U. S. DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Gold and spectrographic analyses of 110 outcrop and 238 B-horizon soil samples from the western Vermilion district, northeastern Minnesota

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INTRODUCTION

The study area within the west Vermilion district, as referred to in this report, encompasses some 428 km^2 (Fig. 1). It is a westward extension of an area described in U.S. Geological Survey Bulletin 1984 (Alminas and others, 1992). The silver and base-metal data for the eastern study area is listed in U.S. Geological Survey Open-File Report 81-999 (Grimes and others, 1981) and the gold data is listed in U.S. Geological Survey Open-File 90-86 (McHugh and others, 1990).

The greenstone belt is composed of mafic metavolcanic and associated rocks that are intruded on both the north and south by major granitoid bodies. These rocks have mineral assemblages characteristic of the greenschist-facies metamorphism. The general geology of the district has been described by Sims (1976). Pleistocene glacial materials consisting of till, outwash and lacustrine deposits, associated with the Wisconsin episode of glaciation, cover the area. These are the parent materials of the B-horizon soils sampled here.

The field work was completed in June of 1991. A digital version of this data report is available in U.S. Geological Survey Open-File Report 92-615 B.

SAMPLE COLLECTION

B-horizon soil samples were collected at 238 localities along roads, rivers and lake shores. Outcrop samples were collected at 110 of these sites (within 6.7 m of the soil site) and have the same latitudinal and longitudinal parameters as the corresponding soils. The B-horizon soil samples were collected at a depth of 30 to 45 cm. Although variable from site to site, these soils are generally fine to medium grained with a low to moderate organic content and range in color from yellow through red to light brown. Characteristically the B-horizon soils contain higher concentrations of Fe and Mn oxides than A-horizon soils, have a substantially lower organic content, and are coarser with a greater content of fragmental rock material .

Outcrop samples were collected as composited chip samples and generally incorporated substantial weathered surface material.

SAMPLE PREPARATION

The soil samples were air-dried in the original cloth sample bag. Extremely clay-rich samples were disaggregated in a jaw crusher, using a wide jaw setting. All of the soils were then sieved through an 80-mesh (177-µm opening) sieve, and a 84-g (3-oz) container of the fine fraction was saved for analysis.

Outcrop samples were crushed in a jaw crusher and ground in a vertical grinder to approximately 105 µm.

ANALYTICAL METHODS

Each sample was analyzed for 35 elements using a semiquantitative direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentrations as follows: 100, 50, 20, 10 and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method has been determined to be within one reporting interval 83 percent of the time and within two reporting intervals 96 percent of the time (Motooka and Grimes, 1976).

The gold content of the outcrop and soil samples was determined using an atomic-absorption spectrophotometric method described below:

A 5-gm sample is roasted for 1 hour at 680° C. Gold is then extracted with a hydrobromic acid- 0.5 bromine solution and MIBK (methyl isobutyl ketone). Electrothermal atomic-absorption spectroscopy, using background correction, is used to determine gold to 0.001 ppm (1 ppb) (O'Leary and Meier, 1986).

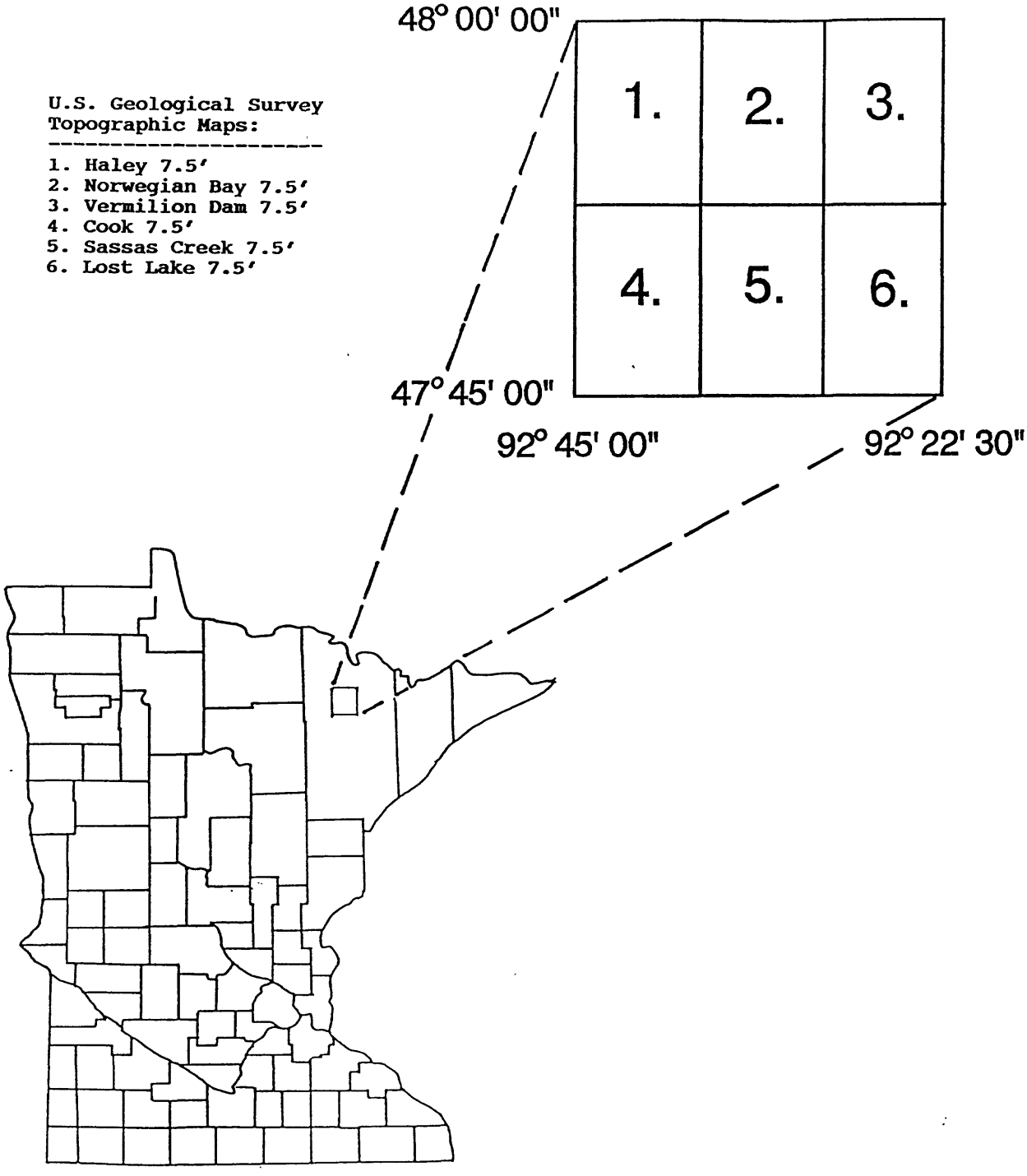

Figure 1. Index map of the study area in the west Vermilion district, northeastern Minnesota.

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Table 1. Gold and spectrographic analyses of 110 outcrop samples.
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Ca %-s	Fe %-s	Mg %-s	Na %-s	P %-s	Ti %-s	Ag ppm-s
WV0002R	47 54 56	92 19 50	.3	.5	.1	2	<.2	.07	<.5
WV0004R	47 54 40	92 22 2	.1	.5	.2	2	<.2	.03	N
WV0005R	47 54 13	92 22 58	.3	3	1	1.5	<.2	.3	N
WV0006R	47 53 54	92 23 1	5	5	1.5	2	N	1	N
WV0007R	47 53 58	92 23 23	1	5	1.5	2	<.2	.5	N
WV0009R	47 54 28	92 27 25	.5	5	1.5	2	<.2	.5	N
WV0011R	47 54 5	92 26 48	.7	3	1	2	<.2	.3	N
WV0012R1	47 54 34	92 25 52	7	3	2	1.5	N	.7	N
WV0012R2	47 54 34	92 25 52	.3	.5	.3	2	<.2	.07	N
WV0013R	47 54 17	92 25 36	.7	2	1	5	<.2	.3	N
WV0014R	47 54 22	92 25 6	.3	1.5	.15	2	<.2	.02	<.5
WV0016R	47 53 31	92 26 30	.7	5	1.5	1.5	<.2	.5	.7
WV0017R	47 53 46	92 25 52	.3	5	3	3	<.2	.3	<.5
WV0018R	47 53 53	92 25 18	.7	5	2	2	<.2	.3	N
WV0019R	47 54 6	92 25 5	3	5	2	2	<.2	.3	N
WV0021R	47 54 5	92 24 19	1.5	5	1.5	3	<.2	.5	.5
WV0022R	47 54 12	92 23 50	3	5	3	3	N	.5	N
WV0023R	47 54 27	92 23 25	1	.7	.3	2	<.2	.07	N
WV0024R	47 54 30	92 22 50	.5	1.5	.7	3	<.2	.2	N
WV0026R	47 53 26	92 24 9	10	5	3	1.5	N	.7	N
WV0027R	47 53 15	92 24 22	<.05	.1	.02	.2	<.2	.003	N
WV0029R	47 47 38	92 23 42	.3	2	1	1.5	<.2	.3	N
WV0030R	47 48 10	92 23 38	1.5	3	1	2	<.2	.2	<.5
WV0030R	47 48 10	92 23 38	.7	.7	.3	2	N	.07	N
WV0032R	47 48 59	92 24 12	.7	1	.2	1.5	N	.15	<.5
WV0042R	47 48 1	92 27 29	.1	1	.3	5	N	.15	N
WV0043R	47 46 55	92 26 43	.5	2	1	2	<.2	.5	N
WV0052R	47 46 40	92 27 58	3	3	2	3	N	.5	N
WV0055R	47 46 8	92 30 1	.15	.7	.3	2	N	.15	N
WV0056R	47 46 35	92 30 3	5	3	1.5	3	.3	.7	N
WV0068R	47 46 27	92 31 45	1	3	1.5	2	<.2	.3	N
WV0071R	47 47 38	92 31 38	.7	1	.7	2	<.2	.1	N
WV0071R1	47 47 38	92 31 38	.7	2	.5	2	.2	.7	<.5
WV0079R	47 45 42	92 33 59	5	3	2	3	N	.5	N
WV0112R	47 52 1	92 25 12	1	3	1.5	3	N	.5	N
WV0113R	47 52 1	92 24 33	3	3	2	2	<.2	.5	N
WV0114R	47 52 4	92 24 1	7	5	3	3	<.2	.5	N
WV0116R	47 52 19	92 22 44	5	5	1.5	1	N	.5	N
WV0117R	47 52 20	92 21 15	1	3	1.5	2	<.2	.5	1
WV0118R	47 52 26	92 22 18	5	5	1.5	1	N	.7	N
WV0119R	47 52 45	92 22 38	.3	5	1.5	3	N	.7	N
WV0120R	47 52 59	92 23 9	15	5	2	.5	N	.7	<.5
WV0121R	47 53 21	92 22 53	10	7	1.5	1	N	.7	N
WV0123R	47 53 0	92 23 48	7	5	3	.7	N	.3	N
WV0124R	47 53 0	92 24 14	7	5	1.5	1	N	.7	N
WV0127R	47 52 36	92 25 32	.3	3	1	3	<.2	.5	.5
WV0128R	47 52 10	92 26 41	.3	3	1.5	3	<.2	.7	N
WV0129R	47 52 41	92 26 52	3	5	2	1.5	<.2	.5	N
WV0133R	47 53 53	92 28 59	5	3	1.5	3	<.2	.7	N
WV0145R	47 53 57	92 32 26	.7	.7	.2	2	<.2	.03	<.5

