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Analyses of outcrops and B-horizon soil samples,
Iron River 1° x 2° quadrangle, Michigan-Wisconsin

by

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Introduction

This report presents a listing of the results of semiquantitative spectrographic analyses of 71 outcrop samples of 3,156 B-horizon soil samples collected in the Iron River 1° x 2° quadrangle, Michigan-Wisconsin. Data for the outcrop samples are listed in table 1, and data for the B-horizon soil samples are in table 2. The analytical data were entered into and are stored in a U.S. Geological Survey computer storage system (RASS) (VanTrump and Miesch, 1977).

Sample collection

The Iron River 1° x 2° quadrangle, Michigan-Wisconsin, encompasses approximately 16,957 km² (6,624 mi²). Approximately 15,216 km² (5,944 mi²) of this area is land surface, while Lake Superior encompasses 1,741 km² (680 mi²). For the purposes of this study, B-horizon soil samples were collected at 3,156 locations, or at an approximate density of 1 sample per 4.8 km² (1.9 mi²).

The samples were collected in 1978 and 1979 by two samplers working a six-week period in May-June and a four-week period in September of each year. An attempt was made to obtain as uniform a sample distribution as possible using existing roadways and some rivers and lakeshores as traverse lines. In all instances an attempt was made to collect only undisturbed soils. In some more intensely agricultural areas, it was impossible to avoid cleared fields. Outcrop samples were collected wherever available adjacent to a soil sample location.

The B-horizon soils were generally collected at a 32.5- to 37.5-cm (13- to 15-in.) depth, although the total depth range was 5 to 61 cm (2-24 in.). Approximately 1/2 kg (1 lb) of soil was collected at each sample location using an impact-type post-hole digger and a small crowbar in more rocky areas. The samples were stored in kraft paper bags through the drying process.

Sample preparation

The B-horizon soils were oven-dried overnight at 100°C in their original kraft paper bags. If the sample was extremely rich in clay, it was disaggregated in a jawcrusher using a wide jaw setting. All of the soils were sieved through an 80-mesh (177 micron opening) sieve, and an 84-g (3-oz) container of the fine fraction was saved for analysis.

The outcrop samples were crushed in a jaw crusher and ground in a vertical grinder. These samples were also sieved through an 80-mesh (177 micron opening) sieve and the fine fraction saved for analysis.

Analytical procedures

Elements were determined by a semiquantitative spectrographic method described by Grimes and Marranzino (1968). Results of these spectrographic analyses are reported within geometric intervals having boundaries of 1,200, 830, 560, 380, 260, 180, 120, and so on in ppm, but are shown in the histograms by approximate geometric midpoints such as 1,000, 700, 500, 300, 200, 150, and 100. Precision of a reported value is approximately plus or minus one interval at 83 percent confidence, or plus or minus two intervals at 96 percent confidence (Motooka and Grimes, 1976).

EXPLANATION OF TABLES

Iron, magnesium, calcium, and titanium values are reported in percent; all other elements are in parts per million. Symbols shown on the tables are as follows: N, not detected; <, amount detected is below the lowest limit of determination, which is the figure shown; and >, amount detected is above the highest limit of determination, which is the figure shown.

In table 2, in addition to the indicated elements, the B-horizon samples were analyzed for As, Au, Bi, Cd, Sb, W, Zn, and Th. The appropriate element columns were not included because these elements were not detected in any of the samples.

References cited

- Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating spark emission spectrographic field methods for the semiquantitative analyses of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analysis: U.S. Geological Survey Circular 738, p. 25.
- VanTrump, George, Jr., and Miesch, A. T., 1977, U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geoscience, v. 3, p. 475-488.

Table 1.--Semi-quantitative spectrographic analyses of outcrop samples from the Iron River 1° x 2° quadrangle, Michigan-Wisconsin

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | As | Au | B |
|----------|----------|-----------|-------|------|-------|-------|-------|-------|----|----|-------|
| 78LE056R | 46 35 19 | 39 35 49 | 5.0 | .70 | 1.00 | .70 | 700 | N | N | N | 100 |
| 78LE058R | 46 33 12 | 39 35 17 | 1.5 | .15 | .30 | .15 | 150 | N | N | N | 10 |
| 78LE059R | 46 40 17 | 39 37 27 | 1.5 | .50 | .07 | .20 | 500 | N | N | N | 50 |
| 78LE064R | 46 40 41 | 39 34 36 | 3.0 | .50 | .10 | .20 | 500 | N | N | N | 30 |
| 78LE088R | 46 33 44 | 39 42 26 | 2.0 | .20 | .20 | .15 | 300 | N | N | N | 100 |
| 78LE098R | 46 39 55 | 39 32 29 | 10.0 | 1.50 | 5.00 | .70 | 1,000 | N | N | N | 10 |
| 78LE157R | 46 44 35 | 39 43 23 | 3.0 | .50 | 5.00 | .70 | 500 | N | N | N | 100 |
| 78LE158R | 46 22 55 | 39 30 30 | 5.0 | 1.00 | .70 | .70 | 500 | N | N | N | 15 |
| 78LE258R | 46 23 56 | 39 35 30 | 2.0 | .70 | .20 | .07 | 300 | N | N | N | 10 |
| 78LE274R | 46 25 30 | 39 41 17 | .2 | .15 | .15 | .05 | 50 | N | N | N | 10 |
| 78LE338R | 46 39 37 | 39 23 7 | 10.0 | 3.00 | 10.00 | 1.00 | 1,000 | 30.0 | N | N | 10 |
| 78LE339R | 46 43 4 | 39 23 4 | 7.0 | .70 | .20 | .50 | 700 | N | N | N | 100 |
| 78LE438R | 46 38 7 | 39 50 42 | 2.0 | .30 | .07 | .15 | 300 | N | N | N | 50 |
| 78LE458R | 46 39 46 | 39 49 32 | 10.0 | .70 | 1.50 | 1.00 | 700 | N | N | N | 10 |
| 78LE459R | 46 26 2 | 39 50 54 | 1.0 | .30 | .15 | .10 | 150 | N | N | N | <10 |
| 78LE465R | 46 25 11 | 39 56 53 | 1.5 | .50 | .20 | .10 | 150 | N | N | N | <10 |
| 78LE466R | 46 24 19 | 39 56 48 | 1.5 | .50 | .20 | .30 | 300 | N | N | N | <10 |
| 78LE467R | 46 23 29 | 39 56 44 | 5.0 | .70 | 1.50 | .30 | 500 | N | N | N | 10 |
| 78LE468R | 46 20 8 | 39 55 15 | 1.5 | .30 | .70 | .15 | 150 | N | N | N | 10 |
| 78LE469R | 46 27 9 | 39 48 51 | 10.0 | 5.00 | 10.00 | .70 | 1,000 | N | N | N | N |
| 78LE470R | 46 40 5 | 39 41 25 | 10.0 | 2.00 | 5.00 | 1.00 | 1,000 | N | N | N | 30 |
| 78LE471R | 46 49 8 | 39 42 8 | 7.0 | 1.00 | 1.00 | 1.00 | 700 | N | N | N | 20 |
| 78LE472R | 46 49 4 | 39 42 43 | 5.0 | .70 | 2.00 | .70 | 500 | N | N | N | 70 |
| 78LE473R | 46 48 59 | 39 43 27 | 5.0 | 1.00 | .70 | 1.00 | 700 | N | N | N | 70 |
| 78LE474R | 46 19 33 | 39 11 15 | 3.0 | .50 | .70 | .30 | 500 | N | N | N | N |
| 78LE475R | 46 22 39 | 39 6 23 | 7.0 | 1.00 | 1.50 | .70 | 500 | N | N | N | N |
| 78LE476R | 46 26 30 | 39 0 35 | 7.0 | 1.50 | 2.00 | .70 | 700 | N | N | N | N |
| 78LE477R | 46 13 9 | 38 25 45 | >20.0 | .15 | .30 | .05 | 300 | N | N | N | 70 |
| 78LE478R | 46 3 29 | 38 20 23 | 10.0 | 1.00 | .20 | .30 | 5,000 | N | N | N | 70 |
| 78LE479R | 46 9 30 | 38 17 6 | 7.0 | 5.00 | 5.00 | .30 | 1,000 | N | N | N | 100 |
| 78LE480R | 46 7 3 | 38 20 6 | 7.0 | 3.00 | 5.00 | .70 | 1,000 | N | N | N | 20 |
| 78LE481R | 46 49 8 | 39 47 17 | 5.0 | 2.00 | 2.00 | >1.00 | 1,000 | N | N | N | 100 |
| 78LE482R | 46 47 26 | 39 51 5 | 3.0 | .30 | 1.00 | 1.00 | 300 | N | N | N | 150 |
| 78LE483R | 46 40 45 | 39 2 43 | 10.0 | 2.00 | 7.00 | >1.00 | 1,000 | N | N | N | 150 |
| 78LE484R | 46 45 35 | 39 3 24 | 10.0 | 1.00 | 1.50 | >1.00 | 1,500 | 100.0 | N | N | 1,000 |
| 78LE485R | 46 48 32 | 39 6 6 | 7.0 | .50 | 1.00 | >1.00 | 1,500 | N | N | N | 70 |
| 78LE486R | 46 43 34 | 38 28 53 | 7.0 | 2.00 | .30 | .50 | 700 | N | N | N | 100 |
| 78LE487R | 46 37 37 | 38 21 44 | 7.0 | 7.00 | 10.00 | .50 | 1,000 | N | N | N | <10 |
| 78LE488R | 46 39 4 | 38 26 1 | 3.0 | .30 | .07 | .50 | 70 | 2.0 | N | N | 100 |
| 78LE489R | 46 42 55 | 38 15 45 | 3.0 | 1.50 | 1.00 | .50 | 500 | N | N | N | 20 |

