	U
(N Springs	⁶⁰ Co	3.0E-03	± 3.8E-03	U	(N Springs	⁶⁰ Co	2.8E-04	± 2.8E-03	U
Shoreline)	¹³⁴ Cs	-2.3E-04	± 2.3E-03	U	Shoreline)	¹³⁴ Cs	-2.3E-03	± 4.1E-03	U
	¹³⁷ Cs	4.5E-03	± 3.9E-03	U		¹³⁷ Cs	-8.8E-04	± 3.1E-03	U
	¹⁵² Eu	4.7E-03	± 9.7E-03	U		¹⁵² Eu	3.2E-03	± 8.0E-03	U
	¹⁵⁴ Eu	-9.1E-03	± 1.1E-02	U		¹⁵⁴ Eu	-7.7E-03	± 1.0E-02	U
	¹⁵⁵ Eu	-9.9E-03	± 1.2E-02	U		¹⁵⁵ Eu	-2.9E-03	± 9.2E-03	U
	²³⁸ Pu	3.3E-03	± 1.3E-02	U		²³⁸ Pu	-8.2E-04	± 8.2E-03	U
	^{239,240} Pu	8.2E-04	± 8.2E-04	U		^{239,240} Pu	1.6E-03	± 4.5E-03	U
	¹⁰³ Ru	2.8E-03	± 3.9E-03	U		¹⁰³ Ru	-8.0E-04	± 2.6E-03	U
	¹⁰⁶ Ru	-1.4E-02	± 3.2E-02	U		¹⁰⁶ Ru	-1.2E-02	± 2.5E-02	U
	¹²⁵ Sb	-6.8E-04	± 6.8E-03	U		¹²⁵ Sb	7.1E-03	± 7.3E-03	U
	¹¹³ Sn	-1.4E-03	± 4.3E-03	U		¹¹³ Sn	-4.1E-03	± 4.1E-03	U
	⁹⁰ Sr	2.1E+01	± 2.9E+00			⁹⁰ Sr	1.2E-01	± 1.0E-01	
	²³⁴ U	9.5E-03	± 7.7E-03	U		²³⁴ U	6.7E-03	± 6.4E-03	U
	²³⁵ U	3.8E-03	± 5.3E-03	U		²³⁵ U	3.6E-03	± 3.6E-03	
	²³⁸ U	3.5E-03	± 4.9E-03	U		²³⁸ U	4.2E-03	± 4.6E-03	U
	⁶⁵ Zn	1.2E-02	± 9.7E-03	U		⁶⁵ Zn	6.4E-03	± 8.4E-03	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	±	Uncertainty	RQ*	Location	Isotope	Result	±	Uncertainty	RQ*
V002 (200 West)	¹⁴⁴ Ce	-2.7E-01	±	6.0E-01	U	V004 (200 West)	¹⁴⁴ Ce	1.2E-01	±	3.8E-01	U
	⁶⁰ Co	-2.7E-02	±	4.5E-02	U		⁶⁰ Co	2.2E-02	±	3.1E-02	U
	¹³⁴ Cs	-4.5E-03	±	4.5E-02	U		¹³⁴ Cs	-7.4E-04	±	7.4E-03	U
	¹³⁷ Cs	1.3E-01	±	6.5E-02			¹³⁷ Cs	7.8E-02	±	3.7E-02	
	¹⁵² Eu	-2.8E-02	±	1.3E-01	U		¹⁵² Eu	1.6E-02	±	7.5E-02	U
	¹⁵⁴ Eu	-8.7E-02	±	1.5E-01	U		¹⁵⁴ Eu	-1.0E-01	±	1.0E-01	U
	¹⁵⁵ Eu	-6.8E-02	±	1.6E-01	U		¹⁵⁵ Eu	-5.1E-03	±	5.1E-02	U
	²³⁸ Pu	2.0E-02	±	1.6E-02	U		²³⁸ Pu	-8.6E-03	±	1.5E-02	U
	^{239,240} Pu	8.5E-03	±	5.6E-03			^{239,240} Pu	6.0E-03	±	5.8E-03	
	¹⁰³ Ru	1.7E-02	±	4.8E-02	U		¹⁰³ Ru	-4.6E-03	±	2.9E-02	U
	¹⁰⁶ Ru	3.1E-02	±	3.1E-01	U		¹⁰⁶ Ru	-1.0E-01	±	2.2E-01	U
	¹²⁵ Sb	-9.0E-02	±	1.1E-01	U		¹²⁵ Sb	-1.2E-02	±	6.7E-02	U
	¹¹³ Sn	2.4E-02	±	5.5E-02	U		¹¹³ Sn	1.3E-02	±	3.3E-02	U
	⁹⁰ Sr	2.4E-01	±	1.1E-01			⁹⁰ Sr	3.2E+00	±	6.4E-01	
	²³⁴ U	1.7E-02	±	8.3E-03			²³⁴ U	3.8E-02	±	1.4E-02	
	²³⁵ U	1.7E-03	±	3.4E-03	U		²³⁵ U	5.5E-03	±	5.3E-03	U
	²³⁸ U	1.3E-02	±	6.9E-03			²³⁸ U	3.9E-02	±	1.4E-02	
	⁶⁵ Zn	7.0E-02	±	1.2E-01	U		⁶⁵ Zn	5.4E-02	±	7.5E-02	U
V006 (200 West)	¹⁴⁴ Ce	-1.2E-03	±	1.2E-02	U	V008 (200 West)	¹⁴⁴ Ce	7.9E-01	±	1.3E+00	U
	⁶⁰ Co	-1.1E-02	±	3.9E-02	U		⁶⁰ Co	-1.7E-03	±	1.7E-02	U
	¹³⁴ Cs	1.6E-02	±	3.9E-02	U		¹³⁴ Cs	9.4E-03	±	9.4E-02	U
	¹³⁷ Cs	4.4E-02	±	3.9E-02	U		¹³⁷ Cs	5.6E-02	±	1.1E-01	U
	¹⁵² Eu	-3.7E-02	±	1.0E-01	U		¹⁵² Eu	1.1E-01	±	2.8E-01	U
	¹⁵⁴ Eu	-6.8E-02	±	1.3E-01	U		¹⁵⁴ Eu	-1.4E-01	±	2.8E-01	U
	¹⁵⁵ Eu	4.2E-02	±	1.1E-01	U		¹⁵⁵ Eu	-9.9E-03	±	9.9E-02	U
	²³⁸ Pu	-5.9E-03	±	1.4E-02	U		²³⁸ Pu	-5.0E-03	±	1.3E-02	U
	^{239,240} Pu	4.0E-03	±	4.0E-03			^{239,240} Pu	1.3E-02	±	7.3E-03	
	¹⁰³ Ru	2.7E-02	±	3.9E-02	U		¹⁰³ Ru	8.1E-02	±	1.3E-01	U
	¹⁰⁶ Ru	1.5E-01	±	3.3E-01	U		¹⁰⁶ Ru	-3.4E-01	±	9.3E-01	U
	¹²⁵ Sb	-1.1E-01	±	1.1E-01	U		¹²⁵ Sb	-1.2E-01	±	2.5E-01	U
	¹¹³ Sn	1.6E-03	±	1.5E-02	U		¹¹³ Sn	-1.0E-01	±	1.2E-01	U
	⁹⁰ Sr	4.0E-01	±	1.4E-01			⁹⁰ Sr	4.1E-02	±	8.6E-02	
	²³⁴ U	1.8E-02	±	9.2E-03			²³⁴ U	1.7E-02	±	8.0E-03	
	²³⁵ U	2.9E-03	±	4.4E-03	U		²³⁵ U	4.3E-03	±	3.9E-03	
	²³⁸ U	2.0E-02	±	9.4E-03			²³⁸ U	3.9E-03	±	4.3E-03	U
	⁶⁵ Zn	4.4E-02	±	1.0E-01	U		⁶⁵ Zn	-1.9E-01	±	2.6E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V010 (200 West)	¹⁴⁴ Ce	-1.0E+00	\pm	1.0E+00	U	V012 (200 West)	¹⁴⁴ Ce	9.1E-02	\pm	6.5E-01	U
	⁶⁰ Co	-3.6E-02	\pm	5.0E-02	U		⁶⁰ Co	-4.7E-03	\pm	4.7E-02	U
	¹³⁴ Cs	-2.2E-02	\pm	4.8E-02	U		¹³⁴ Cs	4.8E-02	\pm	5.7E-02	U
	¹³⁷ Cs	1.1E-02	\pm	4.4E-02	U		¹³⁷ Cs	-1.8E-02	\pm	5.4E-02	U
	¹⁵² Eu	-1.6E-01	\pm	1.6E-01	U		¹⁵² Eu	-4.1E-02	\pm	1.5E-01	U
	¹⁵⁴ Eu	-8.3E-02	\pm	1.6E-01	U		¹⁵⁴ Eu	-4.4E-02	\pm	1.5E-01	U
	¹⁵⁵ Eu	-1.0E-02	\pm	1.0E-01	U		¹⁵⁵ Eu	-7.0E-03	\pm	7.0E-02	U
	²³⁸ Pu	-2.1E-03	\pm	1.4E-02	U		²³⁸ Pu	2.0E-03	\pm	1.8E-02	U
	^{239,240} Pu	7.2E-03	\pm	5.6E-03			^{239,240} Pu	4.1E-03	\pm	4.9E-03	U
	¹⁰³ Ru	3.6E-03	\pm	3.6E-02	U		¹⁰³ Ru	-5.8E-03	\pm	5.8E-02	U
	¹⁰⁶ Ru	1.8E-01	\pm	3.9E-01	U		¹⁰⁶ Ru	-2.2E-01	\pm	5.3E-01	U
	¹²⁵ Sb	3.9E-02	\pm	1.2E-01	U		¹²⁵ Sb	-2.7E-02	\pm	1.3E-01	U
	¹¹³ Sn	-3.3E-03	\pm	3.3E-02	U		¹¹³ Sn	-3.7E-02	\pm	6.6E-02	U
	⁹⁰ Sr	9.1E-01	\pm	1.8E-01			⁹⁰ Sr	2.9E-02	\pm	1.1E-01	U
	²³⁴ U	7.7E-03	\pm	6.3E-03	U		²³⁴ U	1.3E-02	\pm	7.9E-03	
	²³⁵ U	3.7E-03	\pm	3.7E-03			²³⁵ U	5.4E-03	\pm	4.5E-03	
	²³⁸ U	8.5E-03	\pm	5.6E-03			²³⁸ U	6.7E-03	\pm	5.4E-03	
	⁶⁵ Zn	3.1E-02	\pm	1.4E-01	U		⁶⁵ Zn	2.3E-02	\pm	1.4E-01	U
V016 (200 West)	¹⁴⁴ Ce	-1.1E-01	\pm	4.7E-01	U	V020 (200 West)	¹⁴⁴ Ce	-1.3E-01	\pm	4.1E-01	U
	⁶⁰ Co	3.7E-02	\pm	3.8E-02	U		⁶⁰ Co	1.4E-02	\pm	3.0E-02	U
	¹³⁴ Cs	3.1E-02	\pm	3.3E-02	U		¹³⁴ Cs	2.8E-02	\pm	2.9E-02	U
	¹³⁷ Cs	4.6E-02	\pm	2.5E-02	U		¹³⁷ Cs	3.3E-02	\pm	3.2E-02	U
	¹⁵² Eu	5.3E-02	\pm	9.9E-02	U		¹⁵² Eu	-7.2E-02	\pm	8.7E-02	U
	¹⁵⁴ Eu	2.0E-02	\pm	1.1E-01	U		¹⁵⁴ Eu	1.5E-02	\pm	9.0E-02	U
	¹⁵⁵ Eu	5.1E-02	\pm	1.2E-01	U		¹⁵⁵ Eu	6.7E-03	\pm	6.7E-02	U