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV0002R	N	N	150	2	N	N	N	N	<5
WV0004R	N	<10	1,500	1	N	N	N	<10	10
WV0005R	N	<10	500	1	N	N	30	150	30
WV0006R	N	20	300	N	N	N	50	150	50
WV0007R	N	20	500	1	N	N	30	200	30
WV0009R	N	20	700	1	N	N	30	150	30
WV0011R	N	10	700	1	N	N	15	100	15
WV0012R1	N	15	700	<1	N	N	20	300	20
WV0012R2	N	10	1,000	1.5	N	N	N	10	7
WV0013R	N	15	1,500	<1	N	N	<10	50	5
WV0014R	N	<10	700	5	N	N	N	N	5
WV0016R	N	<10	1,000	<1	N	N	20	200	30
WV0017R	N	10	1,000	<1	N	N	30	300	50
WV0018R	N	15	700	<1	N	N	30	700	50
WV0019R	N	15	700	1	N	N	20	100	50
WV0021R	N	20	1,500	<1	N	N	30	300	30
WV0022R	N	<10	2,000	<1	N	N	30	500	30
WV0023R	N	20	1,000	1.5	N	N	N	15	7
WV0024R	N	20	500	<1	N	N	<10	50	15
WV0026R	N	N	300	N	N	N	50	500	70
WV0027R	N	N	20	<1	N	N	N	10	<5
WV0029R	N	15	500	<1	N	N	20	100	20
WV0030R	N	<10	500	1	N	N	10	50	20
WV0030R	N	30	300	1	N	N	N	10	10
WV0032R	N	50	300	<1	N	N	<10	30	10
WV0042R	N	<10	500	1.5	N	N	N	10	10
WV0043R	N	N	500	<1	N	N	15	150	15
WV0052R	N	10	1,000	<1	N	N	20	200	30
WV0055R	N	N	300	<1	N	N	N	N	15
WV0056R	N	<10	2,000	1	N	N	20	100	20
WV0068R	N	30	700	<1	N	N	20	150	30
WV0071R	N	10	500	1.5	N	N	N	20	7
WV0071R1	N	<10	3,000	1	N	N	<10	<10	20
WV0079R	N	15	700	<1	N	N	30	200	30
WV0112R	N	N	2,000	1	N	N	30	200	15
WV0113R	N	<10	1,000	1.5	N	N	50	700	50
WV0114R	N	N	1,500	<1	N	N	30	700	50
WV0116R	N	N	70	N	N	N	70	300	50
WV0117R	N	20	1,500	1	N	N	30	150	50
WV0118R	N	N	100	N	N	N	50	20	30
WV0119R	N	50	1,000	<1	N	N	50	300	50
WV0120R	N	70	1,500	1	N	N	15	300	30
WV0121R	N	10	300	<1	N	N	70	500	50
WV0123R	N	<10	300	<1	N	N	50	500	5
WV0124R	N	N	150	<1	N	N	70	500	50
WV0127R	N	N	2,000	1	N	N	20	150	50
WV0128R	N	20	100	1.5	N	N	20	200	30
WV0129R	N	10	700	1.5	N	N	30	200	30
WV0133R	N	<10	100	1	N	N	15	100	10
WV0145R	N	10	700	1	N	N	N	10	<5

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV0002R	30	N	<50	150	N	<20	N	70	N	<5
WV0004R	30	N	N	100	N	N	N	70	N	<5
WV0005R	30	N	<50	700	N	<20	50	<10	N	10
WV0006R	50	N	N	1,000	N	<20	50	<10	N	30
WV0007R	50	N	<50	700	N	<20	70	30	N	15
WV0009R	50	N	<50	700	N	<20	70	30	N	15
WV0011R	50	N	<50	500	N	<20	30	20	N	10
WV0012R1	50	N	<50	2,000	N	<20	50	30	N	30
WV0012R2	30	N	<50	150	N	N	<5	50	N	N
WV0013R	50	N	<50	500	<5	<20	20	30	N	<5
WV0014R	50	N	N	1,500	N	<20	7	50	N	<5
WV0016R	50	N	<50	700	N	<20	70	30	N	20
WV0017R	70	N	<50	1,000	N	<20	70	70	N	15
WV0018R	50	N	<50	700	7	<20	150	30	N	15
WV0019R	50	N	<50	700	N	<20	30	20	N	15
WV0021R	50	N	50	1,000	N	<20	70	30	N	15
WV0022R	50	N	50	1,000	10	<20	150	30	N	20
WV0023R	30	N	<50	150	N	N	5	30	N	<5
WV0024R	50	N	<50	150	N	N	20	15	N	5
WV0026R	30	N	N	1,500	N	N	100	<10	N	50
WV0027R	N	N	N	30	N	N	N	N	N	N
WV0029R	30	N	N	300	N	N	50	15	N	7
WV0030R	50	N	N	700	N	<20	30	10	N	5
WV0030R	30	N	N	150	N	N	7	15	N	N
WV0032R	50	N	N	150	N	N	10	<10	N	5
WV0042R	70	N	<50	150	N	<20	N	30	N	<5
WV0043R	30	N	<50	500	N	<20	50	<10	N	10
WV0052R	50	N	50	1,000	5	<20	50	30	N	15
WV0055R	20	N	N	150	N	N	7	<10	N	N
WV0056R	50	N	150	500	N	20	50	10	N	10
WV0068R	50	N	<50	700	50	<20	50	70	N	10
WV0071R	30	N	N	300	N	<20	7	10	N	<5
WV0071R1	50	N	200	500	<5	<20	<5	70	N	<5
WV0079R	50	N	50	1,000	N	<20	70	20	N	15
WV0112R	50	N	50	700	N	<20	70	50	N	15
WV0113R	30	N	<50	1,000	N	<20	100	20	N	15
WV0114R	30	N	50	1,000	N	N	70	15	N	15
WV0116R	30	N	N	1,500	N	N	70	<10	N	30
WV0117R	50	N	50	700	N	<20	70	20	N	15
WV0118R	50	N	N	1,500	N	<20	30	<10	N	20
WV0119R	70	N	50	700	N	N	100	15	N	20
WV0120R	50	N	50	1,000	N	<20	50	70	N	15
WV0121R	50	N	N	1,500	N	N	100	10	N	30
WV0123R	20	N	<50	1,500	N	N	100	<10	N	15
WV0124R	30	N	N	1,500	N	N	100	<10	N	30
WV0127R	50	N	<50	300	N	<20	50	50	N	10
WV0128R	50	N	50	300	N	<20	70	20	N	20
WV0129R	50	N	50	700	N	N	50	15	N	20
WV0133R	50	N	<50	1,000	N	<20	30	20	N	10
WV0145R	30	N	N	500	N	N	5	10	N	N

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV0002R	N	200	N	<10	N	20	N	70	<.001
WV0004R	N	300	N	15	N	15	N	20	<.001
WV0005R	N	300	N	70	N	15	N	150	<.001
WV0006R	N	150	N	200	N	30	<200	70	<.001
WV0007R	N	300	N	150	N	15	<200	100	<.001
WV0009R	N	300	N	150	N	15	<200	150	<.001
WV0011R	N	500	N	70	N	<10	N	70	<.001
WV0012R1	N	700	N	200	N	30	N	100	<.001
WV0012R2	N	300	N	15	N	<10	N	50	<.001
WV0013R	N	700	N	50	N	<10	N	100	<.001
WV0014R	N	150	N	<10	N	20	N	50	<.001
WV0016R	N	500	N	150	N	20	N	100	<.001
WV0017R	N	1,000	N	100	N	20	<200	150	.001
WV0018R	N	700	N	150	N	15	N	500	<.001
WV0019R	N	700	N	150	N	15	N	70	<.001
WV0021R	N	1,000	N	150	N	20	N	200	<.001
WV0022R	N	500	N	200	N	30	N	150	<.001
WV0023R	N	700	N	20	N	<10	N	70	<.001
WV0024R	N	500	N	50	N	10	N	70	.003
WV0026R	N	150	N	300	N	30	N	70	.001
WV0027R	N	N	N	<10	N	N	N	10	<.001
WV0029R	N	200	N	70	N	<10	N	100	<.001
WV0030R	N	300	N	70	N	<10	N	70	<.001
WV0030R	N	300	N	15	N	N	N	50	<.001
WV0032R	N	300	N	30	N	<10	N	100	<.001
WV0042R	N	300	N	30	N	10	N	300	<.001
WV0043R	N	300	N	100	N	10	N	200	<.001
WV0052R	N	500	N	150	N	20	N	200	<.001
WV0055R	N	N	N	20	N	N	N	70	<.001
WV0056R	N	500	N	70	N	30	N	200	<.001
WV0068R	N	300	N	100	N	10	N	70	<.001
WV0071R	N	300	N	30	N	<10	N	70	<.001
WV0071R1	N	2,000	N	30	N	20	N	300	<.001
WV0079R	N	1,000	N	150	N	20	N	200	<.001
WV0112R	N	700	N	150	N	20	<200	200	<.001
WV0113R	N	1,000	N	150	N	20	<200	150	.003
WV0114R	N	2,000	N	150	N	20	N	30	.01
WV0116R	N	100	N	200	N	30	<200	50	.001
WV0117R	N	500	N	150	N	20	N	200	.001
WV0118R	N	150	N	300	N	50	<200	150	<.001
WV0119R	N	200	N	200	N	20	<200	200	.003
WV0120R	N	700	N	150	N	20	N	150	<.001
WV0121R	N	500	N	300	N	30	<200	50	<.001
WV0123R	N	1,000	N	150	N	20	<200	50	<.001
WV0124R	N	300	N	300	N	30	<200	50	.002
WV0127R	N	500	N	150	N	15	<200	100	.002
WV0128R	N	300	N	200	N	30	<200	150	.001
WV0129R	N	1,000	N	150	N	15	N	150	<.001
WV0133R	N	700	N	150	N	15	N	150	<.001
WV0145R	N	300	N	15	N	<10	N	50	<.001

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Latitude	Longitude	Ca %-s	Fe %-s	Mg %-s	Na %-s	P %-s	Ti %-s	Ag ppm-s
WV0149R	47 54 25	92 34 23	.3	.7	.5	2	<.2	.07	N
WV0150R	47 54 15	92 35 6	1	2	.7	2	<.2	.3	N
WV0177R	47 55 14	92 39 26	3	3	1.5	2	<.2	.5	N
WV0184R	47 51 57	92 41 12	7	5	2	3	N	.5	N
WV0202R	47 54 21	92 27 57	1	3	1	1.5	<.2	.5	.7
WV0203R	47 53 58	92 28 21	.7	1	.3	2	<.2	.15	N
WV0204R	47 53 35	92 28 11	.7	1.5	.3	3	<.2	.15	N
WV0205R	47 53 48	92 27 38	.7	1.5	.5	3	<.2	.15	N
WV0206R1	47 54 1	92 27 17	.7	1	.3	2	<.2	.07	<.5
WV0206R2	47 54 1	92 27 17	1.5	5	1.5	2	N	.5	N
WV0207R	47 53 31	92 27 1	2	3	1	1.5	<.2	.5	.5
WV0208R	47 53 40	92 26 46	.15	1.5	.7	2	<.2	.15	N
WV0209R	47 53 13	92 27 22	2	3	1.5	2	N	.5	2
WV0210R	47 52 57	92 28 20	1.5	3	1.5	1.5	<.2	.5	N
WV0211R	47 53 13	92 28 23	.7	3	1.5	1.5	<.2	.3	N
WV0212R	47 53 2	92 29 35	.7	3	2	2	.2	.5	N
WV0216R	47 52 3	92 27 15	3	5	1.5	1	N	.5	N
WV0218R1	47 52 24	92 27 55	2	1.5	.7	1.5	<.2	.07	N
WV0218R2	47 52 24	92 27 55	.2	5	1	2	.2	.5	N
WV0219R	47 53 16	92 26 36	7	7	2	1.5	N	1	5
WV0220R	47 53 34	92 25 15	7	5	1.5	2	N	.3	.5
WV0221R	47 53 39	92 24 33	7	7	3	1.5	N	.5	N
WV0222R	47 49 8	92 26 55	1.5	5	2	5	<.2	.5	N
WV0222R1	47 49 8	92 26 55	.15	.2	.2	<.2	<.2	.03	N
WV0222R2	47 49 8	92 26 55	2	3	2	3	<.2	.5	N
WV0224R	47 49 24	92 24 7	.7	3	1.5	3	<.2	.3	<.5
WV0225R	47 49 42	92 24 13	1	5	2	2	N	.5	N
WV0227R	47 49 56	92 24 51	5	5	2	5	N	1	N
WV0229R	47 54 17	92 32 29	7	2	1	5	N	.3	N
WV0234R	47 55 41	92 30 46	.7	.7	.3	3	<.2	.07	N
WV0241R	47 54 28	92 33 30	.15	.5	.15	2	<.2	.05	<.5
WV0242R	47 54 41	92 33 59	1.5	1.5	.3	2	<.2	.2	10
WV0243R	47 51 25	92 16 11	.7	1.5	.5	2	<.2	.2	.5
WV0244R	47 51 18	92 16 0	1.5	1.5	.7	5	<.2	.3	.5
WV0245R	47 51 14	92 25 56	2	1.5	1	3	<.2	.3	3
WV0246R	47 51 17	92 16 4	5	2	1.5	5	N	.5	1
WV0247R	47 51 24	92 16 6	.05	10	.3	2	N	.07	N
WV0248R1	47 51 10	92 16 11	1.5	.7	.2	1.5	<.2	.07	<.5
WV0248R2	47 51 10	92 16 11	1	.7	.2	1.5	N	.07	15
WV0249R	47 51 34	92 11 36	7	5	5	2	N	.5	N
WV0250R	47 51 31	92 11 40	7	5	2	1.5	N	1	N
WV0251R	47 51 33	92 11 37	5	5	2	2	N	.7	N
WV0252R1	47 51 23	92 11 31	.7	.7	.5	2	<.2	.15	N
WV0252R2	47 51 23	92 11 31	.5	.15	.03	<.2	<.2	.015	<.5
WV0253R	47 51 17	92 11 30	3	1.5	.7	3	<.2	.3	N
WV0254R	47 51 40	92 11 43	.7	1	.5	2	<.2	.2	N
WV0255R	47 51 48	92 11 32	.7	1	.5	2	<.2	.2	N
WV0256R	47 51 47	92 11 6	.2	1.5	.7	2	<.2	.2	N
WV0257R	47 51 54	92 11 45	.7	3	1.5	2	<.2	.5	<.5
WV0258R	47 52 6	92 11 22	.1	3	1	1.5	<.2	.5	N