OUTCROP SAMPLES--continued

| Sample | Ua | Be | Bi | Cd | Co | Cr | Cu | La | Mo | Nb | Ni |
|----------|-------|------|----|----|-----|-------|---------|-----|-----|-----|-----|
| 78aL056R | 700 | <1.0 | N | N | 20 | 50 | 150 | 30 | N | N | 20 |
| 78aL060R | 1,000 | 2.0 | N | N | N | <10 | 15 | 150 | 7 | <20 | <5 |
| 78aL063R | 500 | 2.0 | N | N | <5 | <10 | 15 | 150 | N | 20 | <5 |
| 78aL064R | 2,000 | 2.0 | N | N | N | <10 | 15 | 70 | N | 20 | <5 |
| 78aL068R | 500 | 1.5 | N | N | <5 | <10 | 20 | 70 | N | <20 | <5 |
| 78aL092R | 700 | <1.0 | N | N | 30 | <10 | 20 | 70 | N | N | N |
| 78aL157R | 500 | <1.0 | N | N | 10 | 50 | 500 | 50 | N | N | 30 |
| 78aL004R | 700 | <1.0 | N | N | 50 | 200 | 70 | 50 | N | <20 | 70 |
| 78aL025R | 300 | 1.5 | N | N | <5 | <10 | <5 | 50 | N | <20 | 5 |
| 78aL027R | 50 | 1.5 | N | N | N | N | N | 50 | N | 20 | <5 |
| 78aL034R | 100 | N | N | N | 50 | 300 | >20,000 | <20 | N | N | 200 |
| 78aL057R | 1,000 | 2.0 | N | N | <5 | <10 | 50 | 50 | N | 20 | 10 |
| 78aL063R | 300 | 2.0 | N | N | N | N | 20 | 50 | N | 30 | <5 |
| 78aL056R | 1,000 | <1.0 | N | N | 50 | N | 100 | 100 | N | <20 | 5 |
| 78aL063R | 500 | <1.0 | N | N | N | <10 | 5 | 50 | N | N | <5 |
| 78aL005R | 700 | <1.0 | N | N | <5 | <10 | N | 20 | N | N | 5 |
| 78aL066R | 700 | <1.0 | N | N | 5 | 70 | 200 | 50 | N | N | 30 |
| 78aL067R | 500 | 2.0 | N | N | 30 | 200 | 300 | 50 | N | N | 70 |
| 78aL021R | 500 | 1.0 | N | N | N | <10 | 50 | 70 | N | N | <5 |
| 78aL034R | 150 | N | N | N | 150 | 500 | 500 | N | N | N | 300 |
| 78aL056R | 700 | <1.0 | N | N | 70 | 200 | 200 | 50 | N | N | 100 |
| 78aL010R | 300 | <1.0 | N | N | 20 | 300 | <5 | 50 | N | N | 50 |
| 78aL011R | 300 | <1.0 | N | N | 20 | 100 | 30 | 50 | N | N | 50 |
| 78aL012R | 500 | <1.0 | N | N | 20 | 100 | 30 | 50 | N | <20 | 50 |
| 78aL011R | 500 | 2.0 | N | N | 7 | <10 | 15 | 70 | 150 | N | 5 |
| 78aL077R | 300 | 1.0 | N | N | 30 | 300 | 70 | 50 | N | N | 100 |
| 78aL078R | 300 | N | N | N | 100 | 50 | 70 | <20 | N | N | 70 |
| 78aL037R | 70 | <1.0 | N | N | 5 | 15 | 7 | N | N | N | N |
| 78aL093R | 1,000 | N | N | N | 5 | 100 | 50 | 30 | N | N | 20 |
| 78aL012R | 500 | N | N | N | 100 | 300 | 15 | 20 | N | N | 200 |
| 78aL012R | 500 | N | N | N | 70 | 150 | 70 | 20 | N | N | 70 |
| 78aL063R | 700 | <1.0 | N | N | 20 | 100 | 50 | 30 | N | <20 | 50 |
| 78aL068R | 700 | <1.0 | N | N | 7 | 70 | 30 | 50 | N | N | 15 |
| 78aL020R | 100 | N | N | N | 30 | 300 | 100 | <20 | N | N | 100 |
| 78aL021R | 700 | N | N | N | 20 | 500 | >20,000 | N | N | N | 70 |
| 78aL042R | 1,000 | <1.0 | N | N | 10 | 100 | 150 | 100 | N | 20 | 15 |
| 78aL044R | 700 | 1.5 | N | N | 50 | 300 | 50 | <20 | N | <20 | 70 |
| 78aL029R | 1,500 | N | N | N | 70 | 2,000 | 70 | N | N | <20 | 300 |
| 78aL041R | 200 | 1.5 | N | N | <5 | 150 | 10 | 50 | 700 | <20 | 15 |
| 78aL031R | 200 | 1.5 | N | N | 10 | 20 | 10 | 50 | N | N | 70 |