	²³⁸ Pu	-1.7E-02	\pm	1.7E-02	U		²³⁸ Pu	8.1E-03	\pm	1.8E-02	U
	^{239,240} Pu	8.5E-03	\pm	6.5E-03			^{239,240} Pu	9.0E-03	\pm	5.9E-03	
	¹⁰³ Ru	-3.1E-03	\pm	3.1E-02	U		¹⁰³ Ru	-8.6E-03	\pm	2.9E-02	U
	¹⁰⁶ Ru	3.4E-02	\pm	2.7E-01	U		¹⁰⁶ Ru	1.5E-03	\pm	1.5E-02	U
	¹²⁵ Sb	5.0E-03	\pm	5.0E-02	U		¹²⁵ Sb	2.1E-02	\pm	8.4E-02	U
	¹¹³ Sn	-2.2E-02	\pm	5.4E-02	U		¹¹³ Sn	-1.2E-02	\pm	3.8E-02	U
	⁹⁰ Sr	8.9E-02	\pm	1.1E-01	U		⁹⁰ Sr	1.0E-01	\pm	9.5E-02	U
	²³⁴ U	1.9E-02	\pm	8.7E-03			²³⁴ U	1.3E-02	\pm	8.6E-03	
	²³⁵ U	2.7E-03	\pm	3.2E-03			²³⁵ U	3.6E-03	\pm	6.1E-03	U
	²³⁸ U	2.2E-02	\pm	9.5E-03			²³⁸ U	1.4E-02	\pm	7.6E-03	
	⁶⁵ Zn	-2.6E-02	\pm	8.3E-02	U		⁶⁵ Zn	-3.6E-02	\pm	7.1E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V022	¹⁴⁴ Ce	3.4E-01	\pm	3.6E-01	U	V024	¹⁴⁴ Ce	2.4E-02	\pm	2.4E-01	U
(200 West)	⁶⁰ Co	-2.8E-02	\pm	2.8E-02	U	(200 West)	⁶⁰ Co	1.7E-02	\pm	5.4E-02	U
	¹³⁴ Cs	-1.0E-02	\pm	2.9E-02	U		¹³⁴ Cs	-4.2E-02	\pm	5.8E-02	U
	¹³⁷ Cs	8.7E-02	\pm	3.6E-02	U		¹³⁷ Cs	6.3E-02	\pm	5.6E-02	U
	¹⁵² Eu	-1.5E-02	\pm	7.4E-02	U		¹⁵² Eu	5.7E-02	\pm	1.4E-01	U
	¹⁵⁴ Eu	-1.4E-02	\pm	8.6E-02	U		¹⁵⁴ Eu	-1.7E-02	\pm	1.7E-01	U
	¹⁵⁵ Eu	1.9E-02	\pm	8.8E-02	U		¹⁵⁵ Eu	4.1E-02	\pm	1.7E-01	U
	²³⁸ Pu	9.1E-03	\pm	1.7E-02	U		²³⁸ Pu	-1.2E-02	\pm	1.3E-02	U
	^{239,240} Pu	8.1E-03	\pm	6.2E-03			^{239,240} Pu	7.6E-03	\pm	5.5E-03	
	¹⁰³ Ru	-7.7E-03	\pm	3.0E-02	U		¹⁰³ Ru	2.0E-02	\pm	6.3E-02	U
	¹⁰⁶ Ru	-1.6E-01	\pm	2.2E-01	U		¹⁰⁶ Ru	-1.7E-01	\pm	5.0E-01	U
	¹²⁵ Sb	-8.4E-03	\pm	6.8E-02	U		¹²⁵ Sb	2.9E-02	\pm	1.4E-01	U
	¹¹³ Sn	-2.0E-02	\pm	3.5E-02	U		¹¹³ Sn	-2.1E-02	\pm	6.8E-02	U
	⁹⁰ Sr	1.5E-01	\pm	1.1E-01			⁹⁰ Sr	2.0E-01	\pm	1.2E-01	
	²³⁴ U	1.9E-02	\pm	9.3E-03			²³⁴ U	1.7E-02	\pm	9.9E-03	
	²³⁵ U	8.2E-03	\pm	5.7E-03			²³⁵ U	1.9E-03	\pm	3.8E-03	U
	²³⁸ U	2.8E-02	\pm	1.1E-02			²³⁸ U	1.5E-02	\pm	1.0E-02	
	⁶⁵ Zn	1.4E-02	\pm	6.4E-02	U		⁶⁵ Zn	-1.7E-01	\pm	1.7E-01	U
V026	¹⁴⁴ Ce	1.0E-01	\pm	5.0E-01	U	V030	¹⁴⁴ Ce	1.0E-01	\pm	8.4E-01	U
(200 West)	⁶⁰ Co	1.2E-03	\pm	1.2E-02	U	(200 West)	⁶⁰ Co	9.7E-03	\pm	5.3E-02	U
	¹³⁴ Cs	-9.6E-03	\pm	3.3E-02	U		¹³⁴ Cs	-1.1E-03	\pm	1.1E-02	U
	¹³⁷ Cs	8.7E-02	\pm	5.3E-02			¹³⁷ Cs	1.5E+00	\pm	2.3E-01	
	¹⁵² Eu	-1.5E-02	\pm	1.1E-01	U		¹⁵² Eu	5.1E-02	\pm	1.9E-01	U
	¹⁵⁴ Eu	-1.0E-01	\pm	1.0E-01	U		¹⁵⁴ Eu	-2.5E-01	\pm	2.5E-01	U
	¹⁵⁵ Eu	-8.7E-02	\pm	1.2E-01	U		¹⁵⁵ Eu	-2.4E-01	\pm	2.4E-01	U
	²³⁸ Pu	-7.1E-03	\pm	1.4E-02	U		²³⁸ Pu	-8.5E-04	\pm	8.5E-03	U
	^{239,240} Pu	3.7E-02	\pm	1.4E-02			^{239,240} Pu	8.5E-03	\pm	5.6E-03	
	¹⁰³ Ru	-4.8E-02	\pm	4.8E-02	U		¹⁰³ Ru	4.5E-02	\pm	7.4E-02	U
	¹⁰⁶ Ru	-6.8E-02	\pm	3.0E-01	U		¹⁰⁶ Ru	-2.8E-01	\pm	5.3E-01	U
	¹²⁵ Sb	7.2E-02	\pm	1.0E-01	U		¹²⁵ Sb	3.0E-02	\pm	1.7E-01	U
	¹¹³ Sn	-1.2E-03	\pm	1.2E-02	U		¹¹³ Sn	-1.4E-02	\pm	9.3E-02	U
	⁹⁰ Sr	2.8E-01	\pm	9.8E-02			⁹⁰ Sr	2.6E-01	\pm	1.3E-01	
	²³⁴ U	1.4E-02	\pm	8.3E-03			²³⁴ U	3.3E-02	\pm	1.3E-02	
	²³⁵ U	5.6E-03	\pm	5.4E-03	U		²³⁵ U	1.5E-02	\pm	7.8E-03	
	²³⁸ U	1.2E-02	\pm	6.8E-03			²³⁸ U	2.6E-02	\pm	1.0E-02	
	⁶⁵ Zn	-6.9E-03	\pm	6.9E-02	U		⁶⁵ Zn	9.3E-02	\pm	1.5E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V032	¹⁴⁴ Ce	-1.1E-01	\pm	4.2E-01	U	V034	¹⁴⁴ Ce	-2.5E-01	\pm	3.6E-01	U
(200 West)	⁶⁰ Co	1.0E-03	\pm	1.0E-02	U	(200 West)	⁶⁰ Co	2.6E-03	\pm	2.3E-02	U
	¹³⁴ Cs	-1.6E-02	\pm	3.0E-02	U		¹³⁴ Cs	-3.4E-04	\pm	3.4E-03	U
	¹³⁷ Cs	1.3E-01	\pm	6.5E-02			¹³⁷ Cs	1.7E-01	\pm	5.8E-02	
	¹⁵² Eu	-8.9E-02	\pm	9.9E-02	U		¹⁵² Eu	3.3E-02	\pm	7.5E-02	U
	¹⁵⁴ Eu	-1.9E-03	\pm	1.9E-02	U		¹⁵⁴ Eu	-3.5E-02	\pm	7.0E-02	U
	¹⁵⁵ Eu	-5.7E-02	\pm	1.1E-01	U		¹⁵⁵ Eu	-1.9E-03	\pm	1.9E-02	U
	²³⁸ Pu	1.6E-03	\pm	1.4E-02	U		²³⁸ Pu	-5.3E-03	\pm	8.5E-03	U
	^{239,240} Pu	1.4E-02	\pm	8.4E-03			^{239,240} Pu	4.4E-02	\pm	1.5E-02	
	¹⁰³ Ru	-3.4E-04	\pm	3.4E-03	U		¹⁰³ Ru	1.9E-02	\pm	3.2E-02	U
	¹⁰⁶ Ru	1.0E-01	\pm	2.8E-01	U		¹⁰⁶ Ru	-6.1E-02	\pm	2.3E-01	U
	¹²⁵ Sb	-5.6E-03	\pm	5.6E-02	U		¹²⁵ Sb	-4.0E-02	\pm	7.0E-02	U
	¹¹³ Sn	2.0E-02	\pm	4.0E-02	U		¹¹³ Sn	4.9E-03	\pm	3.6E-02	U
	⁹⁰ Sr	3.9E-02	\pm	8.8E-02	U		⁹⁰ Sr	1.6E-01	\pm	9.6E-02	
	²³⁴ U	1.1E-02	\pm	9.1E-03	U		²³⁴ U	9.8E-03	\pm	6.1E-03	
	²³⁵ U	1.7E-03	\pm	3.4E-03	U		²³⁵ U	5.7E-03	\pm	5.0E-03	U
	²³⁸ U	1.1E-02	\pm	6.9E-03			²³⁸ U	7.5E-03	\pm	5.4E-03	
	⁶⁵ Zn	5.0E-03	\pm	5.0E-02	U		⁶⁵ Zn	3.8E-02	\pm	6.8E-02	U
V038	¹⁴⁴ Ce	-4.7E-02	\pm	3.7E-01	U	V040	¹⁴⁴ Ce	3.8E-02	\pm	3.8E-01	U
(200 West)	⁶⁰ Co	1.8E-02	\pm	3.2E-02	U	(200 West)	⁶⁰ Co	6.5E-02	\pm	3.2E-02	
	¹³⁴ Cs	5.1E-02	\pm	3.4E-02	U		¹³⁴ Cs	-6.0E-03	\pm	3.0E-02	U
	¹³⁷ Cs	9.3E-02	\pm	4.3E-02			¹³⁷ Cs	9.1E-02	\pm	4.8E-02	
	¹⁵² Eu	-2.8E-02	\pm	8.7E-02	U		¹⁵² Eu	-5.5E-03	\pm	5.5E-02	U
	¹⁵⁴ Eu	6.2E-02	\pm	9.2E-02	U		¹⁵⁴ Eu	4.0E-02	\pm	7.8E-02	U
	¹⁵⁵ Eu	-7.2E-02	\pm	9.7E-02	U		¹⁵⁵ Eu	-2.5E-02	\pm	9.4E-02	U
	²³⁸ Pu	-3.2E-03	\pm	8.3E-03	U		²³⁸ Pu	8.9E-04	\pm	8.9E-03	U
	^{239,240} Pu	6.4E-03	\pm	5.2E-03			^{239,240} Pu	9.8E-03	\pm	6.2E-03	
	¹⁰³ Ru	9.3E-03	\pm	3.5E-02	U		¹⁰³ Ru	-1.6E-02	\pm	3.4E-02	U
	¹⁰⁶ Ru	-6.1E-02	\pm	2.7E-01	U		¹⁰⁶ Ru	-1.6E-01	\pm	2.5E-01	U