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV0149R	N	15	100	<1	N	N	N	<10	N
WV0150R	N	20	700	<1	N	N	10	15	7
WV0177R	N	<10	700	1	N	N	20	300	30
WV0184R	N	10	1,000	<1	N	N	20	700	20
WV0202R	N	<10	500	1	N	N	15	150	20
WV0203R	N	20	1,000	1.5	N	N	N	15	5
WV0204R	N	15	1,000	2	N	N	N	10	<5
WV0205R	N	10	1,500	1	N	N	N	15	<5
WV0206R1	N	<10	1,500	2	N	N	N	15	5
WV0206R2	N	<10	700	1.5	N	N	30	500	50
WV0207R	N	<10	700	1	N	N	20	10	20
WV0208R	N	10	1,000	1	N	N	<10	30	20
WV0209R	N	15	1,000	1	N	N	15	200	30
WV0210R	N	10	1,000	1	N	N	20	200	30
WV0211R	N	<10	700	<1	N	N	20	150	20
WV0212R	N	10	700	1.5	N	N	20	70	5
WV0216R	N	<10	300	N	N	N	70	300	50
WV0218R1	N	<10	300	<1	N	N	N	30	30
WV0218R2	N	15	700	1	N	N	30	150	50
WV0219R	N	N	150	<1	N	N	50	300	100
WV0220R	N	N	20	N	N	N	30	300	50
WV0221R	N	N	300	N	N	N	70	1,500	30
WV0222R	N	20	1,500	1	N	N	20	200	30
WV0222R1	N	N	150	<1	N	N	N	10	N
WV0222R2	N	20	1,000	<1	N	N	20	150	50
WV0224R	N	20	700	<1	N	N	30	150	150
WV0225R	N	30	700	<1	N	N	20	200	30
WV0227R	N	20	1,500	<1	N	N	20	300	30
WV0229R	N	50	1,500	<1	N	N	N	20	10
WV0234R	N	30	200	1	N	N	N	<10	10
WV0241R	N	10	200	1.5	N	N	N	N	5
WV0242R	N	10	300	1	N	N	N	10	15
WV0243R	N	15	700	1	N	N	N	20	100
WV0244R	N	30	1,000	<1	N	N	20	50	700
WV0245R	N	50	1,000	1	N	N	10	30	200
WV0246R	N	30	1,000	<1	N	N	<10	70	150
WV0247R	N	20	200	<1	N	N	<10	15	300
WV0248R1	N	N	70	<1	N	N	N	15	7
WV0248R2	N	10	300	<1	15	N	N	15	20
WV0249R	N	N	1,000	<1	N	N	50	1,000	30
WV0250R	N	N	150	N	N	N	70	500	50
WV0251R	N	<10	300	N	N	N	70	500	70
WV0252R1	N	30	700	1	N	N	N	15	N
WV0252R2	N	N	150	<1	N	N	N	15	10
WV0253R	N	20	500	1	N	N	N	20	<5
WV0254R	N	30	700	<1	N	N	<10	15	N
WV0255R	N	30	700	1	N	N	<10	15	N
WV0256R	N	30	500	<1	N	N	N	30	5
WV0257R	N	50	1,000	1	N	N	20	200	50
WV0258R	N	30	700	1	N	N	30	150	30

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV0149R	30	N	N	500	N	N	<5	10	N	N
WV0150R	50	N	<50	500	N	N	7	<10	N	N
WV0177R	50	N	<50	1,000	N	<20	50	30	N	15
WV0184R	50	N	N	1,500	N	N	100	20	N	10
WV0202R	30	N	N	700	N	N	20	15	N	10
WV0203R	50	N	<50	300	N	N	7	20	N	<5
WV0204R	70	N	<50	300	N	N	5	70	N	<5
WV0205R	70	N	<50	500	N	N	7	70	N	<5
WV0206R1	50	N	<50	500	N	N	5	70	N	<5
WV0206R2	50	N	N	700	N	<20	100	30	N	20
WV0207R	30	N	<50	700	N	N	15	20	N	<5
WV0208R	50	N	<50	700	N	N	10	20	N	<5
WV0209R	50	N	<50	1,000	5	<20	50	70	N	15
WV0210R	50	N	<50	700	<5	N	70	20	N	15
WV0211R	30	N	N	700	N	N	50	15	N	10
WV0212R	50	N	<50	500	N	N	30	10	N	7
WV0216R	30	N	N	1,000	N	N	70	N	N	30
WV0218R1	10	N	N	1,500	N	N	15	10	N	<5
WV0218R2	50	N	<50	1,000	N	N	70	10	N	10
WV0219R	30	N	N	1,500	N	N	70	<10	N	30
WV0220R	30	N	N	1,500	N	N	70	10	N	30
WV0221R	30	N	N	1,500	N	N	150	<10	N	30
WV0222R	70	N	50	700	N	<20	70	20	N	15
WV0222R1	<5	N	N	30	N	N	<5	N	N	N
WV0222R2	50	N	<50	700	N	<20	70	15	N	15
WV0224R	50	N	<50	500	N	N	70	150	N	15
WV0225R	50	N	<50	700	N	<20	70	20	N	15
WV0227R	70	N	50	1,000	<5	<20	50	30	N	15
WV0229R	70	N	<50	1,000	N	N	N	100	N	7
WV0234R	50	N	N	300	N	N	<5	15	N	<5
WV0241R	50	N	N	700	N	N	<5	70	N	7
WV0242R	50	N	<50	500	N	N	<5	<10	N	N
WV0243R	50	N	<50	150	20	N	10	<10	N	<5
WV0244R	70	N	<50	150	15	N	7	<10	N	5
WV0245R	50	N	N	500	10	N	10	30	N	<5
WV0246R	50	N	<50	500	N	N	10	30	N	5
WV0247R	50	N	N	20	10	N	20	<10	N	<5
WV0248R1	7	N	N	150	N	N	5	N	N	N
WV0248R2	5	N	N	150	N	N	<5	700	N	N
WV0249R	50	N	<50	1,000	N	N	150	<10	N	30
WV0250R	50	N	N	1,500	N	<20	100	<10	N	50
WV0251R	50	N	N	1,500	N	N	100	<10	N	50
WV0252R1	30	N	N	300	N	N	5	N	N	<5
WV0252R2	N	N	N	150	N	N	<5	N	N	N
WV0253R	50	N	N	200	N	N	7	15	N	<5
WV0254R	30	N	<50	500	N	N	7	10	N	N
WV0255R	30	N	<50	200	15	N	10	10	N	<5
WV0256R	30	N	<50	300	N	N	15	20	N	5
WV0257R	50	N	50	700	N	<20	50	15	N	20
WV0258R	50	N	50	500	N	<20	50	10	N	15

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV0149R	N	300	N	15	N	N	N	50	<.001
WV0150R	N	500	N	70	N	N	N	150	<.001
WV0177R	N	500	N	150	N	20	N	200	<.001
WV0184R	N	500	N	150	N	20	N	150	<.001
WV0202R	N	300	N	100	N	10	N	70	<.001
WV0203R	N	700	N	30	N	N	N	70	<.001
WV0204R	N	700	N	20	N	<10	N	100	<.001
WV0205R	N	500	N	30	N	10	N	100	<.001
WV0206R1	N	300	N	20	N	20	N	50	<.001
WV0206R2	N	500	N	150	N	15	N	300	<.001
WV0207R	N	500	N	150	N	<10	N	50	.001
WV0208R	N	200	N	70	N	<10	N	50	<.001
WV0209R	N	500	N	150	N	15	N	200	<.001
WV0210R	N	300	N	150	N	15	<200	100	<.001
WV0211R	N	200	N	150	N	10	N	70	<.001
WV0212R	N	500	N	150	N	10	<200	150	<.001
WV0216R	N	150	N	300	N	30	<200	70	.001
WV0218R1	N	300	N	50	N	10	N	20	.001
WV0218R2	N	<100	N	150	N	15	N	200	.004
WV0219R	N	150	N	500	N	30	<200	70	<.001
WV0220R	N	150	N	200	N	20	N	30	.002
WV0221R	N	200	N	300	N	20	N	30	<.001
WV0222R	N	1,000	N	150	N	15	N	200	<.001
WV0222R1	N	N	N	15	N	N	N	10	<.001
WV0222R2	N	500	N	150	N	15	N	150	<.001
WV0224R	N	300	N	150	N	15	<200	150	.003
WV0225R	N	700	N	200	N	15	<200	200	.001
WV0227R	N	2,000	N	200	N	20	N	150	.001
WV0229R	N	>5,000	N	70	N	15	N	200	<.001
WV0234R	N	1,000	N	20	N	N	N	70	<.001
WV0241R	N	N	N	<10	N	20	N	50	<.001
WV0242R	N	300	N	30	N	<10	N	70	<.001
WV0243R	N	200	N	70	N	N	N	100	.48
WV0244R	N	700	N	30	N	<10	N	100	.028
WV0245R	N	300	N	70	N	N	N	150	.16
WV0246R	N	5,000	N	100	N	<10	N	200	.01
WV0247R	N	N	N	150	N	N	N	50	.011
WV0248R1	N	500	N	<10	N	N	N	20	.028
WV0248R2	N	200	N	15	N	N	N	20	2.6
WV0249R	N	500	N	200	N	20	N	200	.011
WV0250R	N	700	N	500	N	50	<200	100	.005
WV0251R	N	200	N	300	N	30	<200	70	.002
WV0252R1	N	500	N	30	N	N	N	50	<.001
WV0252R2	N	N	N	<10	N	N	N	<10	.22
WV0253R	N	500	N	70	N	N	N	100	<.001
WV0254R	N	300	N	30	N	N	N	100	.001
WV0255R	N	300	N	30	N	N	N	100	<.001
WV0256R	N	300	N	30	N	<10	N	100	<.001
WV0257R	N	500	N	150	N	15	N	150	.002
WV0258R	N	200	N	150	N	15	<200	150	.003

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Latitude	Longitude	Ca %-s	Fe %-s	Mg %-s	Na %-s	P %-s	Ti %-s	Ag ppm-s
WV0259R	47 52 14	92 11 21	3	3	1.5	1.5	N	.5	N
WV0260R	47 52 21	92 11 44	3	5	1.5	1.5	N	.3	N
WV0261R	47 53 54	92 15 34	1.5	3	1.5	2	<.2	.3	N
WV0262R	47 53 52	92 15 47	3	3	1.5	2	<.2	.5	N
WV0263R	47 53 51	92 16 3	1.5	5	2	2	<.2	.5	N
WV0264R	47 53 58	92 16 21	3	5	2	1	N	.5	N
WV0265R	47 53 22	92 15 45	3	5	1.5	1.5	.2	.7	N
WV0266R	47 53 33	92 15 56	.3	3	1.5	1.5	<.2	.3	N
WV0267R	47 50 50	92 13 6	.5	.7	.3	2	<.2	.07	<.5
WV0268R	47 50 46	92 13 12	.5	2	.7	2	<.2	.15	3

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV0259R	N	N	70	N	N	N	30	300	50
WV0260R	N	<10	70	N	N	N	30	200	50
WV0261R	N	<10	1,000	1.5	N	N	20	200	15
WV0262R	N	15	700	<1	N	N	15	100	30
WV0263R	N	20	500	<1	N	N	30	150	150
WV0264R	N	10	50	<1	N	N	50	500	50
WV0265R	N	20	700	1	N	N	30	300	150
WV0266R	N	15	700	<1	N	N	15	200	20
WV0267R	N	15	200	<1	N	N	N	15	15
WV0268R	N	50	700	1.5	N	N	<10	15	7

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV0259R	30	N	N	1,500	N	N	100	N	N	30
WV0260R	30	N	N	1,500	N	N	70	N	N	30
WV0261R	30	N	<50	700	N	N	70	15	N	10
WV0262R	50	N	<50	1,000	N	N	15	15	N	10
WV0263R	50	N	<50	1,000	N	<20	50	10	N	15
WV0264R	50	N	N	1,000	N	N	70	N	N	30
WV0265R	50	N	70	1,000	N	<20	70	30	N	20
WV0266R	30	N	<50	700	N	<20	70	<10	N	10
WV0267R	20	N	N	100	N	N	5	N	N	<5
WV0268R	50	N	N	500	N	N	15	<10	N	5

Table 1. Gold and spectrographic analyses of 110 outcrop samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV0259R	N	N	N	200	N	20	N	30	<.001
WV0260R	N	<100	N	150	N	20	<200	30	<.001
WV0261R	N	1,500	N	100	N	15	N	70	<.001
WV0262R	N	500	N	150	N	20	N	100	<.001
WV0263R	N	200	N	150	N	20	<200	100	.002
WV0264R	N	200	N	200	N	30	N	70	.001
WV0265R	N	1,000	N	200	N	30	N	200	.003
WV0266R	N	150	N	100	N	15	N	70	.001
WV0267R	N	300	N	20	N	N	N	50	<.001
WV0268R	N	500	N	50	N	N	N	100	.001