OUTCROP SAMPLES---Continued

| Sample | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr |
|-----------|-----|----|----|-----|------|-------|---|-----|------|-------|
| 78BE056R | 15 | N | 10 | N | 300 | 150 | N | 20 | N | 100 |
| 78BE060P | 100 | N | <5 | <10 | <100 | 20 | N | 50 | N | 150 |
| 78BE063R | 15 | N | N | 10 | N | 100 | N | 70 | <200 | 700 |
| 78BE066P | 30 | N | 5 | N | 150 | 20 | N | 100 | N | 700 |
| 78BE069R | 30 | N | 5 | N | N | 30 | N | 30 | N | 150 |
| 78BE075R | 20 | N | 20 | N | 300 | 50 | N | 70 | N | 300 |
| 78BE157R | 20 | N | 10 | N | <100 | 100 | N | 30 | N | 200 |
| 78BA004R | 20 | N | 20 | N | 200 | 150 | N | 20 | <200 | 150 |
| 78BE025P | 70 | N | 5 | 20 | N | 20 | N | 30 | N | 100 |
| 78BA027R | 30 | N | <5 | N | N | 15 | N | 20 | N | 20 |
| 78BE038R | <10 | N | 20 | N | 700 | 200 | N | 30 | N | 100 |
| 78BE053P | 50 | N | 15 | N | N | 30 | N | 100 | N | 700 |
| 78BE0743R | 30 | N | <5 | N | N | 30 | N | 70 | <200 | 1,000 |
| 78BE0753R | 50 | N | 30 | N | 150 | 200 | N | 70 | N | 700 |
| 78BA003R | 70 | N | <5 | N | 150 | 20 | N | 10 | N | 100 |
| 78BA005R | 20 | N | <5 | N | 200 | 20 | N | N | N | 100 |
| 78BA006R | 50 | N | 7 | N | 200 | 50 | N | <10 | N | 100 |
| 78BA007R | 30 | N | 15 | N | 200 | 100 | N | 15 | 500 | 100 |
| 78BA021R | 70 | N | <5 | N | 150 | 20 | N | <10 | N | 100 |
| 78JA038R | N | N | 30 | N | N | 200 | N | 20 | N | 50 |
| 78AP006R | <10 | N | 20 | N | 300 | 200 | N | 50 | N | 150 |
| 78AP016P | 20 | N | 20 | N | <100 | 200 | N | 30 | N | 150 |
| 78AP011R | 15 | N | 15 | N | 100 | 150 | N | 30 | N | 200 |
| 78AP012R | 20 | N | 15 | N | 100 | 150 | N | 30 | N | 300 |
| 78AT011R | 70 | N | 7 | N | 100 | 50 | N | 20 | N | 150 |
| 78AT077R | 30 | N | 20 | N | 500 | 150 | N | 30 | N | 300 |
| 78AT012R | 15 | N | 20 | N | 150 | 200 | N | 30 | N | 150 |
| 79CF032F | N | N | N | N | N | 30 | N | 20 | N | 20 |
| 79CF093R | 30 | N | 20 | N | N | 200 | N | 50 | N | 100 |
| 79CF121P | N | N | 15 | N | 200 | 70 | N | 10 | N | 30 |
| 79CF124R | 10 | N | 30 | N | 500 | 200 | N | 30 | N | 50 |
| 79CF006R | 20 | N | 15 | N | 100 | 200 | N | 30 | N | 300 |
| 79CF009R | 20 | N | 10 | N | <100 | 200 | N | 30 | N | 300 |
| 79CR020R | 15 | N | 30 | N | 500 | 200 | N | 30 | N | 50 |
| 79CR021P | 30 | N | 30 | N | N | 150 | N | 30 | N | 50 |
| 79CR042R | 20 | N | 20 | N | N | 200 | N | 70 | N | 500 |
| 79HE004P | 15 | N | 20 | N | N | 150 | N | 15 | N | 200 |
| 79HE029R | <10 | N | 30 | N | 300 | 150 | N | 15 | N | 30 |
| 79HE041P | 30 | N | 10 | N | <100 | 5,000 | N | 70 | N | 150 |
| 79HE001R | <10 | N | 10 | N | 300 | 70 | N | <10 | N | 70 |

OUTCROP SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mn % | Ca % | Ti % | Mn | Ag | As | Au | B |
|----------|----------|-----------|------|------|------|-------|-------|-----|----|----|-----|
| 79KU052R | 46 49 44 | 88 20 24 | .3 | .20 | <.05 | .02 | 70 | N | N | N | 30 |
| 79NIC02R | 46 42 57 | 88 10 38 | 2.0 | 1.50 | 2.00 | .20 | 500 | N | N | N | 50 |
| 79MI03R | 46 42 9 | 88 10 0 | 3.0 | 1.00 | 2.00 | .30 | 300 | N | N | N | 150 |
| 79MI014R | 46 41 6 | 88 12 58 | 15.0 | 3.00 | 7.00 | >1.00 | 1,500 | N | N | N | 10 |
| 79MI016R | 46 39 14 | 88 9 5 | 1.5 | .50 | 1.50 | .15 | 200 | N | N | N | 100 |
| 79MI021R | 46 41 30 | 88 6 32 | 10.0 | 3.00 | 3.00 | .50 | 1,500 | N | N | N | <10 |
| 79MI022R | 46 41 47 | 88 5 19 | 1.5 | .70 | 2.00 | .15 | 300 | N | N | N | 10 |
| 79MI023R | 46 41 25 | 88 4 31 | 1.0 | .70 | 1.00 | .15 | 300 | N | N | N | 70 |
| 79MI040R | 46 39 9 | 88 8 3 | 3.0 | 1.50 | 1.00 | .30 | 500 | N | N | N | 10 |
| 79MI042R | 46 37 59 | 88 0 10 | 2.0 | .70 | .70 | .15 | 300 | N | N | N | 100 |
| 79MI050R | 46 33 25 | 88 8 9 | 2.0 | 1.50 | 1.00 | .02 | 700 | N | N | N | 30 |
| 79MI052R | 46 36 18 | 88 1 7 | 3.0 | 1.00 | 1.50 | .30 | 500 | N | N | N | 30 |
| 79MI064R | 46 37 15 | 88 7 48 | 7.0 | 3.00 | 7.00 | .70 | 1,500 | N | N | N | <10 |
| 79MI067R | 46 35 27 | 88 3 30 | 2.0 | 1.50 | 1.50 | .15 | 1,000 | N | N | N | 100 |
| 79MI212R | 46 31 17 | 88 5 50 | 3.0 | 1.00 | 1.00 | .50 | 500 | N | N | N | 70 |
| 79ML019R | 46 16 46 | 88 23 6 | 5.0 | 5.00 | 3.00 | 1.00 | 700 | N | N | N | N |
| 79MI051R | 46 24 41 | 88 27 8 | 3.0 | 1.00 | .30 | .30 | 300 | N | N | N | 20 |
| 79PI039R | 46 58 51 | 88 44 2 | 10.0 | 5.00 | 7.00 | >1.00 | 1,500 | N | N | N | 200 |
| 79SA002R | 46 4 21 | 88 4 20 | .5 | 1.00 | 5.00 | .10 | 50 | N | N | N | 30 |
| 79SA019P | 46 1 54 | 88 3 33 | .2 | .03 | .05 | .02 | 30 | N | N | N | 10 |
| 79SA025R | 46 1 25 | 88 4 33 | .2 | .10 | .50 | .01 | 50 | N | N | N | 200 |
| 79SA030R | 46 6 47 | 88 12 37 | 3.0 | 1.00 | .50 | 1.00 | 300 | N | N | N | 200 |
| 79SA120R | 46 1 22 | 88 10 59 | 3.0 | 2.00 | 2.00 | 1.00 | 700 | N | N | N | 200 |
| 79SB055R | 46 33 3 | 88 36 18 | 10.0 | 2.00 | 5.00 | >1.00 | 1,000 | N | N | N | 10 |
| 79SD091R | 46 32 15 | 88 31 58 | 2.0 | .70 | 1.50 | .50 | 500 | N | N | N | 50 |
| 79SD100R | 46 31 35 | 88 30 32 | 5.0 | 1.00 | 5.00 | .70 | 700 | N | N | N | 150 |
| 79SK017R | 46 51 12 | 88 1 6 | 2.0 | .50 | 1.50 | .30 | 500 | N | N | N | 70 |
| 79SK020R | 46 53 48 | 88 0 48 | 5.0 | 1.00 | .20 | .30 | 700 | N | N | N | 150 |
| 79SK029R | 46 48 42 | 88 0 8 | .7 | .30 | .07 | .20 | 200 | N | N | N | 50 |
| 79SK062R | 46 48 12 | 88 2 58 | 3.0 | 1.50 | .07 | .70 | 300 | 1.5 | N | N | 100 |
| 79WI001R | 46 47 54 | 88 59 56 | 3.0 | 5.00 | 2.00 | .70 | 1,000 | N | N | N | 100 |