	¹²⁵ Sb	-8.1E-03	\pm	7.6E-02	U		¹²⁵ Sb	3.2E-02	\pm	7.2E-02	U
	¹¹³ Sn	-2.0E-02	\pm	3.7E-02	U		¹¹³ Sn	-1.2E-02	\pm	3.7E-02	U
	⁹⁰ Sr	5.9E-02	\pm	9.7E-02	U		⁹⁰ Sr	1.6E-01	\pm	1.2E-01	U
	²³⁴ U	1.8E-02	\pm	8.1E-03			²³⁴ U	1.3E-02	\pm	7.8E-03	
	²³⁵ U	6.6E-03	\pm	4.8E-03			²³⁵ U	3.0E-03	\pm	3.6E-03	
	²³⁸ U	1.5E-02	\pm	7.2E-03			²³⁸ U	1.3E-02	\pm	7.4E-03	
	⁶⁵ Zn	-1.4E-01	\pm	1.4E-01	U		⁶⁵ Zn	5.0E-02	\pm	6.3E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V042	¹⁴⁴ Ce	-2.5E-02	\pm	2.5E-01	U	V044	¹⁴⁴ Ce	-3.0E-01	\pm	5.5E-01	U
(200 West)	⁶⁰ Co	1.8E-02	\pm	4.2E-02	U	(200 West)	⁶⁰ Co	-2.3E-02	\pm	3.7E-02	U
	¹³⁴ Cs	-4.3E-03	\pm	4.1E-02	U		¹³⁴ Cs	1.7E-02	\pm	4.0E-02	U
	¹³⁷ Cs	3.6E-02	\pm	3.8E-02	U		¹³⁷ Cs	1.7E-01	\pm	7.1E-02	U
	¹⁵² Eu	-1.8E-01	\pm	1.8E-01	U		¹⁵² Eu	-2.1E-02	\pm	1.1E-01	U
	¹⁵⁴ Eu	1.9E-02	\pm	1.4E-01	U		¹⁵⁴ Eu	8.6E-03	\pm	8.6E-02	U
	¹⁵⁵ Eu	-9.7E-03	\pm	9.7E-02	U		¹⁵⁵ Eu	7.1E-02	\pm	1.3E-01	U
	²³⁸ Pu	4.6E-03	\pm	1.2E-02	U		²³⁸ Pu	2.4E-03	\pm	1.4E-02	U
	^{239,240} Pu	5.4E-03	\pm	5.4E-03	U		^{239,240} Pu	3.1E-02	\pm	1.2E-02	
	¹⁰³ Ru	-4.8E-03	\pm	4.6E-02	U		¹⁰³ Ru	-1.7E-02	\pm	5.0E-02	U
	¹⁰⁶ Ru	1.5E-01	\pm	3.5E-01	U		¹⁰⁶ Ru	-1.2E-01	\pm	3.5E-01	U
	¹²⁵ Sb	3.3E-03	\pm	3.3E-02	U		¹²⁵ Sb	1.3E-02	\pm	1.0E-01	U
	¹¹³ Sn	1.4E-02	\pm	5.0E-02	U		¹¹³ Sn	-6.8E-02	\pm	6.8E-02	U
	⁹⁰ Sr	2.2E-01	\pm	9.7E-02			⁹⁰ Sr	1.7E-02	\pm	8.5E-02	U
	²³⁴ U	2.4E-02	\pm	9.6E-03			²³⁴ U	1.2E-02	\pm	7.3E-03	
	²³⁵ U	-1.6E-03	\pm	2.2E-03	U		²³⁵ U	5.9E-03	\pm	4.7E-03	
	²³⁸ U	1.5E-02	\pm	7.2E-03			²³⁸ U	2.1E-02	\pm	9.4E-03	
	⁶⁵ Zn	1.4E-01	\pm	1.1E-01	U		⁶⁵ Zn	2.4E-02	\pm	8.7E-02	U
V046	¹⁴⁴ Ce	-1.5E-02	\pm	1.6E-01	U	V048	¹⁴⁴ Ce	1.5E-01	\pm	3.4E-01	U
(200 West)	⁶⁰ Co	-1.9E-02	\pm	3.9E-02	U	(200 West)	⁶⁰ Co	2.1E-03	\pm	2.1E-02	U
	¹³⁴ Cs	4.3E-02	\pm	3.7E-02	U		¹³⁴ Cs	-1.0E-02	\pm	2.4E-02	U
	¹³⁷ Cs	8.8E-02	\pm	5.2E-02			¹³⁷ Cs	1.3E-01	\pm	4.7E-02	
	¹⁵² Eu	-1.4E-03	\pm	1.4E-02	U		¹⁵² Eu	-1.7E-02	\pm	7.0E-02	U
	¹⁵⁴ Eu	-4.9E-02	\pm	1.0E-01	U		¹⁵⁴ Eu	-4.2E-03	\pm	4.2E-02	U
	¹⁵⁵ Eu	1.8E-02	\pm	1.2E-01	U		¹⁵⁵ Eu	-1.5E-02	\pm	8.6E-02	U
	²³⁸ Pu	-8.2E-04	\pm	8.2E-03	U		²³⁸ Pu	1.1E-02	\pm	1.2E-02	U
	^{239,240} Pu	4.9E-03	\pm	5.4E-03	U		^{239,240} Pu	3.8E-02	\pm	1.4E-02	
	¹⁰³ Ru	1.5E-03	\pm	1.5E-02	U		¹⁰³ Ru	-3.9E-03	\pm	3.1E-02	U
	¹⁰⁶ Ru	5.3E-02	\pm	3.2E-01	U		¹⁰⁶ Ru	8.9E-02	\pm	2.0E-01	U
	¹²⁵ Sb	-1.4E-02	\pm	9.2E-02	U		¹²⁵ Sb	8.3E-03	\pm	6.7E-02	U
	¹¹³ Sn	-7.1E-03	\pm	5.0E-02	U		¹¹³ Sn	-2.0E-02	\pm	3.4E-02	U
	⁹⁰ Sr	2.1E-01	\pm	1.2E-01			⁹⁰ Sr	1.3E-01	\pm	9.7E-02	U
	²³⁴ U	1.7E-02	\pm	7.8E-03			²³⁴ U	3.3E-02	\pm	1.2E-02	
	²³⁵ U	4.4E-03	\pm	4.0E-03			²³⁵ U	6.2E-03	\pm	4.8E-03	
	²³⁸ U	7.8E-03	\pm	5.0E-03			²³⁸ U	3.2E-02	\pm	1.2E-02	
	⁶⁵ Zn	-2.0E-01	\pm	2.0E-01	U		⁶⁵ Zn	1.9E-02	\pm	5.7E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V050	^{144}Ce	-1.8E-02	\pm	1.8E-01	U	V052	^{144}Ce	-1.7E-01	\pm	4.6E-01	U
(200 West)	^{60}Co	-1.1E-02	\pm	4.3E-02	U	(200 West)	^{60}Co	1.3E-02	\pm	4.0E-02	U
	^{134}Cs	-9.0E-03	\pm	5.3E-02	U		^{134}Cs	-3.7E-03	\pm	3.7E-02	U
	^{137}Cs	2.3E-02	\pm	4.3E-02	U		^{137}Cs	6.3E-02	\pm	4.2E-02	U
	^{152}Eu	-1.4E-01	\pm	1.4E-01	U		^{152}Eu	4.9E-02	\pm	1.2E-01	U
	^{154}Eu	-5.4E-02	\pm	1.1E-01	U		^{154}Eu	4.2E-02	\pm	1.2E-01	U
	^{155}Eu	4.8E-02	\pm	1.3E-01	U		^{155}Eu	1.3E-02	\pm	1.2E-01	U
	^{238}Pu	4.8E-03	\pm	1.2E-02	U		^{238}Pu	-6.6E-03	\pm	1.2E-02	U
	$^{239,240}\text{Pu}$	7.2E-03	\pm	5.9E-03	U		$^{239,240}\text{Pu}$	1.1E-02	\pm	7.3E-03	U
	^{103}Ru	-1.7E-02	\pm	5.1E-02	U		^{103}Ru	-8.7E-03	\pm	4.5E-02	U
	^{106}Ru	-2.4E-01	\pm	3.8E-01	U		^{106}Ru	1.4E-01	\pm	3.6E-01	U
	^{125}Sb	-6.3E-02	\pm	1.0E-01	U		^{125}Sb	3.4E-03	\pm	3.4E-02	U
	^{113}Sn	2.2E-02	\pm	5.1E-02	U		^{113}Sn	-2.3E-03	\pm	2.3E-02	U
	^{90}Sr	2.8E-01	\pm	1.3E-01			^{90}Sr	2.3E-01	\pm	1.0E-01	
	^{234}U	9.3E-03	\pm	5.4E-03			^{234}U	7.4E-03	\pm	6.1E-03	
	^{235}U	2.5E-03	\pm	3.0E-03			^{235}U	1.8E-03	\pm	3.6E-03	
	^{238}U	7.3E-03	\pm	4.7E-03			^{238}U	1.1E-02	\pm	6.6E-03	
	^{65}Zn	1.0E-01	\pm	1.0E-01	U		^{65}Zn	-6.0E-02	\pm	9.7E-02	U
V058	^{144}Ce	-3.7E-03	\pm	3.7E-02	U	V060	^{144}Ce	-3.1E-01	\pm	1.0E+00	U
(200 East)	^{60}Co	-2.0E-02	\pm	3.4E-02	U		^{60}Co	3.9E-02	\pm	8.3E-02	U
	^{134}Cs	-1.6E-02	\pm	3.8E-02	U		^{134}Cs	-2.1E-02	\pm	9.1E-02	U
	^{137}Cs	1.1E-01	\pm	5.5E-02			^{137}Cs	1.1E-02	\pm	9.1E-02	U
	^{152}Eu	-8.3E-02	\pm	1.2E-01	U		^{152}Eu	9.7E-02	\pm	2.4E-01	U
	^{154}Eu	-3.6E-02	\pm	1.0E-01	U		^{154}Eu	-9.3E-03	\pm	9.3E-02	U
	^{155}Eu	4.1E-02	\pm	1.3E-01	U		^{155}Eu	-1.6E-01	\pm	2.8E-01	U
	^{238}Pu	4.5E-03	\pm	1.3E-02	U		^{238}Pu	5.1E-03	\pm	1.1E-02	U
	$^{239,240}\text{Pu}$	9.0E-04	\pm	3.1E-03	U		$^{239,240}\text{Pu}$	-3.1E-03	\pm	3.7E-03	U
	^{103}Ru	-1.2E-02	\pm	4.4E-02	U		^{103}Ru	-2.5E-02	\pm	1.1E-01	U
	^{106}Ru	-2.3E-01	\pm	3.2E-01	U		^{106}Ru	3.8E-01	\pm	7.7E-01	U
	^{125}Sb	-2.8E-02	\pm	9.4E-02	U		^{125}Sb	-8.1E-02	\pm	2.2E-01	U
	^{113}Sn	-4.7E-02	\pm	4.8E-02	U		^{113}Sn	-2.1E-03	\pm	2.1E-02	U