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Ca	%-s	Fe	%-s	Mg	%-s	Na	%-s	P	%-s	Ti	%-s	Ag ppm-s
WV001	47 51 10	92 22 12	.7		5		1		2		.3		.7		<.5
WV002	47 54 56	92 19 50	.7		3		.7		2		.7		.5		.5
WV003	47 54 58	92 21 8	.7		1.5		.3		2		<.2		.5		<.5
WV004	47 54 40	92 22 2	.7		2		.5		1.5		<.2		1		N
WV005	47 54 13	92 22 58	.7		3		.7		2		.2		.7		.5
WV006	47 53 54	92 23 1	.7		5		.7		1.5		<.2		.7		N
WV007	47 53 58	92 23 23	1		3		.7		2		<.2		.7		N
WV008	47 54 29	92 27 40	.7		3		.7		1.5		<.2		.5		N
WV009	47 54 28	92 27 25	.7		3		.7		1.5		.3		.5		<.5
WV010	47 54 25	92 26 57	.7		3		.7		2		<.2		.5		N
WV011	47 54 5	92 26 48	.7		5		.7		1.5		.3		.5		<.5
WV012	47 54 34	92 25 52	.7		3		.3		1.5		.3		.5		<.5
WV013	47 54 17	92 25 36	.7		3		.7		1.5		<.2		.7		N
WV014	47 54 22	92 25 6	.3		3		.5		1.5		<.2		.5		N
WV015	47 54 5	92 26 20	.5		3		.7		1.5		.7		.5		<.5
WV016	47 53 31	92 26 30	.7		3		.5		1.5		.2		.7		<.5
WV017	47 53 46	92 25 52	.7		3		.7		2		.2		.5		<.5
WV018	47 53 53	92 25 18	.3		5		.7		1		.5		.7		<.5
WV019	47 54 6	92 25 5	.7		3		.7		1.5		<.2		.7		N
WV020	47 53 55	92 24 48	1		3		.7		2		<.2		.7		N
WV021	47 54 5	92 24 19	.7		3		.7		1.5		<.2		.7		N
WV022	47 54 12	92 23 50	.7		3		.7		1.5		<.2		.5		N
WV023	47 54 27	92 23 25	.7		3		.7		1.5		.2		.5		N
WV024	47 54 30	92 22 50	.7		3		.7		2		.2		.5		N
WV025	47 53 49	92 23 27	7		3		1		2		N		.3		N
WV026	47 53 26	92 24 9	1.5		3		.7		1.5		<.2		.5		<.5
WV027	47 53 15	92 24 22	.3		3		.3		1.5		.5		.5		1
WV028	47 47 14	92 23 42	1		3		.7		1.5		.2		.7		.7
WV029	47 47 38	92 23 42	.3		3		.3		1.5		.2		.7		<.5
WV030	47 48 10	92 23 38	.7		3		1		1.5		<.2		1		1.5
WV031	47 48 18	92 22 53	.7		3		1		2		<.2		.7		<.5
WV032	47 48 59	92 24 12	.5		3		1		2		.2		.5		.5
WV033	47 48 36	92 24 2	.7		2		.7		1.5		<.2		.7		1.5
WV034	47 47 14	92 24 16	.7		3		1		2		.2		.5		<.5
WV035	47 47 6	92 24 48	.7		3		.7		1.5		<.2		.7		N
WV036	47 46 49	92 25 21	1.5		3		.7		1.5		<.2		.5		N
WV037	47 47 10	92 25 32	.7		3		.7		1.5		<.2		.7		.7
WV038	47 46 39	92 26 30	1		3		.7		2		<.2		.5		N
WV039	47 47 2	92 26 45	.7		3		.7		1.5		<.2		.7		N
WV040	47 47 31	92 26 37	.7		3		.7		2		<.2		.7		<.5
WV041	47 47 47	92 27 6	.7		3		.7		1.5		.2		.5		<.5
WV042	47 48 1	92 27 29	.7		2		.7		1.5		<.2		.5		N
WV044	47 46 20	92 26 55	1.5		3		.7		1.5		.2		.5		N
WV045	47 46 18	92 27 40	.7		3		.7		1.5		.2		1		N
WV046	47 45 58	92 27 45	2		3		1		1.5		<.2		.5		N
WV047	47 45 35	92 27 40	1.5		2		.7		1.5		.2		.3		<.5
WV048	47 45 12	92 27 58	.7		3		.7		1.5		<.2		.7		N
WV049	47 45 11	92 28 32	.7		3		.5		1.5		.2		.5		N
WV050	47 45 7	92 29 4	.7		3		.7		1.5		<.2		.5		N
WV051	47 46 47	92 27 58	.7		3		.7		1.5		.2		.5		N

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV001	N	30	700	1	N	N	20	150	20
WV002	N	20	700	1.5	N	N	10	100	30
WV003	N	15	1,500	1	N	N	<10	70	10
WV004	N	30	1,000	1	N	N	<10	100	15
WV005	N	30	1,000	1	N	N	15	150	20
WV006	N	30	700	<1	N	N	30	200	20
WV007	N	30	1,000	1	N	N	15	100	15
WV008	N	20	700	1	N	N	15	100	15
WV009	N	50	1,000	1	N	N	15	100	30
WV010	N	30	1,000	1	N	N	15	100	15
WV011	N	30	700	1	N	N	20	150	30
WV012	N	30	500	1	N	N	15	150	30
WV013	N	30	700	1	N	N	15	150	20
WV014	N	50	500	1.5	N	N	15	150	20
WV015	N	50	700	1	N	N	<10	150	30
WV016	N	30	700	1	N	N	15	100	20
WV017	N	30	700	1	N	N	15	150	30
WV018	N	50	700	1.5	N	N	20	150	50
WV019	N	30	1,000	1	N	N	20	150	15
WV020	N	30	700	1	N	N	20	150	20
WV021	N	30	700	1	N	N	20	150	20
WV022	200	20	700	1.5	N	N	10	100	20
WV023	200	15	1,000	1.5	N	N	<10	150	15
WV024	200	30	1,000	1.5	N	N	15	100	15
WV025	200	30	300	<1	N	N	15	200	50
WV026	200	30	700	1	N	N	15	100	30
WV027	<200	15	700	1	N	N	10	150	30
WV028	N	50	700	1	N	N	15	150	15
WV029	N	50	700	1	N	N	<10	70	30
WV030	N	50	1,000	1	N	N	15	100	15
WV031	N	50	700	1	N	N	10	100	15
WV032	N	30	500	1	N	N	15	150	20
WV033	N	30	700	1	N	N	10	150	15
WV034	N	30	700	1	N	N	15	150	20
WV035	N	30	700	1	N	N	N	100	15
WV036	N	30	700	1.5	N	N	N	100	15
WV037	N	30	700	1	N	N	10	100	15
WV038	N	30	700	1	N	N	15	100	20
WV039	N	50	700	1	N	N	15	150	15
WV040	N	30	700	1	N	N	10	100	15
WV041	N	15	500	1	N	N	20	150	30
WV042	N	20	500	1	N	N	10	100	15
WV044	N	20	700	1	N	N	20	100	20
WV045	N	20	700	<1	N	N	15	150	20
WV046	N	15	700	<1	N	N	20	100	15
WV047	N	15	500	1	N	N	10	70	15
WV048	N	15	700	1	N	N	15	150	15
WV049	N	30	700	1	N	N	15	100	15
WV050	N	30	700	1	N	N	20	150	15
WV051	N	20	500	1	N	N	20	150	15

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV001	50	N	<50	1,000	N	<20	50	30	N	7
WV002	50	N	50	300	N	<20	30	50	N	7
WV003	50	N	<50	150	15	<20	15	50	N	5
WV004	30	N	<50	200	<5	<20	20	50	N	7
WV005	50	N	<50	300	<5	<20	30	50	N	7
WV006	30	N	<50	1,000	N	<20	70	30	N	10
WV007	50	N	70	700	N	<20	30	50	N	7
WV008	50	N	<50	300	<5	<20	30	50	N	7
WV009	50	N	50	500	N	<20	30	50	N	7
WV010	50	N	<50	500	N	<20	30	50	N	7
WV011	50	N	<50	500	<5	<20	50	50	N	7
WV012	50	N	<50	300	N	<20	30	50	N	7
WV013	50	N	<50	300	N	<20	50	50	N	7
WV014	50	N	<50	300	N	<20	30	50	N	7
WV015	50	N	<50	700	N	<20	30	50	N	7
WV016	50	N	<50	300	<5	<20	30	50	N	7
WV017	50	N	<50	500	N	<20	30	50	N	7
WV018	50	N	<50	300	N	<20	30	50	N	7
WV019	50	N	<50	700	N	<20	50	50	N	7
WV020	50	N	<50	300	N	<20	50	50	N	7
WV021	50	N	50	300	N	<20	30	50	N	7
WV022	50	N	<50	300	N	<20	30	30	N	7
WV023	50	N	<50	200	<5	<20	50	30	N	7
WV024	50	N	<50	300	N	<20	30	30	N	7
WV025	30	N	<50	1,000	N	N	50	20	N	10
WV026	30	N	50	700	N	<20	50	50	N	7
WV027	30	N	<50	300	N	<20	50	100	N	7
WV028	50	N	50	1,000	N	<20	50	50	N	7
WV029	50	N	50	300	5	<20	30	50	N	7
WV030	50	N	50	1,000	<5	20	50	30	N	10
WV031	50	N	<50	300	N	<20	50	20	N	7
WV032	50	N	<50	300	<5	<20	50	30	N	7
WV033	30	N	50	150	N	<20	30	30	N	7
WV034	50	N	<50	500	N	<20	50	30	N	7
WV035	30	N	<50	500	<5	<20	50	30	N	7
WV036	30	N	50	700	N	<20	30	30	N	7
WV037	30	N	50	300	<5	<20	30	30	N	7
WV038	50	N	<50	500	N	<20	50	30	N	7
WV039	50	N	<50	500	N	<20	50	30	N	10
WV040	50	N	<50	500	N	<20	30	30	N	7
WV041	30	N	<50	700	N	<20	50	20	N	7
WV042	30	N	<50	500	N	<20	30	30	N	7
WV044	50	N	<50	1,000	N	<20	50	30	N	7
WV045	50	N	<50	500	<5	20	30	30	N	10
WV046	50	N	<50	700	N	<20	50	30	N	7
WV047	30	N	<50	700	N	N	30	20	N	7
WV048	30	N	<50	500	N	<20	30	30	N	7
WV049	30	N	<50	500	N	<20	30	30	N	7
WV050	30	N	<50	500	N	<20	50	30	N	7
WV051	50	N	<50	700	N	<20	50	30	N	7

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV001	N	300	N	150	N	15	<200	200	.01
WV002	N	300	N	100	N	15	N	150	.001
WV003	N	700	N	50	N	10	N	300	<.001
WV004	N	300	N	100	N	20	N	700	<.001
WV005	N	500	N	100	N	15	N	300	<.001
WV006	N	300	N	150	N	20	N	150	.001
WV007	N	500	N	150	N	20	N	300	.001
WV008	N	300	N	100	N	15	N	300	<.001
WV009	N	500	N	100	N	20	<200	300	.002
WV010	N	300	N	100	N	15	N	200	.007
WV011	N	300	N	150	N	15	<200	200	<.001
WV012	N	300	N	150	N	15	N	200	<.001
WV013	N	300	N	150	N	15	N	300	.001
WV014	N	200	N	150	N	20	N	200	<.001
WV015	N	200	N	150	N	15	<200	200	<.001
WV016	N	300	N	150	N	15	N	300	<.001
WV017	N	300	N	150	N	15	<200	300	<.001
WV018	N	200	N	200	N	15	<200	200	.002
WV019	N	300	N	150	N	15	<200	300	<.001
WV020	N	300	N	100	N	15	N	300	<.001
WV021	N	300	N	150	N	15	N	200	<.001
WV022	N	300	N	150	N	10	N	300	.009
WV023	N	300	N	150	N	15	N	200	<.001
WV024	N	500	N	150	N	15	N	200	.001
WV025	N	300	N	150	N	20	N	70	.001
WV026	N	300	N	150	N	15	N	150	.002
WV027	N	150	N	150	N	15	N	100	.002
WV028	N	300	N	150	N	15	<200	300	.002
WV029	N	300	N	150	N	20	<200	150	.002
WV030	N	300	N	150	N	20	200	300	.001
WV031	N	300	N	150	N	15	N	150	.002
WV032	N	300	N	150	N	15	N	100	.005
WV033	N	500	N	100	N	15	N	200	.008
WV034	N	300	N	150	N	15	N	150	.006
WV035	N	500	N	100	N	15	N	300	.001
WV036	N	500	N	150	N	15	N	300	<.001
WV037	N	300	N	150	N	15	N	300	.026
WV038	N	300	N	150	N	15	N	70	<.001
WV039	N	300	N	150	N	15	N	200	.001
WV040	N	300	N	150	N	15	N	300	.001
WV041	N	300	N	150	N	15	<200	200	.001
WV042	N	300	N	100	N	15	N	300	.001
WV044	N	500	N	100	N	15	<200	100	<.001
WV045	N	300	N	150	N	15	N	300	.003
WV046	N	300	N	100	N	10	<200	150	.001
WV047	N	300	N	70	N	10	N	70	<.001
WV048	N	300	N	100	N	10	N	150	<.001
WV049	N	500	N	100	N	15	N	200	<.001
WV050	N	300	N	100	N	15	<200	300	<.001
WV051	N	300	N	150	N	15	<200	300	.001