OUTCROP SAMPLES--continued

| Sample | 3a | Be | Bi | Cd | Co | Cr | Cu | La | Mo | Nb | Ni |
|-----------|-------|------|----|----|----|-----|-----|-----|-----|-----|-----|
| 79XW052R | 300 | <1.0 | N | N | 4 | 10 | 15 | 20 | N | N | 5 |
| 79XW1007R | 700 | 1.0 | N | N | 7 | 100 | 20 | 30 | N | <20 | 50 |
| 79XW1007R | 1,000 | <1.0 | N | N | 10 | 20 | 10 | <20 | N | <20 | 20 |
| 79XW1014R | 300 | <1.0 | N | N | 70 | 300 | 200 | N | N | <20 | 100 |
| 79XW1016R | 700 | 1.0 | N | N | 5 | <10 | 10 | N | N | <20 | 10 |
| 79XW1021R | 150 | <1.0 | N | N | 30 | 150 | 150 | <20 | N | <20 | 50 |
| 79XW1022R | 500 | 1.0 | N | N | 5 | <10 | 15 | 20 | N | N | <5 |
| 79XW1023R | 700 | 1.0 | N | N | 5 | <10 | 7 | 30 | N | N | 20 |
| 79XW1040R | 150 | 1.0 | N | N | 15 | 15 | <5 | 50 | N | <20 | 30 |
| 79XW1042R | 300 | 1.0 | N | N | 7 | 30 | <5 | <20 | N | N | 15 |
| 79XW1050R | 70 | 1.5 | N | N | 15 | <10 | <5 | <20 | N | <20 | 30 |
| 79XW1054R | 700 | 1.0 | N | N | 15 | 70 | 50 | <20 | N | <20 | 20 |
| 79XW1066R | 70 | N | N | N | 30 | 300 | 30 | N | N | <20 | 100 |
| 79XW1067R | 150 | 1.5 | N | N | 7 | 15 | <5 | 20 | N | <20 | 20 |
| 79XW1212R | 700 | 1.5 | N | N | 15 | 300 | 50 | 20 | N | <20 | 50 |
| 79XW1019R | 300 | N | N | N | 70 | 700 | 20 | N | N | N | 200 |
| 79XW1051R | 500 | N | N | N | 7 | 200 | 20 | 50 | N | N | 30 |
| 79XW1039R | 50 | N | N | N | 50 | 200 | 100 | 20 | N | N | 150 |
| 79XW1042R | 500 | <1.0 | N | N | N | 15 | 5 | <20 | N | N | N |
| 79XW1043R | 50 | 20.0 | N | N | <5 | 10 | 20 | <20 | N | <20 | <5 |
| 79SA025R | 200 | <1.0 | N | N | N | N | <5 | N | N | 70 | N |
| 79SA050R | 500 | 1.0 | N | N | 15 | 200 | 10 | 30 | N | N | 70 |
| 79SA120R | 1,000 | <1.0 | N | N | 15 | 150 | 20 | 30 | N | 20 | 70 |
| 79SB0085R | 500 | N | N | N | 70 | 150 | 300 | 20 | N | N | 70 |
| 79SB0091R | 700 | N | N | N | 10 | 150 | 10 | 30 | N | N | 20 |
| 79SB100R | 1,000 | <1.0 | N | N | 20 | 200 | 150 | 30 | N | N | 100 |
| 79SK017R | 300 | 1.5 | N | N | 10 | 20 | 20 | 20 | N | <20 | 15 |
| 79SK120R | 700 | 1.5 | N | N | 7 | 50 | 15 | 30 | N | <20 | 10 |
| 79SK029R | 700 | 1.5 | N | N | <5 | 10 | 7 | 20 | N | <20 | 7 |
| 79SK062R | 700 | 1.5 | N | N | <5 | 150 | 20 | <20 | 100 | <20 | 15 |
| 79W1001R | 500 | N | N | N | 50 | 150 | 70 | N | N | N | 100 |

OUTCROP SAMPLES--continued

| Sample | Pb | Sb | Sc | Sn | Sr | V | W | Y | Zn | Zr |
|----------|-----|----|----|----|-------|-----|---|-----|----|-----|
| 79KW052R | 20 | N | N | N | N | 10 | N | <10 | N | 50 |
| 79NI041R | 20 | N | 5 | N | 500 | 70 | N | N | N | 30 |
| 79NI037R | 20 | N | 7 | N | 1,000 | 100 | N | N | N | 70 |
| 79NI014R | 10 | N | 20 | N | 150 | 300 | N | 70 | N | 200 |
| 79NI016R | 20 | N | <5 | N | 300 | 30 | N | N | N | 100 |
| 79NI021R | <10 | N | 30 | N | 300 | 300 | N | 50 | N | 70 |
| 79NI022R | 30 | N | <5 | N | 300 | 30 | N | N | N | 100 |
| 79NI023R | 30 | N | N | N | 500 | 20 | N | N | N | 70 |
| 79NI040R | 15 | N | 5 | N | 200 | 70 | N | <10 | N | 100 |
| 79NI042R | 20 | N | 5 | N | 300 | 70 | N | <10 | N | 70 |
| 79NI05PR | <10 | N | N | N | 100 | 50 | N | N | N | 50 |
| 79NI056R | 15 | N | 10 | N | 500 | 70 | N | <10 | N | 50 |
| 79NI066R | 10 | N | 30 | N | 150 | 300 | N | 20 | N | 50 |
| 79NI067R | 15 | N | <5 | N | 100 | 50 | N | <10 | N | 70 |
| 79NI212R | 20 | N | 15 | N | 500 | 150 | N | 20 | N | 200 |
| 79NL019R | N | N | 30 | N | 200 | 200 | N | 20 | N | 30 |
| 79NL031R | 20 | N | 15 | N | 150 | 100 | N | 15 | N | 50 |
| 79PE032R | N | N | 30 | N | 200 | 200 | N | 30 | N | 50 |
| 79SA002R | 10 | N | 5 | N | 200 | 30 | N | <10 | N | 100 |
| 79SA019R | 10 | N | N | N | N | 20 | N | <10 | N | 70 |
| 79SA025R | 50 | N | N | N | 150 | 10 | N | 100 | N | 150 |
| 79SA050R | N | N | 30 | N | 150 | 150 | N | 20 | N | 30 |
| 79SA120R | 15 | N | 20 | N | 500 | 100 | N | 20 | N | 150 |
| 79SD055R | N | N | 30 | N | 200 | 500 | N | 50 | N | 70 |
| 79SD071R | 30 | N | 15 | N | 700 | 150 | N | 20 | N | 100 |
| 79SD190P | 30 | N | 20 | N | 200 | 200 | N | 30 | N | 100 |
| 79SK017R | 30 | N | 5 | N | 200 | 50 | N | <10 | N | 100 |
| 79SK020R | 20 | N | 5 | N | N | 100 | N | 20 | N | 200 |
| 79SK029R | 20 | N | <5 | N | N | 30 | N | 15 | N | 200 |
| 79SK062R | 70 | N | 15 | N | 100 | 700 | N | 30 | N | 200 |
| 79WI071R | N | N | 20 | N | 300 | 200 | N | 20 | N | 30 |