	^{90}Sr	2.9E-01	\pm	1.2E-01			^{90}Sr	6.0E-01	\pm	1.5E-01	
	^{234}U	1.1E-02	\pm	6.4E-03			^{234}U	1.6E-02	\pm	8.0E-03	
	^{235}U	9.9E-04	\pm	2.0E-03	U		^{235}U	1.9E-03	\pm	2.7E-03	U
	^{238}U	5.6E-03	\pm	4.4E-03			^{238}U	1.0E-02	\pm	5.9E-03	
	^{65}Zn	3.4E-02	\pm	9.1E-02	U		^{65}Zn	3.0E-01	\pm	1.9E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V062 (200 East)	¹⁴⁴ Ce	-7.7E-02	\pm	3.7E-01	U	V064 (200 East)	¹⁴⁴ Ce	1.0E-01	\pm	3.7E-01	U
	⁶⁰ Co	-3.6E-02	\pm	3.6E-02	U		⁶⁰ Co	-4.0E-03	\pm	3.0E-02	U
	¹³⁴ Cs	-3.6E-03	\pm	2.8E-02	U		¹³⁴ Cs	2.6E-02	\pm	3.2E-02	U
	¹³⁷ Cs	8.9E-02	\pm	3.8E-02	U		¹³⁷ Cs	3.4E-02	\pm	3.2E-02	U
	¹⁵² Eu	-7.5E-03	\pm	7.2E-02	U		¹⁵² Eu	2.7E-02	\pm	8.1E-02	U
	¹⁵⁴ Eu	-3.2E-02	\pm	1.1E-01	U		¹⁵⁴ Eu	4.1E-02	\pm	9.4E-02	U
	¹⁵⁵ Eu	-3.5E-02	\pm	9.7E-02	U		¹⁵⁵ Eu	4.1E-02	\pm	9.9E-02	U
	²³⁸ Pu	-5.4E-03	\pm	8.1E-03	U		²³⁸ Pu	5.0E-03	\pm	6.0E-03	U
	^{239,240} Pu	-9.0E-04	\pm	4.0E-03	U		^{239,240} Pu	8.2E-04	\pm	2.9E-03	U
	¹⁰³ Ru	-2.2E-02	\pm	3.4E-02	U		¹⁰³ Ru	1.3E-03	\pm	1.3E-02	U
	¹⁰⁶ Ru	-3.8E-02	\pm	2.4E-01	U		¹⁰⁶ Ru	2.3E-01	\pm	2.5E-01	U
	¹²⁵ Sb	4.1E-02	\pm	6.9E-02	U		¹²⁵ Sb	2.1E-02	\pm	7.6E-02	U
	¹¹³ Sn	4.5E-02	\pm	4.5E-02	U		¹¹³ Sn	1.3E-02	\pm	3.6E-02	U
	⁹⁰ Sr	2.2E+00	\pm	4.4E-01			⁹⁰ Sr	9.2E-01	\pm	1.8E-01	
	²³⁴ U	9.0E-03	\pm	5.8E-03			²³⁴ U	1.1E-02	\pm	5.9E-03	
	²³⁵ U	-1.0E-03	\pm	2.0E-03	U		²³⁵ U	7.1E-04	\pm	7.1E-03	U
	²³⁸ U	6.5E-03	\pm	4.8E-03			²³⁸ U	7.1E-03	\pm	4.8E-03	
	⁶⁵ Zn	2.2E-02	\pm	8.2E-02	U		⁶⁵ Zn	8.2E-02	\pm	1.2E-01	U
V066 (200 East)	¹⁴⁴ Ce	-2.2E-01	\pm	4.1E-01	U	V068 (200 East)	¹⁴⁴ Ce	4.2E-02	\pm	4.2E-01	U
	⁶⁰ Co	-9.3E-03	\pm	3.2E-02	U		⁶⁰ Co	-7.2E-03	\pm	3.6E-02	U
	¹³⁴ Cs	2.2E-02	\pm	3.2E-02	U		¹³⁴ Cs	-6.4E-02	\pm	6.4E-02	U
	¹³⁷ Cs	7.9E-02	\pm	4.5E-02	U		¹³⁷ Cs	2.3E-03	\pm	2.3E-02	U
	¹⁵² Eu	-5.6E-02	\pm	7.9E-02	U		¹⁵² Eu	-3.3E-02	\pm	1.0E-01	U
	¹⁵⁴ Eu	2.8E-02	\pm	1.1E-01	U		¹⁵⁴ Eu	1.4E-02	\pm	1.1E-01	U
	¹⁵⁵ Eu	-9.4E-02	\pm	9.4E-02	U		¹⁵⁵ Eu	-3.2E-02	\pm	1.3E-01	U
	²³⁸ Pu	-1.8E-03	\pm	6.8E-03	U		²³⁸ Pu	1.6E-02	\pm	1.0E-02	
	^{239,240} Pu	8.7E-04	\pm	8.7E-04	U		^{239,240} Pu	5.8E-03	\pm	5.6E-03	U
	¹⁰³ Ru	-1.4E-03	\pm	1.4E-02	U		¹⁰³ Ru	3.8E-04	\pm	3.8E-03	U
	¹⁰⁶ Ru	3.4E-02	\pm	2.7E-01	U		¹⁰⁶ Ru	-1.8E-01	\pm	3.0E-01	U
	¹²⁵ Sb	4.2E-02	\pm	7.3E-02	U		¹²⁵ Sb	6.2E-03	\pm	6.2E-02	U
	¹¹³ Sn	-7.4E-03	\pm	3.3E-02	U		¹¹³ Sn	1.6E-02	\pm	4.2E-02	U
	⁹⁰ Sr	1.6E-02	\pm	8.2E-02	U		⁹⁰ Sr	4.8E-01	\pm	1.4E-01	
	²³⁴ U	1.1E-02	\pm	6.5E-03			²³⁴ U	1.2E-02	\pm	7.0E-03	
	²³⁵ U	-9.1E-04	\pm	3.2E-03	U		²³⁵ U	3.0E-03	\pm	3.6E-03	
	²³⁸ U	1.0E-02	\pm	5.8E-03			²³⁸ U	9.8E-03	\pm	6.1E-03	
	⁶⁵ Zn	-8.6E-02	\pm	8.6E-02	U		⁶⁵ Zn	-4.2E-02	\pm	7.8E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results ($\text{pCi/g} \pm$ total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V076 (200 East)	^{144}Ce	1.4E-01	\pm	3.5E-01	U	V078 (200 East)	^{144}Ce	-8.2E-02	\pm	3.3E-01	U
	^{60}Co	1.9E-02	\pm	3.0E-02	U		^{60}Co	-2.5E-02	\pm	2.5E-02	U
	^{134}Cs	9.7E-03	\pm	3.3E-02	U		^{134}Cs	-8.2E-03	\pm	2.5E-02	U
	^{137}Cs	3.2E-02	\pm	3.4E-02	U		^{137}Cs	3.4E-02	\pm	3.0E-02	U
	^{152}Eu	-1.8E-03	\pm	1.8E-02	U		^{152}Eu	1.1E-02	\pm	7.1E-02	U
	^{154}Eu	1.0E-02	\pm	8.6E-02	U		^{154}Eu	-7.3E-03	\pm	6.5E-02	U
	^{155}Eu	-4.9E-02	\pm	9.6E-02	U		^{155}Eu	-2.7E-02	\pm	8.5E-02	U
	^{238}Pu	-8.6E-04	\pm	5.7E-03	U		^{238}Pu	6.7E-03	\pm	1.9E-02	U
	$^{239,240}\text{Pu}$	1.7E-03	\pm	2.4E-03	U		$^{239,240}\text{Pu}$	1.9E-03	\pm	2.7E-03	U
	^{103}Ru	-1.3E-02	\pm	2.8E-02	U		^{103}Ru	1.6E-03	\pm	1.6E-02	U
	^{106}Ru	2.5E-01	\pm	2.8E-01	U		^{106}Ru	1.4E-01	\pm	2.1E-01	U
	^{125}Sb	2.7E-02	\pm	7.5E-02	U		^{125}Sb	-3.6E-02	\pm	6.7E-02	U
	^{113}Sn	-1.4E-02	\pm	3.3E-02	U		^{113}Sn	-4.3E-03	\pm	3.1E-02	U
	^{90}Sr	1.7E-01	\pm	1.1E-01			^{90}Sr	4.2E-01	\pm	1.3E-01	
	^{234}U	6.9E-03	\pm	5.0E-03			^{234}U	1.4E-02	\pm	7.3E-03	
	^{235}U	4.7E-03	\pm	5.2E-03	U		^{235}U	1.9E-03	\pm	2.7E-03	U
	^{238}U	1.5E-02	\pm	7.8E-03			^{238}U	9.4E-03	\pm	7.6E-03	U
	^{65}Zn	-5.5E-02	\pm	6.6E-02	U		^{65}Zn	-2.9E-01	\pm	2.9E-01	U
V080 (200 East)	^{144}Ce	-7.4E-02	\pm	3.3E-01	U	V082 (600 Area)	^{144}Ce	-1.0E-01	\pm	8.5E-01	U
	^{60}Co	7.6E-03	\pm	2.3E-02	U		^{60}Co	2.1E-02	\pm	6.3E-02	U
	^{134}Cs	-1.7E-03	\pm	1.7E-02	U		^{134}Cs	-2.0E-02	\pm	6.4E-02	U
	^{137}Cs	3.6E-03	\pm	2.5E-02	U		^{137}Cs	8.6E-03	\pm	6.1E-02	U
	^{152}Eu	1.2E-02	\pm	7.0E-02	U		^{152}Eu	1.7E-01	\pm	1.7E-01	U
	^{154}Eu	-1.4E-02	\pm	8.5E-02	U		^{154}Eu	1.6E-01	\pm	1.8E-01	U
	^{155}Eu	-4.0E-02	\pm	7.9E-02	U		^{155}Eu	5.2E-02	\pm	1.9E-01	U
	^{238}Pu	-4.2E-03	\pm	1.4E-02	U		^{238}Pu	2.4E-03	\pm	1.1E-02	U
	$^{239,240}\text{Pu}$	8.5E-04	\pm	4.5E-03	U		$^{239,240}\text{Pu}$	3.9E-03	\pm	4.3E-03	U
	^{103}Ru	-1.2E-02	\pm	2.3E-02	U		^{103}Ru	-2.4E-02	\pm	5.7E-02	U
	^{106}Ru	-9.6E-02	\pm	1.9E-01	U		^{106}Ru	-5.2E-01	\pm	5.8E-01	U
	^{125}Sb	-2.4E-02	\pm	6.7E-02	U		^{125}Sb	7.0E-03	\pm	7.0E-02	U
	^{113}Sn	-3.6E-02	\pm	3.6E-02	U		^{113}Sn	-2.2E-02	\pm	7.2E-02	U