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Latitude	Longitude	Ca	%-s	Fe	%-s	Mg	%-s	Na	%-s	P	%-s	Ti	%-s	Ag ppm-s
WV053	47 46 24	92 28 36	1.5		2		.7		1.5		<.2		.5		N
WV054	47 46 15	92 29 14	.7		3		.7		1.5		.2		.5		N
WV055	47 46 8	92 30 1	.5		3		.7		1.5		.2		.5		<.5
WV056	47 46 35	92 30 3	.7		3		.7		1.5		<.2		.5		N
WV057	47 46 59	92 30 11	.7		3		.7		1.5		<.2		.5		<.5
WV058	47 47 27	92 30 7	.7		3		.7		1.5		<.2		.3		N
WV059	47 47 44	92 30 10	.5		3		.7		1.5		<.2		.3		<.5
WV060	47 49 12	92 30 10	.7		3		.7		1.5		<.2		.5		N
WV061	47 49 34	92 30 14	1		3		.7		1.5		<.2		.5		N
WV062	47 49 51	92 30 40	.7		3		.7		1.5		<.2		.5		N
WV063	47 50 11	92 31 15	.7		3		.7		1.5		<.2		.7		N
WV064	47 47 24	92 29 29	.7		3		.7		1.5		<.2		.7		<.5
WV065	47 46 19	92 30 33	1.5		3		.7		1.5		.2		.5		N
WV066	47 45 56	92 30 40	.7		3		.5		1.5		<.2		.5		<.5
WV067	47 46 25	92 31 14	.5		3		.5		1.5		<.2		.5		<.5
WV068	47 46 27	92 31 45	.7		3		.7		1.5		<.2		.3		N
WV069	47 46 50	92 31 31	.5		3		.7		1.5		<.2		.7		<.5
WV070	47 47 21	92 31 17	.3		2		.5		1.5		<.2		.5		N
WV071	47 47 38	92 31 38	.5		2		.7		1.5		<.2		.3		.7
WV072	47 46 34	92 32 18	.3		1.5		.3		1.5		<.2		.3		.7
WV073	47 46 46	92 32 51	.3		3		1		1.5		<.2		.5		<.5
WV074	47 46 55	92 33 28	.3		3		.7		1.5		<.2		.5		.5
WV075	47 47 14	92 32 58	.5		2		.7		2		<.2		.5		N
WV076	47 46 56	92 34 2	.3		2		.5		1.5		<.2		.5		.5
WV077	47 46 26	92 33 56	.3		3		.7		1.5		<.2		.7		<.5
WV078	47 46 4	92 33 48	.5		3		.7		1.5		<.2		.5		N
WV079	47 45 42	92 33 59	.3		3		.7		1.5		<.2		.7		<.5
WV080	47 47 22	92 33 58	.3		1.5		.5		1.5		<.2		.3		N
WV081	47 48 8	92 34 1	.3		3		.5		1.5		<.2		.3		N
WV082	47 48 15	92 33 26	.5		2		.5		1.5		<.2		.5		N
WV083	47 50 19	92 32 52	.7		1.5		.7		1.5		<.2		.5		N
WV084	47 49 52	92 32 49	.5		2		.7		2		<.2		.5		N
WV085	47 49 54	92 32 9	.7		3		.7		2		<.2		.7		N
WV086	47 49 52	92 31 35	.7		3		.7		1.5		<.2		.7		N
WV087	47 49 55	92 33 31	.5		2		.7		1.5		<.2		.3		N
WV088	47 49 56	92 34 17	.5		3		.7		1.5		<.2		.7		<.5
WV089	47 49 55	92 35 19	.5		3		1		1.5		<.2		.7		<.5
WV090	47 50 27	92 35 19	.5		3		1		1.5		<.2		.5		N
WV091	47 49 16	92 35 14	.7		2		.7		1.5		<.2		.5		N
WV092	47 48 38	92 35 18	.3		3		.7		1.5		<.2		.5		<.5
WV093	47 48 11	92 35 18	.3		3		.7		2		<.2		.5		N
WV094	47 47 35	92 35 14	.5		1.5		.5		2		<.2		.3		N
WV095	47 48 8	92 36 14	.3		3		.7		2		<.2		.5		N
WV096	47 47 44	92 36 16	.3		3		.7		1.5		<.2		.5		N
WV097	47 47 16	92 36 20	.5		2		.7		1.5		<.2		.7		N
WV098	47 46 51	92 36 35	.3		3		.5		1.5		.3		.5		N
WV099	47 46 52	92 35 51	.5		2		.7		1.5		<.2		.5		N
WV100	47 47 8	92 21 48	.5		3		.7		1.5		<.2		.7		<.5
WV101	47 47 10	92 22 33	.7		3		.7		2		<.2		.5		N
WV102	47 50 39	92 22 45	.5		3		.5		1.5		.2		.3		<.5

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV053	N	15	500	1	N	N	15	70	15
WV054	N	20	700	1	N	N	20	150	15
WV055	N	20	700	1	N	N	10	150	30
WV056	N	20	700	1	N	N	15	150	15
WV057	N	30	700	1	N	N	20	150	30
WV058	N	20	700	1	N	N	15	200	15
WV059	N	30	700	<1	N	N	10	100	20
WV060	N	20	700	1	N	N	20	100	20
WV061	N	30	500	1	N	N	10	100	10
WV062	N	20	700	1	N	N	20	100	20
WV063	N	30	700	1	N	N	15	100	15
WV064	N	30	700	1	N	N	20	100	15
WV065	N	15	500	<1	N	N	20	100	15
WV066	N	20	700	1	N	N	20	100	15
WV067	N	20	700	<1	N	N	15	100	15
WV068	N	20	500	1	N	N	20	150	20
WV069	N	30	700	1	N	N	15	150	15
WV070	N	15	700	1	N	N	15	70	15
WV071	N	20	500	1	N	N	15	100	15
WV072	N	30	700	1	N	N	10	70	15
WV073	N	30	500	1	N	N	30	150	30
WV074	N	30	700	1	N	N	20	70	15
WV075	N	20	1,000	<1	N	N	15	150	10
WV076	N	30	700	<1	N	N	10	50	15
WV077	N	20	1,000	<1	N	N	15	150	15
WV078	N	30	700	<1	N	N	20	100	15
WV079	N	20	1,000	<1	N	N	20	150	15
WV080	N	30	700	<1	N	N	<10	100	10
WV081	N	30	500	1	N	N	15	100	20
WV082	N	30	500	1	N	N	10	100	15
WV083	N	15	500	1	N	N	<10	70	10
WV084	N	20	700	<1	N	N	15	150	15
WV085	N	20	700	1	N	N	20	150	15
WV086	N	30	700	1.5	N	N	15	100	20
WV087	N	30	500	1.5	N	N	15	100	15
WV088	N	30	700	1	N	N	20	150	20
WV089	N	30	1,000	1.5	N	N	20	200	20
WV090	N	50	700	1.5	N	N	30	150	20
WV091	N	20	700	1	N	N	15	150	15
WV092	N	30	700	1	N	N	15	150	20
WV093	N	50	700	1.5	N	N	15	100	20
WV094	N	30	1,000	<1	N	N	<10	70	10
WV095	N	50	1,000	1	N	N	20	150	20
WV096	N	50	700	1	N	N	30	150	20
WV097	N	30	700	<1	N	N	15	70	15
WV098	N	30	700	<1	N	N	15	70	15
WV099	N	30	1,000	1	N	N	15	100	15
WV100	N	30	700	1	N	N	20	100	20
WV101	N	30	700	1	N	N	20	150	30
WV102	N	15	500	1	N	N	20	70	20

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV053	30	N	<50	700	N	<20	30	20	N	5
WV054	50	N	<50	700	<5	<20	50	30	N	7
WV055	50	N	<50	500	N	<20	30	30	N	7
WV056	50	N	<50	700	N	<20	50	30	N	7
WV057	50	N	50	700	N	<20	50	50	N	7
WV058	50	N	<50	500	N	<20	50	30	N	7
WV059	50	N	<50	300	N	<20	30	30	N	7
WV060	30	N	<50	700	N	<20	50	30	N	7
WV061	50	N	<50	300	N	<20	30	30	N	7
WV062	50	N	<50	700	N	<20	30	30	N	7
WV063	30	N	<50	700	N	<20	30	30	N	7
WV064	50	N	50	300	N	<20	30	30	N	7
WV065	30	N	<50	500	N	<20	50	15	N	7
WV066	30	N	<50	300	N	<20	30	30	N	7
WV067	30	N	<50	300	N	<20	30	30	N	7
WV068	50	N	<50	200	<5	<20	50	30	N	7
WV069	30	N	<50	300	N	<20	50	30	N	7
WV070	30	N	<50	150	N	<20	30	30	N	5
WV071	30	N	<50	150	N	<20	30	30	N	7
WV072	30	N	50	700	N	<20	20	30	N	5
WV073	30	N	<50	500	N	<20	70	50	N	10
WV074	30	N	<50	200	N	<20	50	30	N	7
WV075	30	N	<50	300	N	<20	30	30	N	7
WV076	30	N	<50	200	N	<20	20	30	N	7
WV077	30	N	50	300	N	20	50	30	N	7
WV078	50	N	<50	300	N	<20	50	30	N	10
WV079	50	N	<50	300	N	<20	50	30	N	7
WV080	30	N	<50	200	N	<20	30	30	N	7
WV081	50	N	<50	300	N	<20	30	30	N	10
WV082	50	N	<50	300	N	<20	30	30	N	7
WV083	20	N	<50	200	N	<20	20	20	N	7
WV084	30	N	<50	200	N	<20	30	30	N	10
WV085	50	N	<50	500	<5	<20	50	30	N	10
WV086	50	N	<50	700	N	<20	30	30	N	10
WV087	30	N	<50	500	N	<20	20	30	N	7
WV088	50	N	<50	1,000	N	<20	30	30	N	10
WV089	50	N	50	700	N	<20	50	30	N	10
WV090	50	N	50	1,000	N	<20	50	30	N	10
WV091	50	N	<50	300	N	<20	50	30	N	7
WV092	50	N	<50	300	N	<20	50	30	N	7
WV093	30	N	<50	500	N	<20	30	30	N	10
WV094	30	N	<50	300	N	<20	20	30	N	5
WV095	50	N	50	700	N	<20	30	30	N	10
WV096	50	N	<50	300	N	<20	50	30	N	10
WV097	30	N	<50	500	N	<20	30	30	N	7
WV098	50	N	<50	300	5	<20	30	30	N	7
WV099	30	N	<50	300	N	<20	30	30	N	7
WV100	30	N	<50	500	N	<20	50	30	N	7
WV101	50	N	<50	700	N	<20	50	150	N	7
WV102	30	N	<50	700	N	<20	30	30	N	7

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV053	N	300	N	70	N	10	N	70	<.001
WV054	N	500	N	150	N	15	<200	200	.016
WV055	N	300	N	150	N	15	N	200	.001
WV056	N	300	N	150	N	15	N	200	.001
WV057	N	300	N	150	N	15	N	150	.001
WV058	N	300	N	100	N	10	N	150	.002
WV059	N	500	N	100	N	10	N	150	.001
WV060	N	500	N	100	N	15	N	100	.001
WV061	N	500	N	100	N	15	N	150	.002
WV062	N	300	N	100	N	15	N	150	<.001
WV063	N	300	N	100	N	15	N	150	.002
WV064	N	500	N	100	N	15	N	300	<.001
WV065	N	300	N	100	N	10	N	70	<.001
WV066	N	300	N	100	N	15	N	150	.001
WV067	N	300	N	150	N	20	N	200	.001
WV068	N	300	N	150	N	15	N	150	<.001
WV069	N	300	N	100	N	20	N	300	<.001
WV070	N	300	N	100	N	10	N	200	<.001
WV071	N	300	N	100	N	15	N	150	<.001
WV072	N	300	N	70	N	15	N	200	<.001
WV073	N	300	N	150	N	15	<200	200	.002
WV074	N	300	N	100	N	15	N	200	.001
WV075	N	300	N	100	N	15	N	300	<.001
WV076	N	300	N	70	N	15	N	300	.001
WV077	N	300	N	100	N	20	N	300	<.001
WV078	N	300	N	100	N	15	N	300	.004
WV079	N	300	N	100	N	20	N	300	.001
WV080	N	300	N	70	N	10	N	200	.003
WV081	N	300	N	150	N	10	N	150	.001
WV082	N	300	N	100	N	15	N	200	<.001
WV083	N	300	N	70	N	15	N	150	<.001
WV084	N	500	N	100	N	15	N	200	<.001
WV085	N	300	N	100	N	15	N	200	.001
WV086	N	300	N	150	N	20	N	300	<.001
WV087	N	300	N	150	N	15	<200	70	.01
WV088	N	300	N	200	N	20	<200	200	.001
WV089	N	300	N	150	N	20	<200	300	.001
WV090	N	300	N	200	N	15	<200	100	.006
WV091	N	300	N	150	N	15	N	150	<.001
WV092	N	300	N	150	N	15	<200	150	.01
WV093	N	300	N	150	N	15	<200	100	.001
WV094	N	500	N	70	N	15	N	150	<.001
WV095	N	300	N	150	N	20	N	200	.001
WV096	N	300	N	200	N	15	N	200	.001
WV097	N	300	N	150	N	15	N	300	.001
WV098	N	300	N	150	N	15	N	300	.003
WV099	N	500	N	150	N	15	N	200	.005
WV100	N	300	N	150	N	20	<200	300	.001
WV101	N	500	N	150	N	20	<200	150	.001
WV102	N	300	N	100	N	15	<200	100	.54