Table 2.--Semi-quantitative spectrographic analyses of B-horizon soil samples from the Iron River 1° x 2° quadrangle, Michigan-Wisconsin

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | ua | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-----|------|----|-------|-----|------|-----|
| 7440023 | 46 26 12 | 89 54 56 | 3.00 | 1.50 | .70 | .50 | 500 | N | 20 | 300.0 | 2.0 | 15.0 | 50 |
| 7440029 | 46 23 5 | 89 54 27 | 5.00 | 1.50 | .50 | .70 | 500 | N | 20 | 300.0 | 1.0 | 7.0 | 50 |
| 7440030 | 46 27 50 | 89 53 52 | 5.00 | 1.50 | .70 | .70 | 500 | N | 30 | 300.0 | 2.0 | 15.0 | 50 |
| 7440031 | 45 27 52 | 89 53 40 | 5.00 | 1.50 | .70 | 1.00 | 700 | <.30 | 50 | 500.0 | 3.0 | 15.0 | 50 |
| 7440032 | 46 27 34 | 89 52 56 | 5.00 | 2.00 | 1.50 | .70 | 700 | N | N | 500.0 | 1.5 | 15.0 | 50 |
| 7440033 | 46 27 23 | 89 52 38 | 3.00 | 1.00 | .70 | .50 | 500 | N | 20 | 300.0 | 3.0 | 15.0 | 30 |
| 7440034 | 46 27 13 | 89 52 20 | 2.00 | .70 | .30 | .50 | 500 | N | 30 | 300.0 | 2.0 | 15.0 | 30 |
| 7440035 | 45 27 4 | 89 52 4 | 3.00 | 1.50 | 1.00 | .70 | 500 | N | 30 | 300.0 | 2.0 | 15.0 | 30 |
| 7440036 | 45 26 54 | 89 51 42 | 5.00 | 2.00 | .50 | .70 | 700 | N | 50 | 500.0 | 2.0 | 30.0 | 50 |
| 7440037 | 46 26 47 | 89 51 22 | 5.00 | 2.00 | .70 | .70 | 500 | N | 50 | 500.0 | 2.0 | 20.0 | 50 |
| 7440038 | 46 26 36 | 89 51 9 | 3.00 | 1.50 | .70 | .70 | 700 | N | 30 | 300.0 | 1.5 | 15.0 | 30 |
| 7440039 | 45 26 25 | 89 50 50 | 5.00 | 1.50 | .50 | .50 | 500 | N | 30 | 200.0 | 2.0 | 10.0 | 30 |
| 7440040 | 46 26 20 | 89 50 30 | 7.00 | 2.00 | .70 | .70 | 700 | N | 30 | 300.0 | 2.0 | 15.0 | 50 |
| 7440041 | 45 26 9 | 89 50 17 | 5.00 | 1.50 | .70 | .70 | 500 | N | 50 | 300.0 | 2.0 | 15.0 | 30 |
| 7440042 | 46 25 58 | 89 49 57 | 3.00 | 1.00 | .70 | .70 | 700 | <.30 | 20 | 200.0 | 2.0 | 15.0 | 30 |
| 7440043 | 46 25 46 | 89 49 36 | 7.00 | 1.50 | 1.00 | .50 | 500 | N | N | 300.0 | 2.0 | 15.0 | 50 |
| 7440044 | 46 25 37 | 89 49 20 | 7.00 | 1.50 | 1.50 | .70 | 700 | N | 30 | 300.0 | 3.0 | 15.0 | 50 |
| 7440045 | 46 26 24 | 89 50 22 | 3.00 | 1.50 | .70 | .50 | 300 | N | 30 | 500.0 | 2.0 | 15.0 | 50 |
| 7440047 | 46 26 25 | 89 49 54 | 5.00 | 2.00 | 2.00 | 1.00 | 700 | N | 30 | 700.0 | 2.0 | 30.0 | 70 |
| 7440048 | 46 26 25 | 89 49 36 | 3.00 | 1.50 | 1.00 | .70 | 300 | N | 30 | 500.0 | 1.0 | 15.0 | 70 |
| 7440049 | 45 26 43 | 89 49 24 | 3.00 | 1.50 | 1.00 | .70 | 300 | N | 20 | 300.0 | <.7 | 10.0 | 50 |
| 7440050 | 46 26 57 | 89 49 34 | 5.00 | 2.00 | 1.00 | >1.50 | 500 | N | 30 | 300.0 | 2.0 | 15.0 | 30 |
| 7440051 | 45 27 5 | 89 49 49 | 3.00 | 1.50 | 1.00 | .70 | 300 | N | 30 | 300.0 | 1.5 | 15.0 | 50 |
| 7440052 | 45 27 12 | 89 50 8 | 5.00 | 1.50 | .70 | 1.00 | 500 | N | 20 | 200.0 | 1.5 | 15.0 | 30 |
| 7440053 | 45 26 57 | 89 52 15 | 5.00 | 1.50 | .70 | 1.00 | 500 | N | 30 | 300.0 | 2.0 | 15.0 | 50 |
| 7440051 | 46 27 42 | 89 57 53 | 7.00 | 1.00 | 1.00 | .70 | 700 | N | 30 | 300.0 | 3.0 | 15.0 | 50 |
| 7440052 | 46 27 39 | 89 50 31 | 5.00 | 1.50 | 1.00 | .50 | 500 | N | 20 | 300.0 | 2.0 | 15.0 | 50 |
| 7440053 | 46 27 47 | 89 50 52 | 3.00 | 1.50 | 1.00 | .70 | 700 | N | 20 | 300.0 | 2.0 | 15.0 | 50 |
| 7440054 | 46 26 30 | 89 49 7 | 3.00 | 1.00 | 1.00 | .70 | 700 | N | 30 | 300.0 | 2.0 | 15.0 | 50 |
| 7440055 | 46 26 20 | 89 48 48 | 5.00 | 1.00 | 1.00 | .50 | 500 | N | 20 | 300.0 | 1.0 | 15.0 | 50 |
| 7440056 | 46 26 1 | 89 48 74 | 3.00 | 1.00 | .70 | .50 | 500 | N | 20 | 500.0 | 1.0 | 15.0 | 50 |
| 7440057 | 46 25 53 | 89 48 23 | 3.00 | 1.50 | .70 | .50 | 700 | N | 20 | 300.0 | 1.0 | 15.0 | 50 |
| 7440058 | 46 25 41 | 89 48 23 | 7.00 | 1.50 | 1.00 | .70 | 700 | N | 20 | 500.0 | 1.0 | 15.0 | 50 |
| 7440059 | 46 25 23 | 89 48 15 | 5.00 | 1.00 | 1.00 | .50 | 500 | N | 20 | 200.0 | 1.0 | 15.0 | 50 |
| 7440060 | 46 25 8 | 89 48 14 | 3.00 | 1.00 | 1.00 | .30 | 500 | N | 20 | 300.0 | 1.0 | 15.0 | 50 |
| 7440061 | 45 27 26 | 89 50 23 | 7.00 | 1.50 | 1.00 | 1.00 | 500 | <.30 | N | 300.0 | 2.0 | 15.0 | 50 |
| 7440062 | 46 25 23 | 89 48 42 | 7.00 | 1.00 | 1.00 | 1.00 | 700 | N | 30 | 500.0 | 2.0 | 15.0 | 50 |
| 7440063 | 46 25 13 | 89 48 24 | 7.00 | 1.00 | 1.50 | 1.00 | 500 | N | 70 | 500.0 | 1.5 | 15.0 | 100 |
| 7440064 | 46 26 50 | 89 47 36 | 7.00 | 1.00 | 1.00 | .70 | 500 | N | 50 | 500.0 | 2.0 | 15.0 | 50 |
| 7440065 | 46 24 32 | 89 47 6 | 5.00 | 1.00 | 1.50 | .70 | 500 | N | 30 | 500.0 | 2.0 | 15.0 | 50 |