	^{90}Sr	9.3E-02	\pm	1.1E-01	U		^{90}Sr	1.3E-01	\pm	9.2E-02	U
	^{234}U	9.6E-03	\pm	6.7E-03			^{234}U	7.6E-03	\pm	6.8E-03	
	^{235}U	1.6E-03	\pm	4.0E-03	U		^{235}U	8.3E-03	\pm	5.2E-03	
	^{238}U	6.7E-03	\pm	5.1E-03			^{238}U	4.8E-03	\pm	4.7E-03	
	^{65}Zn	-2.1E-02	\pm	6.4E-02	U		^{65}Zn	-1.0E-01	\pm	1.6E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V084	^{144}Ce	3.2E-01	\pm	4.6E-01	U	V086	^{144}Ce	-5.1E-02	\pm	3.1E-01	U
(600 Area)	^{60}Co	1.3E-02	\pm	3.4E-02	U	(600 Area)	^{60}Co	-9.9E-03	\pm	2.4E-02	U
	^{134}Cs	-8.3E-03	\pm	4.0E-02	U		^{134}Cs	-7.4E-03	\pm	2.9E-02	U
	^{137}Cs	3.1E-02	\pm	3.6E-02	U		^{137}Cs	9.0E-02	\pm	4.4E-02	U
	^{152}Eu	-3.1E-02	\pm	1.0E-01	U		^{152}Eu	1.3E-02	\pm	7.1E-02	U
	^{154}Eu	-5.6E-03	\pm	5.6E-02	U		^{154}Eu	1.3E-02	\pm	7.8E-02	U
	^{155}Eu	9.4E-02	\pm	1.3E-01	U		^{155}Eu	7.7E-02	\pm	8.4E-02	U
	^{238}Pu	2.6E-03	\pm	1.4E-02	U		^{238}Pu	1.4E-02	\pm	1.3E-02	U
	$^{239,240}\text{Pu}$	1.7E-03	\pm	3.4E-03	U		$^{239,240}\text{Pu}$	8.5E-04	\pm	8.5E-04	U
	^{103}Ru	2.7E-02	\pm	3.2E-02	U		^{103}Ru	1.5E-02	\pm	2.4E-02	U
	^{106}Ru	-1.2E-01	\pm	3.0E-01	U		^{106}Ru	-2.1E-02	\pm	2.1E-01	U
	^{125}Sb	-1.6E-02	\pm	9.3E-02	U		^{125}Sb	-2.8E-02	\pm	6.4E-02	U
	^{113}Sn	-2.3E-02	\pm	4.2E-02	U		^{113}Sn	6.6E-03	\pm	3.1E-02	U
	^{90}Sr	2.8E-01	\pm	1.2E-01			^{90}Sr	5.8E-02	\pm	9.0E-02	U
	^{234}U	3.6E-02	\pm	1.3E-02			^{234}U	1.8E-02	\pm	8.3E-03	
	^{235}U	1.3E-02	\pm	7.4E-03			^{235}U	5.4E-03	\pm	5.2E-03	U
	^{238}U	2.0E-02	\pm	1.0E-02			^{238}U	1.9E-02	\pm	8.7E-03	
	^{65}Zn	-2.5E-02	\pm	7.5E-02	U		^{65}Zn	-1.1E-01	\pm	1.1E-01	U
V088	^{144}Ce	3.0E-02	\pm	2.9E-01	U	V090	^{144}Ce	-1.4E-01	\pm	3.5E-01	U
(600 Area)	^{60}Co	-2.7E-03	\pm	2.7E-02	U	(600 Area)	^{60}Co	-2.0E-02	\pm	2.6E-02	U
	^{134}Cs	-1.8E-02	\pm	2.4E-02	U		^{134}Cs	-4.3E-04	\pm	4.2E-03	U
	^{137}Cs	2.4E-02	\pm	2.7E-02	U		^{137}Cs	7.9E-02	\pm	4.1E-02	
	^{152}Eu	4.1E-02	\pm	8.0E-02	U		^{152}Eu	-3.3E-02	\pm	7.8E-02	U
	^{154}Eu	9.3E-03	\pm	8.1E-02	U		^{154}Eu	-1.9E-02	\pm	7.0E-02	U
	^{155}Eu	2.5E-02	\pm	9.0E-02	U		^{155}Eu	3.1E-02	\pm	8.8E-02	U
	^{238}Pu	-6.5E-03	\pm	1.2E-02	U		^{238}Pu	2.8E-03	\pm	9.2E-03	U
	$^{239,240}\text{Pu}$	9.2E-04	\pm	1.8E-03	U		$^{239,240}\text{Pu}$	2.0E-02	\pm	1.1E-02	
	^{103}Ru	-2.1E-03	\pm	2.1E-02	U		^{103}Ru	-2.1E-03	\pm	2.1E-02	U
	^{106}Ru	6.3E-02	\pm	2.2E-01	U		^{106}Ru	4.8E-02	\pm	2.2E-01	U
	^{125}Sb	6.3E-03	\pm	6.3E-02	U		^{125}Sb	-5.9E-02	\pm	7.0E-02	U
	^{113}Sn	-6.2E-03	\pm	3.4E-02	U		^{113}Sn	-9.2E-03	\pm	3.2E-02	U
	^{90}Sr	2.2E-01	\pm	1.1E-01			^{90}Sr	3.6E-01	\pm	1.4E-01	
	^{234}U	2.1E-02	\pm	1.1E-02			^{234}U	2.2E-02	\pm	1.0E-02	
	^{235}U	7.0E-03	\pm	5.1E-03			^{235}U	7.3E-03	\pm	5.3E-03	
	^{238}U	1.8E-02	\pm	9.0E-03			^{238}U	1.3E-02	\pm	7.1E-03	
	^{65}Zn	-2.4E-01	\pm	2.4E-01	U		^{65}Zn	-2.6E-01	\pm	2.6E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V092 (600 Area)	¹⁴⁴ Ce	-1.9E-01	\pm	4.5E-01	U	V094 (600 Area)	¹⁴⁴ Ce	1.4E-01	\pm	3.4E-01	U
	⁶⁰ Co	-5.5E-03	\pm	3.5E-02	U		⁶⁰ Co	-6.1E-03	\pm	3.1E-02	U
	¹³⁴ Cs	2.8E-04	\pm	2.8E-03	U		¹³⁴ Cs	1.8E-02	\pm	3.4E-02	U
	¹³⁷ Cs	1.2E-01	\pm	5.7E-02	U		¹³⁷ Cs	1.2E-02	\pm	3.2E-02	U
	¹⁵² Eu	-7.2E-03	\pm	7.2E-02	U		¹⁵² Eu	-2.4E-02	\pm	8.3E-02	U
	¹⁵⁴ Eu	-5.8E-02	\pm	1.1E-01	U		¹⁵⁴ Eu	-5.6E-02	\pm	9.1E-02	U
	¹⁵⁵ Eu	-2.0E-02	\pm	1.1E-01	U		¹⁵⁵ Eu	-8.4E-04	\pm	8.3E-03	U
	²³⁸ Pu	-3.2E-03	\pm	7.7E-03	U		²³⁸ Pu	8.0E-03	\pm	1.4E-02	U
	^{239,240} Pu	4.8E-03	\pm	5.8E-03	U		^{239,240} Pu	3.2E-03	\pm	3.8E-03	U
	¹⁰³ Ru	2.1E-02	\pm	3.3E-02	U		¹⁰³ Ru	2.4E-02	\pm	2.5E-02	U
	¹⁰⁶ Ru	8.1E-02	\pm	3.3E-01	U		¹⁰⁶ Ru	-1.1E-01	\pm	2.7E-01	U
	¹²⁵ Sb	3.8E-02	\pm	9.0E-02	U		¹²⁵ Sb	-2.1E-02	\pm	7.8E-02	U
	¹¹³ Sn	-3.1E-03	\pm	3.1E-02	U		¹¹³ Sn	-1.5E-02	\pm	3.6E-02	U
	⁹⁰ Sr	1.9E-01	\pm	1.1E-01	U		⁹⁰ Sr	1.3E-01	\pm	9.1E-02	U
	²³⁴ U	1.6E-02	\pm	8.3E-03	U		²³⁴ U	2.0E-02	\pm	9.6E-03	U
	²³⁵ U	1.1E-02	\pm	6.8E-03	U		²³⁵ U	-8.6E-04	\pm	3.0E-03	U
	²³⁸ U	2.2E-02	\pm	9.2E-03	U		²³⁸ U	2.0E-02	\pm	9.4E-03	U
	⁶⁵ Zn	-1.5E-01	\pm	1.5E-01	U		⁶⁵ Zn	-7.4E-02	\pm	7.5E-02	U
V096 (600 Area)	¹⁴⁴ Ce	-1.9E-01	\pm	4.9E-01	U	V098 (600 Area)	¹⁴⁴ Ce	-4.3E-01	\pm	5.5E-01	U
	⁶⁰ Co	-1.5E-03	\pm	1.5E-02	U		⁶⁰ Co	4.1E-02	\pm	4.1E-02	U
	¹³⁴ Cs	-1.3E-02	\pm	3.9E-02	U		¹³⁴ Cs	-2.5E-02	\pm	4.1E-02	U
	¹³⁷ Cs	3.7E-03	\pm	3.4E-02	U		¹³⁷ Cs	1.8E-02	\pm	4.0E-02	U
	¹⁵² Eu	-5.3E-03	\pm	5.3E-02	U		¹⁵² Eu	-6.7E-02	\pm	1.4E-01	U
	¹⁵⁴ Eu	9.8E-02	\pm	1.2E-01	U		¹⁵⁴ Eu	1.3E-01	\pm	1.3E-01	U
	¹⁵⁵ Eu	2.2E-02	\pm	1.2E-01	U		¹⁵⁵ Eu	4.3E-02	\pm	1.6E-01	U
	²³⁸ Pu	-2.0E-03	\pm	1.1E-02	U		²³⁸ Pu	8.8E-04	\pm	8.8E-03	U
	^{239,240} Pu	5.8E-03	\pm	4.5E-03	U		^{239,240} Pu	-1.8E-03	\pm	2.5E-03	U
	¹⁰³ Ru	1.0E-02	\pm	3.4E-02	U		¹⁰³ Ru	-1.8E-02	\pm	3.8E-02	U
	¹⁰⁶ Ru	9.0E-02	\pm	3.2E-01	U		¹⁰⁶ Ru	-2.8E-01	\pm	3.8E-01	U
	¹²⁵ Sb	-7.2E-02	\pm	8.8E-02	U		¹²⁵ Sb	4.7E-02	\pm	1.1E-01	U
	¹¹³ Sn	7.9E-03	\pm	4.1E-02	U		¹¹³ Sn	8.7E-03	\pm	4.9E-02	U
	⁹⁰ Sr	2.5E-01	\pm	1.0E-01	U		⁹⁰ Sr	1.8E-01	\pm	1.3E-01	U
	²³⁴ U	1.2E-02	\pm	8.4E-03	U		²³⁴ U	1.0E-02	\pm	6.7E-03	U