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Latitude	Longitude	Ca %-s	Fe %-s	Mg %-s	Na %-s	P %-s	Ti %-s	Ag ppm-s
WV103	47 50 50	92 23 26	.5	3	.7	2	.2	.5	.7
WV104	47 50 57	92 23 55	.3	3	.7	1.5	.2	.5	.7
WV105	47 51 17	92 22 57	.7	3	1	2	.3	.5	<.5
WV106	47 51 27	92 22 4	.7	2	.7	2	.2	.3	<.5
WV107	47 51 35	92 21 19	.7	3	1	2	.2	.7	<.5
WV108	47 51 58	92 20 50	.5	3	.7	1.5	.3	.5	.5
WV109	47 51 10	92 24 29	.5	2	.7	1.5	.2	.3	<.5
WV110	47 51 22	92 25 3	.5	3	.7	1.5	<.2	.5	<.5
WV111	47 51 42	92 25 33	.5	3	.7	1.5	<.2	.3	<.5
WV112	47 52 1	92 25 12	.3	3	.7	1.5	.5	.5	.5
WV113	47 52 1	92 24 33	.5	3	.7	1.5	.2	.5	<.5
WV114	47 52 4	92 24 1	.5	3	1	1.5	<.2	.5	<.5
WV115	47 52 18	92 23 20	.5	3	.7	2	.2	.5	.7
WV116	47 52 19	92 22 44	.5	3	.7	1.5	<.2	.5	N
WV117	47 52 20	92 21 15	.3	3	.7	1.5	.2	.7	.7
WV118	47 52 26	92 22 18	1	5	1.5	3	<.2	.7	N
WV119	47 52 45	92 22 38	.5	3	.7	1.5	<.2	.5	<.5
WV120	47 52 59	92 23 9	.5	3	.7	1.5	<.2	.5	N
WV121	47 53 21	92 22 53	.5	3	.7	1.5	.2	.3	<.5
WV122	47 53 17	92 23 36	.7	2	.7	1.5	.2	.3	N
WV123	47 53 0	92 23 48	.3	3	.7	1.5	.2	.3	N
WV124	47 53 0	92 24 14	.5	2	.7	1.5	<.2	.5	N
WV125	47 52 35	92 24 53	.5	2	.7	1.5	<.2	.5	N
WV126	47 53 8	92 24 54	.5	3	.7	2	<.2	.5	<.5
WV127	47 52 36	92 25 32	.2	5	1.5	2	.3	.5	N
WV128	47 52 10	92 26 41	.3	3	.7	1.5	<.2	.5	N
WV129	47 52 41	92 26 52	.3	2	.7	1	.2	.3	1
WV130	47 54 25	92 28 58	.5	3	.7	1.5	<.2	.3	N
WV131	47 54 42	92 29 2	.5	3	.7	1.5	<.2	.3	N
WV132	47 54 59	92 28 58	.5	3	.7	1.5	.2	.5	N
WV133	47 53 53	92 28 59	.3	3	.7	2	<.2	.3	<.5
WV134	47 53 36	92 28 39	.3	3	.5	1	.2	.5	<.5
WV135	47 54 34	92 28 29	.5	3	.7	1.5	<.2	.3	N
WV136	47 54 7	92 29 27	.5	3	.7	1.5	<.2	.5	N
WV137	47 53 53	92 29 59	.5	3	.7	1.5	<.2	.5	N
WV138	47 53 41	92 29 28	.5	3	.7	1.5	<.2	.3	N
WV139	47 53 28	92 29 19	.3	2	.7	1.5	<.2	.5	N
WV140	47 53 53	92 30 36	.5	2	1	1.5	<.2	.3	N
WV141	47 53 29	92 30 6	.3	3	1	1.5	<.2	.5	N
WV142	47 53 14	92 29 12	.5	3	.7	1.5	.2	.7	<.5
WV143	47 53 42	92 31 10	.5	1.5	.5	1.5	<.2	.2	N
WV144	47 53 28	92 31 43	.7	2	.7	2	<.2	.3	N
WV145	47 53 57	92 32 26	.5	1.5	.3	1.5	<.2	.5	<.5
WV146	47 53 33	92 32 22	.7	2	.7	2	<.2	.5	N
WV147	47 53 39	92 32 60	.7	2	.7	2	<.2	.5	N
WV148	47 53 43	92 33 35	.5	3	.7	2	.2	.5	<.5
WV149	47 54 25	92 34 23	.7	2	.7	1.5	<.2	.3	<.5
WV150	47 54 15	92 35 6	.7	3	.7	2	<.2	.5	N
WV151	47 54 37	92 34 58	.7	3	.7	1.5	<.2	.5	N
WV152	47 54 3	92 35 34	.7	2	.5	2	<.2	.15	N

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV103	N	30	700	1	N	N	20	150	20
WV104	N	30	700	1	N	N	20	150	20
WV105	N	20	700	1.5	N	N	20	300	30
WV106	N	15	700	1.5	N	N	15	70	15
WV107	N	20	1,000	1	N	N	20	200	20
WV108	N	30	1,000	1	N	N	20	300	30
WV109	N	15	700	1	N	N	<10	70	15
WV110	N	20	1,000	1	N	N	15	150	15
WV111	N	50	700	1.5	N	N	15	100	20
WV112	N	30	1,000	1	N	N	15	100	30
WV113	N	30	700	1	N	N	30	150	30
WV114	N	30	1,000	1	N	N	30	150	20
WV115	N	30	1,000	1	N	N	30	150	30
WV116	N	30	700	<1	N	N	20	150	20
WV117	N	50	700	1	N	N	15	100	30
WV118	N	<10	500	1	N	N	50	150	50
WV119	N	50	1,000	1	N	N	20	150	15
WV120	N	50	1,000	1	N	N	20	100	15
WV121	N	20	1,000	1	N	N	20	150	20
WV122	N	15	1,500	1	N	N	15	100	15
WV123	N	20	700	<1	N	N	20	150	20
WV124	N	30	700	1	N	N	20	100	20
WV125	N	20	700	1	N	N	15	100	15
WV126	N	30	1,000	1	N	N	20	150	20
WV127	N	15	500	1	N	N	50	700	20
WV128	N	20	700	<1	N	N	20	150	15
WV129	N	30	1,000	1	N	N	20	100	20
WV130	N	20	700	1	N	N	20	100	15
WV131	N	20	700	1	N	N	20	100	15
WV132	N	20	700	1	N	N	30	100	15
WV133	N	20	700	1	N	N	20	150	20
WV134	N	30	500	<1	N	N	<10	100	20
WV135	N	30	700	1	N	N	15	100	20
WV136	N	20	1,000	1	N	N	20	100	20
WV137	N	20	1,000	<1	N	N	20	100	15
WV138	N	20	700	<1	N	N	20	100	20
WV139	N	20	700	<1	N	N	20	100	15
WV140	N	15	700	1	N	N	20	100	15
WV141	N	30	700	<1	N	N	30	100	20
WV142	N	30	700	<1	N	N	30	150	20
WV143	N	20	700	1	N	N	10	50	10
WV144	N	20	700	1	N	N	<10	70	10
WV145	N	20	1,000	<1	N	N	N	70	10
WV146	N	20	1,000	1	N	N	<10	70	15
WV147	N	15	1,000	1	N	N	10	70	15
WV148	N	20	1,000	1	N	N	15	100	15
WV149	N	20	700	1	N	N	<10	70	15
WV150	N	30	1,000	<1	N	N	30	150	20
WV151	N	30	700	<1	N	N	20	150	15
WV152	N	15	700	1	N	N	<10	70	15

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV103	50	N	50	700	N	<20	50	50	N	7
WV104	30	N	<50	500	N	<20	50	30	N	7
WV105	50	N	<50	700	N	<20	50	50	N	7
WV106	30	N	<50	700	N	<20	20	30	N	7
WV107	50	N	50	1,500	N	20	50	30	N	7
WV108	50	N	<50	3,000	N	<20	50	50	N	7
WV109	50	N	<50	300	N	<20	30	30	N	5
WV110	50	N	<50	500	N	<20	50	30	N	7
WV111	50	N	50	700	N	<20	50	50	N	7
WV112	50	N	<50	1,500	N	20	50	70	N	7
WV113	30	N	50	2,000	N	<20	50	50	N	7
WV114	50	N	<50	500	N	<20	50	50	N	10
WV115	50	N	50	1,000	N	<20	50	50	N	10
WV116	30	N	<50	300	N	<20	50	30	N	10
WV117	50	N	50	700	N	20	30	50	N	10
WV118	70	N	<50	1,500	N	<20	50	30	N	30
WV119	50	N	50	500	N	<20	50	30	N	10
WV120	50	N	50	700	N	<20	50	30	N	10
WV121	50	N	<50	500	N	<20	50	50	N	7
WV122	30	N	<50	700	N	<20	50	30	N	7
WV123	30	N	<50	300	N	<20	50	30	N	7
WV124	50	N	<50	700	N	<20	30	30	N	7
WV125	30	N	<50	300	N	<20	30	30	N	7
WV126	50	N	<50	1,500	N	20	50	50	N	7
WV127	50	N	<50	700	N	<20	100	50	N	10
WV128	50	N	<50	300	N	<20	50	50	N	7
WV129	30	N	<50	1,500	N	<20	30	50	N	7
WV130	50	N	<50	300	N	<20	30	30	N	7
WV131	50	N	<50	700	N	<20	30	50	N	7
WV132	50	N	<50	700	<5	<20	30	30	N	7
WV133	50	N	<50	300	N	<20	30	30	N	7
WV134	50	N	<50	500	N	20	20	50	N	5
WV135	50	N	<50	300	N	<20	50	50	N	7
WV136	50	N	<50	500	N	<20	50	30	N	7
WV137	50	N	<50	500	N	<20	50	50	N	7
WV138	50	N	<50	500	N	<20	50	50	N	7
WV139	50	N	<50	700	N	<20	30	30	N	7
WV140	50	N	<50	300	N	<20	50	50	N	7
WV141	50	N	<50	500	N	<20	50	50	N	7
WV142	50	N	<50	700	N	20	50	50	N	10
WV143	30	N	<50	200	N	<20	20	30	N	5
WV144	30	N	<50	500	N	<20	20	30	N	5
WV145	20	N	<50	150	N	<20	5	30	N	<5
WV146	30	N	<50	300	N	<20	30	30	N	7
WV147	30	N	50	700	N	<20	20	30	N	7
WV148	50	N	<50	700	N	<20	20	30	N	7
WV149	30	N	<50	300	N	<20	20	30	N	7
WV150	30	N	50	1,500	N	<20	30	30	N	7
WV151	30	N	<50	1,500	N	<20	50	50	N	10
WV152	30	N	N	300	N	N	20	20	N	5