0-HORIZON SOIL SAMPLES --continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|----|------|----|------|----|----|-----|----|-----|
| 74WB028 | 30.0 | N | <3.0 | N | 20.0 | 10 | 15.0 | N | N | 150 | 20 | 300 |
| 74WB029 | 30.0 | N | N | N | 20.0 | 15 | 10.0 | N | N | 100 | 15 | 500 |
| 74WB030 | 50.0 | 30 | N | N | 30.0 | 10 | 15.0 | N | N | 150 | 20 | 500 |
| 74WB031 | 50.0 | N | N | N | 50.0 | 15 | 20.0 | N | N | 150 | 30 | 700 |
| 74WB032 | 50.0 | N | N | N | 30.0 | 10 | 15.0 | N | N | 150 | 30 | 500 |
| 74WB033 | 30.0 | 20 | N | N | 30.0 | 10 | 15.0 | N | N | 150 | 30 | 300 |
| 74WB034 | 20.0 | N | N | N | 15.0 | 20 | 15.0 | N | N | 150 | 15 | 300 |
| 74WB035 | 50.0 | N | N | N | 50.0 | N | 15.0 | N | N | 150 | 20 | 300 |
| 74WB036 | 50.0 | 20 | N | N | 50.0 | 10 | 30.0 | N | N | 200 | 30 | 500 |
| 74WB037 | 50.0 | 30 | N | N | 50.0 | 30 | 30.0 | N | N | 200 | 30 | 500 |
| 74WB038 | 30.0 | N | N | N | 30.0 | 15 | 15.0 | N | N | 150 | 30 | 300 |
| 74WB039 | 30.0 | 30 | N | N | 20.0 | 15 | 15.0 | N | N | 150 | 20 | 200 |
| 74WB040 | 50.0 | N | N | N | 30.0 | 30 | 20.0 | N | N | 200 | 30 | 700 |
| 74WB041 | 30.0 | N | N | N | 30.0 | 10 | 15.0 | N | N | 150 | 30 | 500 |
| 74WB042 | 30.0 | N | N | N | 20.0 | 15 | 10.0 | N | N | 150 | 30 | 500 |
| 74WB043 | 70.0 | 30 | N | N | 70.0 | 10 | 15.0 | N | N | 150 | 30 | 300 |
| 74WB044 | 50.0 | 30 | N | N | 70.0 | 15 | 20.0 | N | N | 150 | 30 | 700 |
| 74WB046 | 30.0 | 20 | N | N | 20.0 | 15 | 15.0 | N | N | 150 | 30 | 500 |
| 74WB047 | 50.0 | 30 | N | N | 30.0 | 20 | 20.0 | N | N | 150 | 50 | 300 |
| 74WB048 | 30.0 | N | N | N | 20.0 | 15 | 15.0 | N | N | 150 | 30 | 300 |
| 74WB049 | 30.0 | N | N | N | 20.0 | 10 | 15.0 | N | N | 150 | 20 | 300 |
| 74WB050 | 50.0 | 20 | N | N | 30.0 | 10 | 15.0 | N | N | 150 | 30 | 700 |
| 74WB051 | 30.0 | N | N | N | 30.0 | N | 15.0 | N | N | 150 | 20 | 500 |
| 74WB052 | 30.0 | 20 | N | N | 30.0 | 15 | 15.0 | N | N | 150 | 30 | 500 |
| 74WB060 | 30.0 | N | N | N | 50.0 | 15 | 15.0 | N | N | 150 | 30 | 500 |
| 74WB061 | 50.0 | N | N | N | 30.0 | 20 | 10.0 | N | N | 150 | 30 | 500 |
| 74WB062 | 30.0 | N | N | N | 30.0 | 10 | 10.0 | N | N | 150 | 30 | 500 |
| 74WB063 | 50.0 | N | N | N | 50.0 | 10 | 10.0 | N | N | 150 | 20 | 300 |
| 74WB064 | 50.0 | N | N | N | 50.0 | 30 | 10.0 | N | N | 150 | 30 | 700 |
| 74WB065 | 50.0 | N | N | N | 50.0 | 10 | 10.0 | N | N | 150 | 20 | 300 |
| 74WB066 | 50.0 | N | N | N | 30.0 | 15 | 10.0 | N | N | 150 | 20 | 300 |
| 74WB067 | 30.0 | N | N | N | 30.0 | 15 | 10.0 | N | N | 150 | 20 | 300 |
| 74WB068 | 50.0 | N | N | N | 50.0 | 20 | 15.0 | N | N | 200 | 30 | 500 |
| 74WB069 | 50.0 | N | N | N | 30.0 | 15 | 10.0 | N | N | 150 | 30 | 500 |
| 74WB070 | 30.0 | N | N | N | 30.0 | 10 | 10.0 | N | N | 150 | 15 | 200 |
| 74WB071 | 30.0 | N | N | N | 50.0 | 30 | 15.0 | N | N | 200 | 10 | 700 |
| 74WB074 | 30.0 | N | N | N | 30.0 | 30 | 15.0 | N | N | 200 | 20 | 700 |
| 74WB075 | 50.0 | N | N | N | 20.0 | 30 | 15.0 | N | N | 200 | 30 | 700 |
| 74WB076 | 50.0 | N | N | N | 30.0 | 30 | 15.0 | N | N | 200 | 30 | 700 |
| 74WB077 | 30.0 | N | N | N | 30.0 | 20 | 15.0 | N | N | 150 | 20 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|-------|-------|------|----|-------|-----|------|-----|
| 7400070 | 46 24 17 | 89 46 35 | 5.00 | 1.00 | 1.00 | .70 | 500 | N | 30 | 500.0 | 1.0 | 15.0 | 50 |
| 7400071 | 46 24 3 | 89 46 10 | 7.00 | 1.50 | 1.00 | .70 | 500 | N | 30 | 300.0 | 2.0 | 20.0 | 70 |
| 7400072 | 46 23 45 | 89 45 37 | 5.00 | 2.00 | 1.00 | 1.00 | 700 | N | 50 | 500.0 | 2.0 | 20.0 | 50 |
| 7400073 | 46 23 33 | 89 45 19 | 7.00 | 2.00 | 1.00 | 1.00 | 700 | N | 30 | 500.0 | 2.0 | 20.0 | 70 |
| 7400074 | 46 23 25 | 89 44 37 | 7.00 | 1.50 | 1.00 | .70 | 700 | N | 20 | 500.0 | 1.0 | 15.0 | 70 |