	²³⁵ U	9.3E-04	\pm	3.3E-03	U		²³⁵ U	3.0E-03	\pm	3.6E-03	U
	²³⁸ U	1.4E-02	\pm	7.4E-03	U		²³⁸ U	7.0E-03	\pm	5.4E-03	U
	⁶⁵ Zn	-4.3E-02	\pm	8.4E-02	U		⁶⁵ Zn	-1.9E-01	\pm	1.9E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g ± total analytical uncertainty). (cont)

Location	Isotope	Result	± Uncertainty	RQ*	Location	Isotope	Result	± Uncertainty	RQ*
V100 (600 Area)	¹⁴⁴ Ce	-4.6E-02	± 2.6E-01	U	V102 (600 Area)	¹⁴⁴ Ce	-1.7E-01	± 4.4E-01	U
	⁶⁰ Co	-1.5E-02	± 2.1E-02	U		⁶⁰ Co	-1.6E-02	± 4.2E-02	U
	¹³⁴ Cs	9.2E-03	± 2.2E-02	U		¹³⁴ Cs	-9.0E-03	± 4.0E-02	U
	¹³⁷ Cs	5.3E-03	± 2.0E-02	U		¹³⁷ Cs	9.0E-02	± 6.5E-02	U
	¹⁵² Eu	-4.7E-02	± 6.2E-02	U		¹⁵² Eu	-6.0E-02	± 1.1E-01	U
	¹⁵⁴ Eu	6.2E-02	± 6.4E-02	U		¹⁵⁴ Eu	3.5E-02	± 1.2E-01	U
	¹⁵⁵ Eu	-5.2E-02	± 7.0E-02	U		¹⁵⁵ Eu	-2.8E-02	± 1.3E-01	U
	²³⁸ Pu	1.1E-02	± 1.3E-02	U		²³⁸ Pu	2.5E-03	± 1.4E-02	U
	^{239,240} Pu	-7.7E-04	± 3.5E-03	U		^{239,240} Pu	5.0E-03	± 6.5E-03	U
	¹⁰³ Ru	2.8E-03	± 1.9E-02	U		¹⁰³ Ru	-3.0E-02	± 3.7E-02	U
	¹⁰⁶ Ru	3.8E-03	± 3.8E-02	U		¹⁰⁶ Ru	2.7E-02	± 2.7E-01	U
	¹²⁵ Sb	3.5E-02	± 5.7E-02	U		¹²⁵ Sb	8.5E-02	± 8.3E-02	U
	¹¹³ Sn	3.4E-03	± 2.5E-02	U		¹¹³ Sn	-9.6E-04	± 9.6E-03	U
	⁹⁰ Sr	8.1E-02	± 1.1E-01	U		⁹⁰ Sr	8.5E-02	± 1.0E-01	U
	²³⁴ U	1.8E-02	± 9.4E-03			²³⁴ U	1.9E-02	± 9.5E-03	
	²³⁵ U	8.5E-04	± 3.8E-03	U		²³⁵ U	3.6E-03	± 3.6E-03	
	²³⁸ U	1.1E-02	± 6.9E-03			²³⁸ U	1.4E-02	± 7.6E-03	
	⁶⁵ Zn	2.8E-04	± 2.8E-03	U		⁶⁵ Zn	-1.6E-01	± 1.6E-01	U
V104 (600 Area)	¹⁴⁴ Ce	-3.2E-01	± 5.8E-01	U	V106 (600 Area)	¹⁴⁴ Ce	3.8E-01	± 4.3E-01	U
	⁶⁰ Co	5.3E-03	± 4.2E-02	U		⁶⁰ Co	4.9E-03	± 3.0E-02	U
	¹³⁴ Cs	8.9E-03	± 4.5E-02	U		¹³⁴ Cs	-2.3E-02	± 3.1E-02	U
	¹³⁷ Cs	2.5E-03	± 2.5E-02	U		¹³⁷ Cs	1.3E-01	± 5.8E-02	U
	¹⁵² Eu	-3.1E-02	± 1.2E-01	U		¹⁵² Eu	-5.3E-02	± 8.8E-02	U
	¹⁵⁴ Eu	-1.1E-01	± 1.4E-01	U		¹⁵⁴ Eu	-9.7E-02	± 9.7E-02	U
	¹⁵⁵ Eu	1.4E-01	± 1.3E-01	U		¹⁵⁵ Eu	-1.4E-01	± 1.4E-01	U
	²³⁸ Pu	-2.3E-03	± 9.9E-03	U		²³⁸ Pu	-8.5E-04	± 8.5E-03	U
	^{239,240} Pu	8.5E-04	± 3.8E-03	U		^{239,240} Pu	1.6E-02	± 8.6E-03	
	¹⁰³ Ru	5.3E-03	± 3.9E-02	U		¹⁰³ Ru	6.2E-03	± 2.9E-02	U
	¹⁰⁶ Ru	-4.0E-01	± 4.0E-01	U		¹⁰⁶ Ru	-2.0E-01	± 2.8E-01	U
	¹²⁵ Sb	2.1E-02	± 1.2E-01	U		¹²⁵ Sb	1.6E-02	± 8.1E-02	U
	¹¹³ Sn	3.4E-02	± 4.8E-02	U		¹¹³ Sn	-6.4E-04	± 6.4E-03	U
	⁹⁰ Sr	3.7E-02	± 8.9E-02	U		⁹⁰ Sr	5.1E-02	± 9.4E-02	U
	²³⁴ U	1.7E-03	± 7.1E-03	U		²³⁴ U	3.5E-02	± 1.3E-02	
	²³⁵ U	9.1E-04	± 4.1E-03	U		²³⁵ U	3.5E-03	± 4.9E-03	U
	²³⁸ U	5.8E-03	± 4.5E-03			²³⁸ U	2.1E-02	± 9.4E-03	
	⁶⁵ Zn	-7.8E-02	± 9.9E-02	U		⁶⁵ Zn	-1.7E-01	± 1.7E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V108 (600 Area)	¹⁴⁴ Ce	-1.5E-01	\pm	3.7E-01	U	V110 (600 Area)	¹⁴⁴ Ce	3.3E-02	\pm	3.3E-01	U
	⁶⁰ Co	-4.7E-03	\pm	2.9E-02	U		⁶⁰ Co	3.7E-03	\pm	3.6E-02	U
	¹³⁴ Cs	6.6E-03	\pm	3.3E-02	U		¹³⁴ Cs	1.6E-03	\pm	1.6E-02	U
	¹³⁷ Cs	1.2E-01	\pm	5.9E-02	U		¹³⁷ Cs	-2.8E-02	\pm	3.7E-02	U
	¹⁵² Eu	4.1E-02	\pm	9.1E-02	U		¹⁵² Eu	5.2E-02	\pm	1.1E-01	U
	¹⁵⁴ Eu	-4.9E-02	\pm	9.6E-02	U		¹⁵⁴ Eu	-7.2E-04	\pm	7.2E-03	U
	¹⁵⁵ Eu	-2.9E-02	\pm	9.9E-02	U		¹⁵⁵ Eu	4.6E-03	\pm	4.6E-02	U
	²³⁸ Pu	2.6E-02	\pm	1.6E-02			²³⁸ Pu	8.4E-04	\pm	8.4E-04	U
	^{239,240} Pu	5.2E-02	\pm	1.7E-02			^{239,240} Pu	8.4E-04	\pm	1.7E-03	U
	¹⁰³ Ru	-1.1E-02	\pm	2.8E-02	U		¹⁰³ Ru	-8.9E-03	\pm	3.7E-02	U
	¹⁰⁶ Ru	-2.2E-01	\pm	2.9E-01	U		¹⁰⁶ Ru	-1.5E-01	\pm	3.3E-01	U
	¹²⁵ Sb	-4.4E-02	\pm	8.1E-02	U		¹²⁵ Sb	-1.9E-02	\pm	1.1E-01	U
	¹¹³ Sn	-8.9E-03	\pm	3.7E-02	U		¹¹³ Sn	-8.1E-03	\pm	4.9E-02	U
	⁹⁰ Sr	2.9E-01	\pm	1.2E-01			⁹⁰ Sr	1.3E-01	\pm	1.0E-01	U
	²³⁴ U	2.3E-02	\pm	9.9E-03			²³⁴ U	9.4E-03	\pm	6.1E-03	
	²³⁵ U	8.6E-04	\pm	1.7E-03	U		²³⁵ U	3.4E-03	\pm	3.4E-03	
	²³⁸ U	1.5E-02	\pm	7.5E-03			²³⁸ U	6.3E-03	\pm	5.1E-03	
	⁶⁵ Zn	1.7E-02	\pm	8.0E-02	U		⁶⁵ Zn	-3.5E-03	\pm	3.5E-02	U
V112 (Duplicate of V032)	¹⁴⁴ Ce	-2.2E-01	\pm	4.4E-01	U	V114 (Duplicate of D096)	¹⁴⁴ Ce	-1.1E-01	\pm	3.8E-01	U
	⁶⁰ Co	-2.1E-02	\pm	3.5E-02	U		⁶⁰ Co	4.8E-03	\pm	2.7E-02	U
	¹³⁴ Cs	1.1E-02	\pm	3.4E-02	U		¹³⁴ Cs	1.2E-02	\pm	3.5E-02	U
	¹³⁷ Cs	3.9E-02	\pm	3.6E-02	U		¹³⁷ Cs	2.1E-02	\pm	3.0E-02	U
	¹⁵² Eu	-4.0E-02	\pm	8.6E-02	U		¹⁵² Eu	-4.6E-02	\pm	8.2E-02	U
	¹⁵⁴ Eu	-2.1E-02	\pm	9.8E-02	U		¹⁵⁴ Eu	-5.7E-03	\pm	5.7E-02	U
	¹⁵⁵ Eu	3.7E-02	\pm	1.0E-01	U		¹⁵⁵ Eu	-5.6E-02	\pm	1.1E-01	U
	²³⁸ Pu	6.4E-03	\pm	1.5E-02	U		²³⁸ Pu	-8.1E-04	\pm	8.1E-03	U
	^{239,240} Pu	5.5E-03	\pm	6.6E-03	U		^{239,240} Pu	-8.1E-04	\pm	3.6E-03	U
	¹⁰³ Ru	-8.3E-03	\pm	3.0E-02	U		¹⁰³ Ru	-3.2E-02	\pm	3.2E-02	U
	¹⁰⁶ Ru	-4.7E-02	\pm	2.9E-01	U		¹⁰⁶ Ru	-8.9E-02	\pm	2.5E-01	U
	¹²⁵ Sb	9.5E-03	\pm	8.2E-02	U		¹²⁵ Sb	4.4E-02	\pm	7.8E-02	U
	¹¹³ Sn	3.1E-02	\pm	3.6E-02	U		¹¹³ Sn	2.9E-02	\pm	3.6E-02	U
	⁹⁰ Sr	2.0E-01	\pm	1.1E-01	U		⁹⁰ Sr	1.2E-01	\pm	1.1E-01	U
	²³⁴ U	1.5E-02	\pm	7.9E-03			²³⁴ U	1.2E-02	\pm	6.8E-03	
	²³⁵ U	2.7E-03	\pm	3.2E-03			²³⁵ U	4.6E-03	\pm	4.2E-03	
	²³⁸ U	1.5E-02	\pm	7.9E-03			²³⁸ U	8.5E-03	\pm	5.6E-03	
	⁶⁵ Zn	-1.3E-01	\pm	1.3E-01	U		⁶⁵ Zn	-7.9E-02	\pm	7.9E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V116 (300 Area)	¹⁴⁴ Ce	9.6E-03	\pm	9.6E-02	U	V117 (300 Area)	¹⁴⁴ Ce	8.6E-02	\pm	3.6E-01	U