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV103	N	300	N	100	N	20	<200	300	.001
WV104	N	300	N	100	N	15	<200	200	.001
WV105	N	300	N	100	N	15	200	70	.002
WV106	N	500	N	100	N	15	<200	200	.001
WV107	N	500	N	150	N	20	200	300	.003
WV108	N	300	N	100	N	15	<200	300	.001
WV109	N	300	N	100	N	10	N	70	.002
WV110	N	300	N	100	N	15	N	200	.001
WV111	N	300	N	150	N	15	N	70	.001
WV112	N	200	N	100	N	15	<200	200	<.001
WV113	N	300	N	100	N	15	<200	300	.001
WV114	N	300	N	100	N	15	<200	300	.003
WV115	N	300	N	150	N	20	<200	300	.001
WV116	N	300	N	150	N	15	N	200	.001
WV117	N	300	N	150	N	20	<200	300	<.001
WV118	N	300	N	300	N	30	<200	100	.004
WV119	N	300	N	150	N	15	<200	150	.001
WV120	N	300	N	150	N	20	N	300	.001
WV121	N	300	N	100	N	15	<200	150	.002
WV122	N	500	N	70	N	10	N	200	<.001
WV123	N	300	N	100	N	15	<200	150	.002
WV124	N	200	N	100	N	15	N	200	.001
WV125	N	300	N	100	N	15	N	200	.001
WV126	N	300	N	100	N	15	200	150	.001
WV127	N	150	N	150	N	20	<200	70	.001
WV128	N	300	N	100	N	15	N	200	<.001
WV129	N	200	N	100	N	15	200	150	.003
WV130	N	300	N	70	N	15	N	100	<.001
WV131	N	300	N	100	N	10	N	100	.001
WV132	N	300	N	100	N	10	N	200	<.001
WV133	N	200	N	100	N	<10	N	150	.006
WV134	N	150	N	150	N	15	<200	150	.003
WV135	N	300	N	150	N	15	N	150	<.001
WV136	N	300	N	150	N	15	N	300	.001
WV137	N	300	N	150	N	15	N	200	<.001
WV138	N	300	N	100	N	10	N	150	.001
WV139	N	200	N	100	N	15	N	200	<.001
WV140	N	300	N	70	N	<10	N	100	<.001
WV141	N	300	N	100	N	15	N	200	.002
WV142	N	300	N	100	N	20	<200	300	.001
WV143	N	300	N	70	N	<10	N	70	<.001
WV144	N	300	N	70	N	15	N	150	<.001
WV145	N	300	N	50	N	15	N	200	.001
WV146	N	300	N	70	N	15	N	200	.002
WV147	N	300	N	70	N	15	N	150	.001
WV148	N	300	N	70	N	15	N	150	.001
WV149	N	300	N	70	N	15	N	100	.002
WV150	N	300	N	150	N	30	N	200	.001
WV151	N	300	N	100	N	15	<200	300	<.001
WV152	N	300	N	70	N	10	N	70	.001

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Latitude	Longitude	Ca %-s	Fe %-s	Mg %-s	Na %-s	P %-s	Ti %-s	Ag ppm-s
WV153	47 53 39	92 35 23	.5	2	1	1.5	<.2	.5	N
WV154	47 53 22	92 34 47	.7	3	1	2	<.2	.7	<.5
WV155	47 53 24	92 35 25	.7	3	.7	2	<.2	.3	N
WV156	47 52 54	92 35 17	.7	2	.7	1.5	<.2	.3	N
WV157	47 53 15	92 35 55	.7	2	.7	1.5	<.2	.5	N
WV158	47 53 21	92 36 45	.7	3	1	2	<.2	.5	<.5
WV159	47 53 54	92 36 39	.7	2	1	2	<.2	.5	<.5
WV160	47 54 23	92 36 48	.5	2	.5	1.5	<.2	.7	N
WV161	47 52 45	92 37 22	.7	3	1	1.5	<.2	.7	N
WV162	47 51 34	92 35 16	.7	2	.7	2	.2	.5	N
WV163	47 52 4	92 28 20	.7	3	.7	2	<.2	.5	N
WV164	47 51 57	92 28 52	1.5	3	.7	3	<.2	.5	N
WV165	47 51 28	92 28 53	.7	3	1	2	<.2	.5	N
WV166	47 50 42	92 30 28	.7	3	.7	1.5	.2	.3	<.5
WV167	47 50 45	92 31 5	.7	3	1	1.5	<.2	.5	.7
WV168	47 53 27	92 37 24	1.5	3	1	2	<.2	.5	<.5
WV169	47 53 47	92 37 55	.7	3	1	5	<.2	.7	<.5
WV170	47 54 5	92 38 15	.5	1.5	.5	1.5	<.2	.3	N
WV171	47 54 26	92 38 5	.7	3	.7	1.5	<.2	1	<.5
WV172	47 54 51	92 38 6	.7	1.5	.3	1.5	<.2	.5	N
WV173	47 54 44	92 37 38	1.5	3	1	2	<.2	.7	.5
WV174	47 55 1	92 37 57	.7	2	.7	1.5	.3	.2	N
WV175	47 54 27	92 38 44	.7	3	1	1.5	<.2	.7	<.5
WV176	47 54 43	92 39 22	.7	3	1	2	<.2	.7	N
WV177	47 55 14	92 39 26	.7	3	1	1.5	N	.7	N
WV178	47 55 19	92 38 55	.7	2	.7	1.5	<.2	.7	N
WV179	47 55 32	92 38 48	1.5	3	1	2	<.2	.7	N
WV180	47 54 17	92 39 34	.7	2	.7	1.5	<.2	.5	N
WV181	47 53 53	92 39 34	.7	5	1	1.5	N	.7	<.5
WV182	47 53 25	92 37 59	.7	5	1	1.5	<.2	.7	N
WV183	47 52 39	92 40 36	.7	5	1	1.5	<.2	1	<.5
WV184	47 51 57	92 41 12	.7	2	.7	1.5	<.2	.5	N
WV185	47 51 41	92 40 25	.7	5	1	1.5	N	.7	N
WV186	47 52 5	92 40 26	.7	5	1.5	1.5	<.2	.7	N
WV187	47 51 41	92 39 31	.7	3	1	1.5	<.2	.7	N
WV188	47 52 8	92 39 4	.7	5	1	1	N	.7	N
WV189	47 51 44	92 38 38	.7	3	1	1.5	<.2	.7	N
WV200	47 46 59	92 35 16	1	3	1	2	<.2	.7	.5
WV201	47 47 3	92 34 41	1	2	.7	2	<.2	.5	.7
WV202	47 54 21	92 27 57	.7	2	.7	1.5	<.2	.3	N
WV203	47 53 58	92 28 21	.7	2	.5	2	N	1	N
WV204	47 53 35	92 28 11	.7	5	.7	1.5	.5	.7	N
WV205	47 53 48	92 27 38	.7	3	1	1.5	<.2	.7	N
WV206	47 54 1	92 27 17	.3	1	.3	1.5	<.2	.3	N
WV207	47 53 31	92 27 1	.3	3	.7	1	.5	.5	N
WV208	47 53 40	92 26 46	.7	5	1	1.5	.5	.7	N
WV209	47 53 13	92 27 22	.5	3	.7	1.5	1	.5	.5
WV210	47 52 57	92 28 20	1	5	1	1.5	.3	1	<.5
WV211	47 53 13	92 28 23	.7	3	.7	1.5	.5	.5	.7
WV212	47 53 2	92 29 35	1	1.5	.7	1.5	<.2	.3	N

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV153	N	20	1,000	1	N	N	15	150	10
WV154	N	30	1,000	<1	N	N	15	150	20
WV155	N	30	1,000	1	N	N	15	100	15
WV156	N	20	700	1	N	N	10	100	15
WV157	N	20	1,000	1	N	N	10	100	15
WV158	N	30	1,000	1	N	N	15	150	15
WV159	N	30	1,000	1	N	N	15	100	15
WV160	N	30	700	<1	N	N	10	70	10
WV161	N	30	1,000	1	N	N	20	150	15
WV162	N	20	700	1	N	N	15	100	15
WV163	N	30	1,000	1	N	N	15	100	20
WV164	N	30	1,000	1	N	N	15	100	20
WV165	N	50	700	1	N	N	20	150	20
WV166	N	30	700	1	N	N	15	70	15
WV167	N	50	700	1.5	N	N	20	150	30
WV168	N	20	700	1	N	N	20	200	20
WV169	N	30	1,000	1.5	N	N	15	150	15
WV170	N	20	700	1	N	N	<10	50	7
WV171	N	50	1,000	<1	N	N	10	100	20
WV172	N	30	700	1	N	N	<10	30	7
WV173	N	30	1,000	1	N	N	15	100	15
WV174	N	15	700	1.5	N	N	<10	100	10
WV175	N	50	700	1	N	N	15	150	20
WV176	N	50	1,000	1	N	N	20	150	15
WV177	N	30	1,000	1	N	N	20	100	20
WV178	N	30	700	1	N	N	10	70	15
WV179	N	30	1,000	1	N	N	20	150	15
WV180	N	20	700	1	N	N	20	100	15
WV181	N	50	700	1	N	N	30	200	20
WV182	N	30	700	<1	N	N	20	150	15
WV183	N	50	1,000	1	N	N	20	200	30
WV184	N	20	700	1	N	N	<10	70	15
WV185	N	50	1,000	1	N	N	20	200	30
WV186	N	70	1,000	1.5	N	N	20	150	30
WV187	N	50	1,000	1	N	N	15	150	20
WV188	N	70	1,000	1.5	N	N	15	150	30
WV189	N	50	1,000	1.5	N	N	15	150	20
WV200	N	50	1,000	1.5	N	N	20	150	15
WV201	N	50	1,000	1	N	N	<10	70	15
WV202	N	20	1,000	1.5	N	N	<10	50	15
WV203	N	30	1,500	<1	N	N	N	100	10
WV204	N	30	1,000	1	N	N	15	150	30
WV205	N	50	1,500	1	N	N	20	100	15
WV206	N	20	1,000	<1	N	N	N	30	10
WV207	N	20	1,000	1	N	N	10	70	20
WV208	N	30	1,000	1.5	N	N	20	150	20
WV209	N	30	1,000	1	N	N	10	100	30
WV210	N	30	1,500	1	N	N	10	150	30
WV211	N	50	1,500	1.5	N	N	15	100	20
WV212	N	20	500	1.5	N	N	10	100	20

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV153	30	N	<50	300	N	<20	30	30	N	7
WV154	30	N	<50	500	N	<20	50	50	N	10
WV155	50	N	<50	300	N	<20	50	50	N	7
WV156	30	N	<50	500	N	<20	30	30	N	7
WV157	30	N	<50	500	N	<20	30	30	N	7
WV158	50	N	<50	500	N	<20	50	30	N	10
WV159	50	N	50	700	N	<20	50	30	N	7
WV160	30	N	<50	300	N	<20	15	20	N	7
WV161	50	N	<50	700	N	<20	50	30	N	10
WV162	30	N	<50	500	N	<20	30	30	N	7
WV163	30	N	50	300	N	<20	30	30	N	7
WV164	50	N	50	700	N	<20	30	50	N	7
WV165	50	N	<50	1,000	N	<20	50	50	N	7
WV166	30	N	70	500	N	<20	30	30	N	7
WV167	50	N	50	1,000	N	<20	50	50	N	10
WV168	30	N	50	700	N	<20	50	30	N	7
WV169	50	N	50	500	N	20	50	50	N	10
WV170	30	N	<50	300	N	N	20	30	N	5
WV171	30	N	<50	1,000	N	20	30	50	N	7
WV172	30	N	<50	300	N	<20	15	20	N	5
WV173	50	N	<50	1,000	N	20	30	30	N	7
WV174	30	N	<50	500	N	<20	20	30	N	5
WV175	30	N	50	300	N	<20	50	30	N	7
WV176	50	N	<50	500	N	<20	50	50	N	10
WV177	50	N	50	700	N	20	50	50	N	10
WV178	30	N	<50	500	N	<20	30	30	N	7
WV179	50	N	<50	1,000	N	<20	30	50	N	10
WV180	30	N	<50	1,000	N	<20	30	50	N	7
WV181	50	N	50	700	N	<20	50	50	N	10
WV182	50	N	<50	500	N	<20	50	50	N	10
WV183	50	N	50	1,000	N	<20	50	30	N	10
WV184	30	N	<50	500	N	<20	20	30	N	7
WV185	50	N	50	1,000	N	<20	50	30	N	7
WV186	50	N	50	1,000	N	<20	50	50	N	10
WV187	50	N	<50	700	N	<20	70	30	N	10
WV188	50	N	<50	700	N	<20	50	30	N	10
WV189	50	N	<50	700	N	<20	50	50	N	10
WV200	50	N	<50	1,000	N	<20	50	50	N	10
WV201	50	N	<50	500	N	<20	20	30	N	5
WV202	30	N	<50	300	N	N	20	50	N	5
WV203	50	N	<50	300	N	20	<5	50	N	7
WV204	50	N	50	300	N	<20	30	50	N	7
WV205	30	N	50	1,000	N	<20	30	30	N	7
WV206	30	N	<50	200	N	N	5	50	N	<5
WV207	30	N	<50	200	N	N	30	30	N	5
WV208	50	N	<50	500	N	<20	50	50	N	7
WV209	50	N	<50	300	N	<20	30	50	N	7
WV210	50	N	50	700	N	20	30	50	N	10
WV211	50	N	50	700	N	<20	30	50	N	10
WV212	20	N	<50	300	N	<20	30	30	N	7