| 7400075 | 46 23 23 | 89 44 1 | 5.00 | 1.00 | .70 | .50 | 300 | N | 30 | 300.0 | 1.0 | 15.0 | 50 |
| 7400076 | 46 23 17 | 89 43 17 | 7.00 | 1.00 | 1.00 | .70 | 500 | N | 30 | 300.0 | 1.5 | 15.0 | 70 |
| 7400077 | 46 23 21 | 89 42 30 | 5.00 | 1.00 | 1.00 | .50 | 700 | N | 30 | 300.0 | 2.0 | 15.0 | 30 |
| 7400078 | 46 26 57 | 89 54 21 | 5.00 | 1.50 | 1.00 | 1.00 | 1,000 | N | 50 | 300.0 | 2.0 | 15.0 | 70 |
| 7400079 | 46 26 56 | 89 54 7 | 7.00 | 1.50 | 1.00 | 1.00 | 700 | <.30 | 50 | 300.0 | 2.0 | 15.0 | 70 |
| 7400080 | 46 26 56 | 89 53 43 | 15.00 | 3.00 | 2.00 | >1.50 | 1,000 | .50 | 50 | 700.0 | 3.0 | 30.0 | 150 |
| 7400081 | 46 27 16 | 89 53 51 | 10.00 | 2.00 | 1.00 | >1.50 | 700 | N | 50 | 300.0 | 2.0 | 15.0 | 70 |
| 7400082 | 46 27 22 | 89 53 29 | 10.00 | 2.00 | 1.50 | 1.00 | 700 | N | 50 | 500.0 | 3.0 | 15.0 | 70 |
| 7400083 | 46 27 32 | 89 53 29 | 7.00 | 3.00 | 1.00 | 1.00 | 700 | N | 50 | 500.0 | 3.0 | 20.0 | 70 |
| 7400084 | 46 27 43 | 89 53 31 | 10.00 | 3.00 | 1.00 | .70 | 700 | N | 30 | 500.0 | 2.0 | 15.0 | 100 |
| 7400085 | 46 23 45 | 89 41 58 | 10.00 | 2.00 | 1.50 | .70 | 700 | N | N | 500.0 | 3.0 | 15.0 | 70 |
| 7400086 | 46 24 9 | 89 41 43 | 7.00 | 2.00 | 1.50 | 1.00 | 700 | N | 50 | 500.0 | 3.0 | 15.0 | 70 |
| 7400087 | 46 24 30 | 89 41 57 | 10.00 | 2.00 | 1.00 | 1.00 | 2,000 | N | 30 | 500.0 | 3.0 | 20.0 | 100 |
| 7400088 | 46 24 35 | 89 42 32 | 10.00 | 3.00 | 2.00 | .50 | 1,000 | N | 50 | 500.0 | 1.5 | 15.0 | 70 |
| 7400089 | 46 24 17 | 89 43 1 | 7.00 | 3.00 | 1.00 | .70 | 500 | N | N | 300.0 | <.7 | 20.0 | 70 |
| 7400090 | 46 24 0 | 89 43 31 | 7.00 | 1.50 | 1.00 | .70 | 500 | N | 50 | 500.0 | 1.0 | 15.0 | 70 |
| 7400091 | 46 23 55 | 89 44 2 | 7.00 | 1.50 | .50 | .70 | 300 | N | 50 | 300.0 | 2.0 | 15.0 | 50 |
| 7400092 | 46 24 0 | 89 44 41 | 7.00 | 1.00 | .50 | .70 | 300 | <.30 | 50 | 500.0 | 2.0 | 15.0 | 50 |
| 7400093 | 46 23 2 | 89 53 20 | 5.00 | 2.00 | 1.50 | .70 | 500 | .50 | 30 | 500.0 | <.7 | 50.0 | 150 |
| 7400094 | 46 23 12 | 89 53 28 | 5.00 | 2.00 | 2.00 | .70 | 700 | N | 30 | 500.0 | 1.0 | 30.0 | 100 |
| 7400095 | 46 26 20 | 89 54 34 | 7.00 | 1.50 | 1.00 | 1.00 | 700 | <.30 | 30 | 300.0 | 1.0 | 15.0 | 70 |
| 7400096 | 46 26 12 | 89 54 41 | 7.00 | 1.50 | 1.50 | 1.00 | 700 | N | 50 | 500.0 | N | 15.0 | 70 |
| 7400097 | 46 25 54 | 89 54 57 | 10.00 | 2.00 | 1.00 | 1.00 | 700 | N | 70 | 300.0 | 1.0 | 30.0 | 150 |
| 7400098 | 46 25 43 | 89 55 0 | 15.00 | 1.50 | 1.00 | 1.00 | 500 | N | 30 | 300.0 | 1.0 | 20.0 | 70 |
| 7400099 | 46 25 32 | 89 55 5 | 7.00 | 1.50 | 2.00 | .70 | 700 | N | 30 | 300.0 | 1.0 | 20.0 | 300 |
| 7400100 | 46 25 39 | 89 55 20 | 7.00 | 1.50 | 1.00 | 1.00 | 500 | N | 70 | 300.0 | 1.0 | 20.0 | 100 |
| 7400101 | 46 25 37 | 89 55 47 | 7.00 | 1.50 | 2.00 | 1.00 | 700 | N | 50 | 300.0 | <.7 | 15.0 | 70 |
| 7400102 | 46 23 8 | 89 43 29 | 5.00 | 2.00 | 1.50 | .70 | 500 | N | 30 | 500.0 | <.7 | 20.0 | 70 |
| 7400103 | 46 22 53 | 89 44 1 | 7.00 | 3.00 | 1.50 | .70 | 700 | .70 | 50 | 500.0 | N | 30.0 | 150 |
| 7400104 | 46 22 49 | 89 44 42 | 7.00 | 2.00 | 1.50 | 1.00 | 1,000 | N | 30 | 500.0 | N | 20.0 | 100 |
| 7400105 | 46 22 47 | 89 45 24 | 5.00 | 1.50 | 1.00 | 1.00 | 700 | N | 50 | 300.0 | N | 20.0 | 70 |
| 7400106 | 46 22 53 | 89 46 1 | 10.00 | 3.00 | 1.50 | >1.50 | 700 | N | 50 | 300.0 | N | 30.0 | 150 |
| 7400107 | 46 22 53 | 89 46 31 | 3.00 | 1.00 | 1.00 | .50 | 500 | N | 20 | 300.0 | 1.0 | 15.0 | 70 |
| 7400108 | 46 23 11 | 89 46 55 | 5.00 | 1.00 | 1.50 | .70 | 700 | .50 | 30 | 300.0 | 1.0 | 15.0 | 70 |
| 7400109 | 46 23 33 | 89 46 59 | 5.00 | 1.50 | 1.50 | .70 | 700 | N | 30 | 300.0 | 1.5 | 15.0 | 50 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Cu | Lu | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|------|----|-------|----|------|----|-----|-----|----|-------|