	⁶⁰ Co	-1.0E-02	\pm	1.9E-02	U		⁶⁰ Co	3.0E-03	\pm	3.0E-02	U
	¹³⁴ Cs	-1.1E-02	\pm	2.2E-02	U		¹³⁴ Cs	-1.1E-03	\pm	1.1E-02	U
	¹³⁷ Cs	-4.7E-03	\pm	2.4E-02	U		¹³⁷ Cs	5.3E-02	\pm	4.5E-02	U
	¹⁵² Eu	-4.6E-03	\pm	4.6E-02	U		¹⁵² Eu	-4.3E-02	\pm	8.5E-02	U
	¹⁵⁴ Eu	-2.3E-02	\pm	7.3E-02	U		¹⁵⁴ Eu	-5.8E-02	\pm	9.2E-02	U
	¹⁵⁵ Eu	5.7E-02	\pm	9.0E-02	U		¹⁵⁵ Eu	-3.9E-02	\pm	1.0E-01	U
	²³⁸ Pu	4.1E-03	\pm	1.4E-02	U		²³⁸ Pu	2.1E-03	\pm	1.5E-02	U
	^{239,240} Pu	1.0E-03	\pm	5.3E-03	U		^{239,240} Pu	1.1E-03	\pm	1.1E-02	U
	¹⁰³ Ru	-9.9E-03	\pm	2.1E-02	U		¹⁰³ Ru	-6.5E-03	\pm	2.9E-02	U
	¹⁰⁶ Ru	1.6E-01	\pm	2.1E-01	U		¹⁰⁶ Ru	-2.2E-01	\pm	2.9E-01	U
	¹²⁵ Sb	-2.1E-02	\pm	6.3E-02	U		¹²⁵ Sb	-4.9E-02	\pm	8.2E-02	U
	¹¹³ Sn	-2.0E-02	\pm	3.1E-02	U		¹¹³ Sn	1.7E-02	\pm	3.6E-02	U
	⁹⁰ Sr	1.7E-01	\pm	1.0E-01			⁹⁰ Sr	6.7E-01	\pm	1.7E-01	
	²³⁴ U	2.9E-02	\pm	1.2E-02			²³⁴ U	2.3E-02	\pm	1.2E-02	
	²³⁵ U	1.9E-03	\pm	2.7E-03	U		²³⁵ U	-3.0E-03	\pm	6.6E-03	U
	²³⁸ U	2.0E-02	\pm	9.4E-03			²³⁸ U	6.4E-03	\pm	6.2E-03	
	⁶⁵ Zn	-1.9E-02	\pm	5.8E-02	U		⁶⁵ Zn	-1.1E-01	\pm	1.1E-01	U
V118 (300 Area)	¹⁴⁴ Ce	-3.7E-01	\pm	3.7E-01	U	V119 (300 Area)	¹⁴⁴ Ce	7.0E-02	\pm	3.0E-01	U
	⁶⁰ Co	1.4E-02	\pm	3.3E-02	U		⁶⁰ Co	-6.4E-03	\pm	2.1E-02	U
	¹³⁴ Cs	2.7E-03	\pm	2.7E-02	U		¹³⁴ Cs	1.5E-02	\pm	2.6E-02	U
	¹³⁷ Cs	-1.7E-02	\pm	3.0E-02	U		¹³⁷ Cs	-2.0E-03	\pm	2.0E-02	U
	¹⁵² Eu	7.6E-02	\pm	8.3E-02	U		¹⁵² Eu	4.1E-03	\pm	4.1E-02	U
	¹⁵⁴ Eu	-7.2E-02	\pm	1.0E-01	U		¹⁵⁴ Eu	1.4E-02	\pm	6.4E-02	U
	¹⁵⁵ Eu	-3.7E-03	\pm	3.7E-02	U		¹⁵⁵ Eu	5.8E-02	\pm	8.0E-02	U
	²³⁸ Pu	1.8E-03	\pm	1.2E-02	U		²³⁸ Pu	-1.9E-03	\pm	1.4E-02	U
	^{239,240} Pu	-9.1E-04	\pm	4.1E-03	U		^{239,240} Pu	-2.9E-03	\pm	3.5E-03	U
	¹⁰³ Ru	5.1E-03	\pm	2.5E-02	U		¹⁰³ Ru	-1.0E-02	\pm	2.2E-02	U
	¹⁰⁶ Ru	-3.2E-02	\pm	2.7E-01	U		¹⁰⁶ Ru	-1.6E-01	\pm	1.9E-01	U
	¹²⁵ Sb	-1.7E-02	\pm	7.2E-02	U		¹²⁵ Sb	-4.9E-02	\pm	6.1E-02	U
	¹¹³ Sn	6.4E-03	\pm	3.3E-02	U		¹¹³ Sn	7.7E-03	\pm	2.9E-02	U
	⁹⁰ Sr	8.8E-01	\pm	1.8E-01			⁹⁰ Sr	1.0E-02	\pm	8.8E-02	
	²³⁴ U	7.0E-02	\pm	2.0E-02			²³⁴ U	1.2E-01	\pm	3.0E-02	
	²³⁵ U	8.7E-03	\pm	6.0E-03			²³⁵ U	8.5E-03	\pm	6.5E-03	
	²³⁸ U	5.6E-02	\pm	1.7E-02			²³⁸ U	1.3E-01	\pm	3.2E-02	
	⁶⁵ Zn	-8.6E-02	\pm	8.6E-02	U		⁶⁵ Zn	3.9E-02	\pm	5.2E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V121 (300 Area)	¹⁴⁴ Ce	-1.1E-02	\pm	1.1E-01	U	V123 (300 Area)	¹⁴⁴ Ce	-9.3E-02	\pm	5.1E-01	U
	⁶⁰ Co	6.5E-03	\pm	3.4E-02	U		⁶⁰ Co	-6.8E-03	\pm	5.0E-02	U
	¹³⁴ Cs	6.7E-03	\pm	4.3E-02	U		¹³⁴ Cs	2.0E-02	\pm	4.7E-02	U
	¹³⁷ Cs	4.3E-03	\pm	3.0E-02	U		¹³⁷ Cs	2.6E-02	\pm	4.5E-02	U
	¹⁵² Eu	-1.5E-02	\pm	7.6E-02	U		¹⁵² Eu	1.3E-01	\pm	1.2E-01	U
	¹⁵⁴ Eu	1.2E-02	\pm	1.0E-01	U		¹⁵⁴ Eu	-1.4E-01	\pm	1.6E-01	U
	¹⁵⁵ Eu	5.6E-02	\pm	9.8E-02	U		¹⁵⁵ Eu	1.3E-01	\pm	1.4E-01	U
	²³⁸ Pu	1.1E-02	\pm	1.5E-02	U		²³⁸ Pu	1.0E-03	\pm	1.0E-03	U
	^{239,240} Pu	-1.8E-03	\pm	6.3E-03	U		^{239,240} Pu	1.1E-03	\pm	1.1E-03	U
	¹⁰³ Ru	1.9E-02	\pm	2.9E-02	U		¹⁰³ Ru	-1.3E-02	\pm	3.8E-02	U
	¹⁰⁶ Ru	-2.6E-01	\pm	2.6E-01	U		¹⁰⁶ Ru	-1.6E-02	\pm	1.6E-01	U
	¹²⁵ Sb	-7.4E-03	\pm	7.4E-02	U		¹²⁵ Sb	-1.0E-01	\pm	1.1E-01	U
	¹¹³ Sn	-1.4E-03	\pm	1.4E-02	U		¹¹³ Sn	-3.7E-02	\pm	4.8E-02	U
	⁹⁰ Sr	2.4E-01	\pm	1.4E-01			⁹⁰ Sr	1.0E-01	\pm	1.0E-01	U
	²³⁴ U	4.0E-02	\pm	1.4E-02			²³⁴ U	1.3E-02	\pm	7.9E-03	
	²³⁵ U	3.6E-03	\pm	4.3E-03	U		²³⁵ U	1.9E-03	\pm	4.7E-03	U
	²³⁸ U	4.1E-02	\pm	1.4E-02			²³⁸ U	1.1E-02	\pm	6.8E-03	
	⁶⁵ Zn	-7.2E-02	\pm	7.4E-02	U		⁶⁵ Zn	-6.1E-02	\pm	1.1E-01	U
V124 (300 Area)	¹⁴⁴ Ce	-1.5E-01	\pm	3.8E-01	U	V125 (300 Area)	¹⁴⁴ Ce	-2.4E-01	\pm	5.9E-01	U
	⁶⁰ Co	1.9E-02	\pm	2.9E-02	U		⁶⁰ Co	1.0E-02	\pm	4.5E-02	U
	¹³⁴ Cs	-6.7E-03	\pm	3.0E-02	U		¹³⁴ Cs	4.5E-02	\pm	5.3E-02	U
	¹³⁷ Cs	1.2E-02	\pm	2.8E-02	U		¹³⁷ Cs	1.6E-02	\pm	5.1E-02	U
	¹⁵² Eu	6.9E-02	\pm	1.2E-01	U		¹⁵² Eu	5.4E-02	\pm	1.4E-01	U
	¹⁵⁴ Eu	2.9E-03	\pm	2.9E-02	U		¹⁵⁴ Eu	8.3E-02	\pm	1.5E-01	U
	¹⁵⁵ Eu	1.8E-02	\pm	1.0E-01	U		¹⁵⁵ Eu	1.4E-01	\pm	1.6E-01	U
	²³⁸ Pu	7.0E-03	\pm	1.5E-02	U		²³⁸ Pu	1.6E-02	\pm	9.8E-03	
	^{239,240} Pu	1.0E-03	\pm	1.0E-02	U		^{239,240} Pu	-1.5E-02	\pm	1.5E-02	U
	¹⁰³ Ru	-7.3E-05	\pm	7.3E-04	U		¹⁰³ Ru	1.5E-02	\pm	4.6E-02	U
	¹⁰⁶ Ru	-2.1E-02	\pm	2.0E-01	U		¹⁰⁶ Ru	3.6E-03	\pm	3.6E-02	U
	¹²⁵ Sb	-3.5E-02	\pm	8.4E-02	U		¹²⁵ Sb	2.7E-02	\pm	1.2E-01	U
	¹¹³ Sn	4.1E-03	\pm	3.4E-02	U		¹¹³ Sn	1.7E-02	\pm	5.7E-02	U
	⁹⁰ Sr	1.5E-01	\pm	1.1E-01			⁹⁰ Sr	3.2E-01	\pm	1.3E-01	
	²³⁴ U	2.1E-02	\pm	1.0E-02			²³⁴ U	1.2E-02	\pm	7.1E-03	
	²³⁵ U	3.6E-03	\pm	3.6E-03			²³⁵ U	2.0E-03	\pm	4.0E-03	U
	²³⁸ U	1.4E-02	\pm	8.3E-03			²³⁸ U	1.5E-02	\pm	8.2E-03	
	⁶⁵ Zn	-5.1E-02	\pm	6.5E-02	U		⁶⁵ Zn	-6.8E-02	\pm	1.1E-01	U

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

Table 3-5. 2002 Vegetation Sampling Results (pCi/g \pm total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V126 (300 Area)	¹⁴⁴ Ce	3.0E-01	\pm	3.1E-01	U	V127 (300 Area)	¹⁴⁴ Ce	9.4E-02	\pm	3.8E-01	U
	⁶⁰ Co	-5.2E-03	\pm	2.1E-02	U		⁶⁰ Co	1.8E-02	\pm	3.0E-02	U