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV153	N	300	N	70	N	15	N	300	<.001
WV154	N	300	N	70	N	15	N	300	<.001
WV155	N	300	N	100	N	15	N	150	.009
WV156	N	300	N	70	N	10	N	200	.001
WV157	N	300	N	70	N	15	N	200	.001
WV158	N	300	N	100	N	15	N	300	<.001
WV159	N	300	N	70	N	20	N	300	<.001
WV160	N	300	N	50	N	15	N	300	.001
WV161	N	300	N	70	N	20	N	200	<.001
WV162	N	500	N	70	N	15	N	150	<.001
WV163	N	500	N	100	N	15	N	70	.001
WV164	N	700	N	100	N	15	N	200	.002
WV165	N	500	N	100	N	20	N	150	.002
WV166	N	300	N	70	N	15	<200	150	<.001
WV167	N	300	N	150	N	15	<200	200	.001
WV168	N	500	N	100	N	20	N	500	<.001
WV169	N	500	N	100	N	20	N	300	.001
WV170	N	300	N	50	N	<10	N	150	<.001
WV171	N	500	N	100	N	20	<200	500	<.001
WV172	N	500	N	70	N	<10	N	300	.001
WV173	N	500	N	150	N	15	<200	500	<.001
WV174	N	500	N	70	N	15	N	150	.004
WV175	N	300	N	150	N	15	N	300	.001
WV176	N	500	N	100	N	20	N	500	<.001
WV177	N	300	N	150	N	20	<200	500	<.001
WV178	N	300	N	70	N	15	<200	300	<.001
WV179	N	500	N	100	N	20	N	300	.001
WV180	N	500	N	100	N	15	N	300	<.001
WV181	N	300	N	200	N	15	N	300	.001
WV182	N	300	N	150	N	15	N	300	<.001
WV183	N	300	N	200	N	15	N	300	.001
WV184	N	500	N	70	N	<10	N	100	<.001
WV185	N	500	N	150	N	20	N	300	.001
WV186	N	300	N	200	N	20	N	200	.001
WV187	N	300	N	150	N	15	N	200	.001
WV188	N	300	N	200	N	15	N	200	.001
WV189	N	300	N	150	N	15	N	200	.001
WV200	N	500	N	150	N	15	N	200	<.001
WV201	N	500	N	70	N	10	N	200	.001
WV202	N	500	N	70	N	<10	N	150	<.001
WV203	N	500	N	100	N	20	N	700	<.001
WV204	N	300	N	100	N	20	N	300	.001
WV205	N	500	N	100	N	20	N	300	.001
WV206	N	300	N	50	N	<10	N	300	<.001
WV207	N	200	N	70	N	15	N	200	<.001
WV208	N	300	N	150	N	20	<200	300	.001
WV209	N	300	N	150	N	15	N	300	<.001
WV210	N	500	N	150	N	20	N	500	<.001
WV211	N	300	N	150	N	20	N	300	<.001
WV212	N	300	N	70	N	10	N	100	.001

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Latitude	Longitude	Ca %-s	Fe %-s	Mg %-s	Na %-s	P %-s	Ti %-s	Ag ppm-s
WV213	47 52 41	92 29 56	2	3	1	1.5	.2	.7	N
WV214	47 52 21	92 29 34	.7	3	.7	1.5	.2	.5	<.5
WV215	47 52 13	92 28 57	.7	2	.7	1.5	.2	.3	N
WV216	47 52 3	92 27 15	.7	2	.7	1.5	<.2	.3	N
WV218	47 52 24	92 27 55	.7	3	.7	1.5	.2	.5	<.5
WV219	47 53 16	92 26 36	.7	2	.7	1.5	<.2	.5	<.5
WV220	47 53 34	92 25 15	.7	3	.7	1.5	<.2	.7	<.5
WV221	47 53 39	92 24 33	1	3	.7	2	<.2	1	<.5
WV222	47 49 8	92 26 55	7	.7	.15	.5	7	.1	N
WV223	47 49 16	92 23 54	1	3	1	1.5	<.2	.7	<.5
WV224	47 49 24	92 24 7	2	2	1	2	<.2	.3	<.5
WV225	47 49 42	92 24 13	.5	3	.7	1.5	.2	.5	N
WV226	47 49 57	92 24 24	1.5	3	.1	2	<.2	1	N
WV227	47 49 56	92 24 51	2	3	1.5	2	<.2	.5	N
WV228	47 54 35	92 33 9	.7	2	.7	2	<.2	.7	N
WV229	47 54 17	92 32 29	.7	2	.5	1.5	.3	.3	N
WV230	47 54 14	92 34 37	.7	3	.7	1.5	1	.5	N
WV231	47 54 37	92 31 57	1.5	1.5	.7	2	<.2	.3	N
WV232	47 54 24	92 31 21	.7	3	.7	1	.7	.7	<.5
WV233	47 55 2	92 31 19	1	3	.7	1.5	<.2	.7	N
WV234	47 55 41	92 30 46	.7	3	.7	1.5	1	.3	N
WV235	47 55 25	92 29 49	3	3	1	2	.5	1	N
WV236	47 55 18	92 28 39	3	2	.7	2	<.2	.7	.5
WV237	47 55 14	92 28 1	.7	3	.7	1.5	N	.5	N
WV238	47 54 38	92 29 34	.7	3	.7	1.5	.2	.7	N
WV239	47 54 17	92 30 4	1.5	3	1	2	.5	.5	N
WV240	47 53 59	92 31 59	.7	2	.7	1.5	.7	.5	N
WV241	47 54 28	92 33 30	.3	3	.5	1.5	.3	.3	N
WV242	47 54 41	92 33 59	.5	1.5	.5	1.5	.3	.2	<.5
WV243	47 51 25	92 16 11	.3	2	.3	1	1.5	.5	1.5
WV244	47 51 18	92 16 0	.7	3	.7	1.5	.2	.7	1.5
WV245	47 51 14	92 25 56	.5	3	.7	1.5	.5	.5	3
WV246	47 51 17	92 16 4	.7	3	.7	1.5	.2	1	3
WV247	47 51 24	92 16 6	.5	2	.7	1.5	.3	.3	2
WV248	47 51 10	92 16 11	1.5	3	.7	2	<.2	.7	3
WV249	47 51 34	92 11 36	.5	2	.7	1.5	<.2	.5	<.5
WV261	47 53 54	92 15 34	.7	3	1	1.5	<.2	.7	<.5
WV268	47 50 46	92 13 12	.3	3	.5	1	.5	.3	<.5

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s
WV213	N	30	1,000	1	N	N	15	100	15
WV214	N	30	700	1	N	N	15	100	15
WV215	N	20	700	1.5	N	N	15	70	15
WV216	N	20	700	<1	N	N	10	100	15
WV218	N	50	700	1	N	N	20	150	30
WV219	N	50	700	1	N	N	<10	70	15
WV220	N	50	1,000	1	N	N	20	100	20
WV221	N	30	1,000	<1	N	N	10	150	20
WV222	N	20	300	1	N	N	N	30	20
WV223	N	30	700	<1	N	N	15	200	15
WV224	N	30	700	<1	N	N	<10	70	10
WV225	N	50	500	1	N	N	15	150	20
WV226	N	50	1,000	<1	N	N	15	150	15
WV227	N	30	700	<1	N	N	15	150	20
WV228	N	50	700	<1	N	N	<10	100	10
WV229	N	30	700	1	N	N	<10	70	10
WV230	N	30	1,000	<1	N	N	10	100	15
WV231	N	50	700	1	N	N	<10	70	7
WV232	N	50	1,000	1	N	N	15	100	20
WV233	N	30	1,000	1	N	N	30	150	15
WV234	N	15	700	1	N	N	10	100	20
WV235	N	30	1,000	<1	N	N	10	100	30
WV236	N	30	1,000	1	N	N	10	100	15
WV237	N	20	700	<1	N	N	10	100	15
WV238	N	30	1,000	1	N	N	20	100	20
WV239	N	20	1,000	1	N	N	15	100	20
WV240	N	30	700	1	N	N	10	70	15
WV241	N	30	500	1	N	N	10	70	20
WV242	N	20	500	1	N	N	<10	50	10
WV243	N	30	500	1	N	N	<10	50	150
WV244	N	30	700	1	N	N	30	100	700
WV245	N	30	700	1	N	N	15	70	700
WV246	N	50	1,000	<1	N	N	10	100	150
WV247	N	30	500	1	N	N	10	70	200
WV248	N	30	700	<1	N	N	20	150	150
WV249	N	50	700	1	N	N	10	70	20
WV261	N	30	700	1	N	N	30	100	150
WV268	N	30	700	1	N	N	20	70	30

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Ga ppm-s	Ge ppm-s	La ppm-s	Mn ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s	Sb ppm-s	Sc ppm-s
WV213	50	N	<50	1,000	N	<20	20	50	N	7
WV214	30	N	<50	500	N	<20	30	30	N	7
WV215	30	N	<50	1,000	N	N	20	30	N	7
WV216	30	N	<50	500	N	<20	30	30	N	7
WV218	30	N	<50	3,000	N	<20	30	50	N	10
WV219	30	N	<50	700	<5	<20	15	30	N	7
WV220	50	N	<50	700	N	<20	30	50	N	10
WV221	50	N	50	300	N	20	30	70	N	7
WV222	7	N	<50	500	N	N	<5	10	N	<5
WV223	50	N	<50	700	N	<20	50	20	N	7
WV224	30	N	<50	700	N	<20	15	30	N	7
WV225	30	N	<50	300	N	<20	30	30	N	7
WV226	50	N	50	500	N	<20	30	50	N	10
WV227	50	N	50	1,000	N	<20	15	50	N	7
WV228	50	N	70	300	7	<20	20	50	N	7
WV229	30	N	70	200	N	<20	7	50	N	5
WV230	50	N	<50	300	N	<20	10	50	N	7
WV231	30	N	70	300	N	<20	7	70	N	5
WV232	50	N	50	500	N	20	20	50	N	7
WV233	50	N	50	1,500	N	20	30	50	N	7
WV234	30	N	<50	300	N	<20	30	20	N	7
WV235	30	N	<50	300	N	<20	15	70	N	7
WV236	30	N	<50	500	N	<20	15	50	N	7
WV237	30	N	<50	500	N	<20	30	20	N	7
WV238	30	N	<50	1,500	N	<20	50	30	N	7
WV239	50	N	<50	1,000	N	<20	20	50	N	7
WV240	30	N	<50	700	N	<20	15	30	N	7
WV241	30	N	<50	150	N	<20	20	30	N	7
WV242	20	N	<50	500	N	<20	15	30	N	5
WV243	30	N	<50	150	<5	<20	10	30	N	5
WV244	30	N	<50	500	<5	<20	50	30	N	7
WV245	30	N	50	1,500	5	<20	15	30	N	5
WV246	50	N	<50	700	5	20	20	50	N	7
WV247	30	N	<50	500	5	<20	15	70	N	5
WV248	30	N	50	1,000	N	<20	30	30	N	7
WV249	30	N	50	1,000	N	<20	15	30	N	7
WV261	30	N	70	700	N	<20	70	70	N	7
WV268	30	N	50	1,500	<5	<20	20	50	N	5

Table 2. Gold and spectrographic analyses of 238 B-horizon soil samples.--Continued

Sample	Sn ppm-s	Sr ppm-s	Th ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s	Au ppm-a
WV213	N	500	N	100	N	20	<200	300	.001
WV214	N	500	N	100	N	15	<200	150	.002
WV215	N	300	N	70	N	15	<200	70	.001
WV216	N	500	N	100	N	15	N	100	.001
WV218	N	300	N	100	N	20	<200	200	.001
WV219	N	500	N	70	N	15	N	300	<.001
WV220	N	300	N	100	N	20	N	300	.001
WV221	N	500	N	150	N	20	N	500	.001
WV222	N	300	N	30	N	<10	500	30	.002
WV223	N	500	N	150	N	15	N	300	.002
WV224	N	500	N	70	N	10	N	100	.001
WV225	N	300	N	150	N	10	<200	200	.002
WV226	N	700	N	150	N	20	N	500	.005
WV227	N	700	N	150	N	15	N	70	.001
WV228	N	500	N	100	N	15	N	300	.001
WV229	N	500	N	70	N	15	N	200	.001
WV230	N	300	N	100	N	15	N	300	.002
WV231	N	1,000	N	70	N	10	N	100	.001
WV232	N	300	N	100	N	15	<200	300	.002
WV233	N	500	N	100	N	15	<200	500	<.001
WV234	N	500	N	70	N	15	N	150	.001
WV235	N	500	N	150	N	20	N	200	.001
WV236	N	700	N	100	N	15	N	200	<.001
WV237	N	300	N	150	N	10	N	150	<.001
WV238	N	300	N	100	N	15	300	150	.001
WV239	N	700	N	100	N	20	200	200	.001
WV240	N	500	N	100	N	20	200	200	<.001
WV241	N	300	N	100	N	15	<200	200	.001
WV242	N	300	N	70	N	10	N	70	.001
WV243	N	150	N	70	N	15	N	150	.002
WV244	N	300	N	150	N	20	N	200	.012
WV245	N	300	N	100	N	15	<200	150	.044
WV246	N	300	N	150	N	30	N	500	.002
WV247	N	300	N	100	N	15	N	100	.016
WV248	N	700	N	150	N	20	N	200	.038
WV249	N	300	N	100	N	20	<200	150	.005
WV261	N	300	N	150	N	20	<200	200	.001
WV268	N	200	N	100	N	15	<200	200	.013