	¹³⁴ Cs	8.5E-03	\pm	2.4E-02	U		¹³⁴ Cs	-1.5E-02	\pm	4.3E-02	U
	¹³⁷ Cs	-3.9E-03	\pm	2.2E-02	U		¹³⁷ Cs	3.8E-02	\pm	3.1E-02	U
	¹⁵² Eu	1.1E-02	\pm	7.0E-02	U		¹⁵² Eu	-1.2E-02	\pm	8.4E-02	U
	¹⁵⁴ Eu	-2.1E-03	\pm	2.1E-02	U		¹⁵⁴ Eu	-8.9E-02	\pm	9.2E-02	U
	¹⁵⁵ Eu	-4.0E-04	\pm	4.0E-03	U		¹⁵⁵ Eu	1.0E-01	\pm	9.8E-02	U
	²³⁸ Pu	8.4E-04	\pm	8.4E-03	U		²³⁸ Pu	3.3E-03	\pm	6.3E-03	U
	^{239,240} Pu	1.7E-03	\pm	2.4E-03	U		^{239,240} Pu	8.1E-04	\pm	8.1E-04	U
	¹⁰³ Ru	-3.5E-03	\pm	2.3E-02	U		¹⁰³ Ru	5.8E-03	\pm	3.0E-02	U
	¹⁰⁶ Ru	-9.7E-02	\pm	2.0E-01	U		¹⁰⁶ Ru	1.9E-01	\pm	2.7E-01	U
	¹²⁵ Sb	-2.1E-02	\pm	6.3E-02	U		¹²⁵ Sb	-4.5E-02	\pm	7.8E-02	U
	¹¹³ Sn	3.2E-02	\pm	3.0E-02	U		¹¹³ Sn	-1.9E-02	\pm	3.6E-02	U
	⁹⁰ Sr	1.1E-01	\pm	1.0E-01	U		⁹⁰ Sr	1.4E-01	\pm	1.2E-01	U
	²³⁴ U	5.0E-02	\pm	1.6E-02			²³⁴ U	1.8E-02	\pm	9.2E-03	
	²³⁵ U	7.1E-03	\pm	5.8E-03			²³⁵ U	-8.0E-04	\pm	4.2E-03	
	²³⁸ U	3.2E-02	\pm	1.2E-02			²³⁸ U	1.2E-02	\pm	8.2E-03	
	⁶⁵ Zn	4.3E-02	\pm	5.2E-02	U		⁶⁵ Zn	-2.7E-02	\pm	7.8E-02	U
V128 (300 Area)	¹⁴⁴ Ce	6.4E-03	\pm	6.4E-02	U	V129 (300 Area)	¹⁴⁴ Ce	-2.4E-01	\pm	3.8E-01	U
	⁶⁰ Co	-4.1E-03	\pm	2.9E-02	U		⁶⁰ Co	1.3E-02	\pm	2.5E-02	U
	¹³⁴ Cs	-1.9E-02	\pm	2.9E-02	U		¹³⁴ Cs	5.6E-03	\pm	2.8E-02	U
	¹³⁷ Cs	2.0E-02	\pm	2.7E-02	U		¹³⁷ Cs	1.8E-02	\pm	2.9E-02	U
	¹⁵² Eu	4.1E-02	\pm	7.1E-02	U		¹⁵² Eu	1.7E-01	\pm	1.3E-01	U
	¹⁵⁴ Eu	-3.9E-02	\pm	8.3E-02	U		¹⁵⁴ Eu	-2.3E-02	\pm	8.5E-02	U
	¹⁵⁵ Eu	1.5E-02	\pm	8.7E-02	U		¹⁵⁵ Eu	-9.9E-02	\pm	1.1E-01	U
	²³⁸ Pu	1.6E-03	\pm	4.0E-03	U		²³⁸ Pu	-6.4E-03	\pm	1.2E-02	U
	^{239,240} Pu	4.0E-03	\pm	3.6E-03			^{239,240} Pu	3.2E-03	\pm	3.2E-03	
	¹⁰³ Ru	4.5E-03	\pm	2.5E-02	U		¹⁰³ Ru	-1.4E-02	\pm	2.8E-02	U
	¹⁰⁶ Ru	-1.7E-01	\pm	2.4E-01	U		¹⁰⁶ Ru	4.6E-02	\pm	2.4E-01	U
	¹²⁵ Sb	-1.7E-02	\pm	7.0E-02	U		¹²⁵ Sb	2.0E-02	\pm	7.4E-02	U
	¹¹³ Sn	-2.1E-02	\pm	3.0E-02	U		¹¹³ Sn	-2.2E-02	\pm	3.4E-02	U
	⁹⁰ Sr	5.3E-02	\pm	9.1E-02	U		⁹⁰ Sr	1.1E-01	\pm	1.1E-01	U
	²³⁴ U	1.7E-02	\pm	8.0E-03			²³⁴ U	2.2E-02	\pm	8.8E-03	
	²³⁵ U	2.4E-03	\pm	2.9E-03			²³⁵ U	5.3E-03	\pm	4.1E-03	
	²³⁸ U	2.6E-02	\pm	1.0E-02			²³⁸ U	3.3E-02	\pm	1.1E-02	
	⁶⁵ Zn	-1.6E-02	\pm	7.3E-02	U		⁶⁵ Zn	2.8E-02	\pm	6.7E-02	U

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

Table 3-5. 2002 Vegetation Sampling Results ($\text{pCi/g} \pm$ total analytical uncertainty). (cont)

Location	Isotope	Result	\pm	Uncertainty	RQ*	Location	Isotope	Result	\pm	Uncertainty	RQ*
V130 (400 Area)	^{144}Ce	2.5E-01	\pm	2.7E-01	U	V131 (Duplicate of V116)	^{144}Ce	9.8E-03	\pm	9.8E-02	U
	^{60}Co	5.1E-03	\pm	1.9E-02	U		^{60}Co	8.6E-03	\pm	2.8E-02	U
	^{134}Cs	-1.3E-02	\pm	2.1E-02	U		^{134}Cs	4.0E-03	\pm	3.0E-02	U
	^{137}Cs	8.2E-03	\pm	1.9E-02	U		^{137}Cs	-1.0E-02	\pm	3.0E-02	U
	^{152}Eu	1.1E-02	\pm	5.8E-02	U		^{152}Eu	6.6E-02	\pm	8.9E-02	U
	^{154}Eu	3.4E-02	\pm	6.2E-02	U		^{154}Eu	2.1E-03	\pm	2.1E-02	U
	^{155}Eu	1.1E-02	\pm	7.0E-02	U		^{155}Eu	9.0E-03	\pm	9.0E-02	U
	^{238}Pu	2.6E-03	\pm	5.2E-03	U		^{238}Pu	5.0E-02	\pm	1.7E-02	
	$^{239,240}\text{Pu}$	8.7E-04	\pm	3.0E-03	U		$^{239,240}\text{Pu}$	8.7E-04	\pm	8.7E-04	U
	^{103}Ru	-1.0E-02	\pm	2.0E-02	U		^{103}Ru	5.5E-03	\pm	3.1E-02	U
	^{106}Ru	-9.1E-02	\pm	1.7E-01	U		^{106}Ru	5.5E-02	\pm	2.4E-01	U
	^{125}Sb	1.6E-02	\pm	5.5E-02	U		^{125}Sb	-8.6E-02	\pm	8.6E-02	U
	^{113}Sn	6.5E-03	\pm	2.5E-02	U		^{113}Sn	-2.9E-02	\pm	3.8E-02	U
	^{90}Sr	1.2E-01	\pm	1.1E-01	U		^{90}Sr	9.2E-02	\pm	1.3E-01	U
	^{234}U	1.6E-02	\pm	8.3E-03			^{234}U	1.5E-02	\pm	7.6E-03	
	^{235}U	1.8E-03	\pm	2.5E-03	U		^{235}U	8.4E-03	\pm	5.8E-03	
	^{238}U	9.0E-03	\pm	5.7E-03			^{238}U	2.4E-02	\pm	1.0E-02	
	^{65}Zn	-2.1E-01	\pm	2.1E-01	U		^{65}Zn	5.5E-02	\pm	7.6E-02	U
V132 (Duplicate of V123)	^{144}Ce	-1.2E-01	\pm	5.0E-01	U	V138 (Duplicate of V118)	^{144}Ce	-1.3E-01	\pm	4.6E-01	U
	^{60}Co	2.8E-02	\pm	3.7E-02	U		^{60}Co	-8.2E-03	\pm	4.1E-02	U
	^{134}Cs	4.0E-03	\pm	4.0E-02	U		^{134}Cs	2.1E-03	\pm	2.1E-02	U
	^{137}Cs	1.7E-02	\pm	5.8E-02	U		^{137}Cs	-5.7E-03	\pm	4.1E-02	U
	^{152}Eu	-1.2E-02	\pm	1.1E-01	U		^{152}Eu	1.6E-02	\pm	1.1E-01	U
	^{154}Eu	1.7E-02	\pm	1.2E-01	U		^{154}Eu	6.8E-02	\pm	1.2E-01	U
	^{155}Eu	5.2E-02	\pm	1.2E-01	U		^{155}Eu	1.4E-02	\pm	1.3E-01	U
	^{238}Pu	3.6E-03	\pm	5.0E-03	U		^{238}Pu	-8.7E-04	\pm	5.7E-03	U
	$^{239,240}\text{Pu}$	8.9E-04	\pm	3.1E-03	U		$^{239,240}\text{Pu}$	-1.7E-03	\pm	3.4E-03	U
	^{103}Ru	-1.1E-02	\pm	3.8E-02	U		^{103}Ru	7.0E-02	\pm	6.3E-02	
	^{106}Ru	2.8E-01	\pm	3.4E-01	U		^{106}Ru	-2.8E-01	\pm	3.4E-01	U
	^{125}Sb	-7.2E-02	\pm	1.1E-01	U		^{125}Sb	-2.3E-02	\pm	1.1E-01	U
	^{113}Sn	-3.7E-02	\pm	4.8E-02	U		^{113}Sn	-1.3E-02	\pm	4.7E-02	U
	^{90}Sr	-6.1E-02	\pm	8.5E-02	U		^{90}Sr	1.8E-01	\pm	1.2E-01	
	^{234}U	8.5E-03	\pm	5.8E-03			^{234}U	4.0E-02	\pm	1.4E-02	
	^{235}U	4.2E-03	\pm	3.8E-03			^{235}U	5.5E-03	\pm	5.3E-03	U
	^{238}U	7.7E-03	\pm	5.9E-03			^{238}U	3.4E-02	\pm	1.3E-02	
	^{65}Zn	1.5E-02	\pm	9.0E-02	U		^{65}Zn	1.7E-01	\pm	1.0E-01	

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