| 74W0078 | 50.0 | N | N | N | 30.0 | 30 | 15.0 | N | N | 150 | 30 | 500 |
| 74W0079 | 50.0 | N | N | N | 50.0 | 15 | 15.0 | N | N | 150 | 30 | 500 |
| 74W0080 | 50.0 | N | N | N | 50.0 | 20 | 20.0 | N | N | 200 | 30 | 500 |
| 74W0081 | 50.0 | 20 | N | 20 | 50.0 | 20 | 20.0 | N | N | 150 | 30 | 500 |
| 74W0082 | 50.0 | N | N | N | 20.0 | 10 | 15.0 | N | N | 200 | 20 | 300 |
| 74W0083 | 50.0 | N | N | N | 30.0 | 10 | 10.0 | N | N | 150 | 20 | 300 |
| 74W0084 | 50.0 | N | N | N | 30.0 | 10 | 10.0 | N | N | 150 | 20 | 700 |
| 74W0085 | 20.0 | N | N | N | 30.0 | N | 10.0 | N | N | 100 | 10 | 200 |
| 74W0087 | 70.0 | N | N | N | 30.0 | 15 | 15.0 | N | N | 200 | 30 | 700 |
| 74W0088 | 70.0 | N | N | N | 50.0 | 15 | 15.0 | N | N | 300 | 30 | 700 |
| 74W0089 | 150.0 | 50 | 30.0 | N | 100.0 | 20 | 50.0 | N | N | 500 | 50 | 700 |
| 74W0090 | 50.0 | N | N | N | 50.0 | 15 | 20.0 | N | N | 200 | 30 | 1,000 |
| 74W0091 | 50.0 | N | N | N | 30.0 | 15 | 20.0 | N | N | 200 | 30 | 700 |
| 74W0092 | 50.0 | N | N | N | 50.0 | 20 | 15.0 | N | N | 300 | 30 | 700 |
| 74W0093 | 70.0 | N | N | N | 30.0 | 15 | 20.0 | N | N | 300 | 30 | 700 |
| 74W0094 | 100.0 | N | N | N | 30.0 | 15 | 15.0 | N | N | 200 | 20 | 1,000 |
| 74W0095 | 70.0 | N | N | N | 50.0 | 20 | 20.0 | N | N | 200 | 30 | 1,000 |
| 74W0096 | 70.0 | N | N | N | 50.0 | 20 | 15.0 | N | N | 300 | 20 | 700 |
| 74W0097 | 70.0 | N | N | N | 70.0 | 10 | 20.0 | N | N | 200 | 20 | 700 |
| 74W0098 | 100.0 | N | N | N | 30.0 | 10 | 15.0 | N | N | 200 | 20 | 200 |
| 74W0099 | 70.0 | N | N | N | 30.0 | 15 | 15.0 | N | N | 200 | 30 | 500 |
| 74W0100 | 70.0 | N | N | N | 30.0 | 30 | 15.0 | N | N | 200 | 20 | 300 |
| 74W0101 | 50.0 | N | N | N | 20.0 | 15 | 15.0 | N | N | 150 | 30 | 500 |
| 74W0103 | 50.0 | 20 | N | N | 50.0 | 15 | 5.0 | N | 200 | 200 | 20 | 200 |
| 74W0104 | 70.0 | 30 | N | N | 50.0 | 15 | 5.0 | N | 200 | 150 | 30 | 200 |
| 74W0105 | 50.0 | 20 | N | N | 30.0 | 15 | 5.0 | N | 100 | 200 | 20 | 300 |
| 74W0106 | 50.0 | 30 | N | N | 30.0 | 20 | 5.0 | N | 200 | 200 | 30 | 500 |
| 74W0107 | 70.0 | 30 | N | N | 50.0 | 15 | 15.0 | N | 300 | 200 | 30 | 700 |
| 74W0108 | 70.0 | 20 | N | N | 50.0 | 10 | 20.0 | N | <70 | 150 | 20 | 500 |
| 74W0109 | 30.0 | N | N | N | 30.0 | 15 | 15.0 | N | 200 | 200 | 30 | 300 |
| 74W0110 | 50.0 | 20 | N | N | 30.0 | 15 | 15.0 | N | 150 | 150 | 30 | 500 |
| 74W0111 | 50.0 | 30 | N | N | 30.0 | 30 | 20.0 | N | 200 | 150 | 30 | 300 |
| 74W0112 | 50.0 | 30 | N | N | 30.0 | 15 | 15.0 | N | 200 | 150 | 30 | 500 |
| 74W0113 | 70.0 | 20 | N | N | 70.0 | 20 | 20.0 | N | 200 | 150 | 30 | 500 |
| 74W0114 | 50.0 | 20 | N | N | 30.0 | 20 | 20.0 | N | 200 | 150 | 30 | 500 |
| 74W0115 | 50.0 | 30 | N | N | 30.0 | 20 | 15.0 | N | 200 | 200 | 30 | 300 |
| 74W0116 | 70.0 | 30 | N | N | 50.0 | 20 | 20.0 | N | 150 | 200 | 30 | 500 |
| 74W0117 | 30.0 | 20 | N | N | 30.0 | 10 | 15.0 | N | 200 | 150 | 20 | 150 |
| 74W0118 | 50.0 | 20 | N | N | 30.0 | 15 | 15.0 | N | 300 | 200 | 30 | 300 |
| 74W0119 | 50.0 | 20 | N | N | 50.0 | 15 | 15.0 | N | 300 | 200 | 30 | 500 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|-------|-------|------|-----|---------|-----|------|-----|
| 74W0220 | 46 23 58 | 89 47 4 | 5.00 | 1.50 | 1.00 | 1.00 | 700 | N | 20 | 300.0 | 1.5 | 15.0 | 70 |
| 74W0221 | 46 24 16 | 89 47 55 | 5.00 | 1.50 | 2.00 | .70 | 500 | N | 30 | 300.0 | 1.5 | 15.0 | 70 |
| 74W0222 | 46 24 32 | 89 48 2 | 5.00 | 1.50 | 2.00 | .70 | 700 | .70 | 20 | 300.0 | 1.0 | 15.0 | 70 |
| 74W0223 | 46 22 37 | 89 46 58 | 10.00 | 1.50 | 3.00 | 1.00 | 1,500 | N | 30 | 500.0 | 1.0 | 20.0 | 150 |
| 74W0224 | 46 22 6 | 89 47 7 | 10.00 | 5.00 | 5.00 | 1.00 | 1,500 | N | 30 | 300.0 | 1.0 | 50.0 | 200 |
| 74W0225 | 46 21 43 | 89 46 58 | 10.00 | 1.00 | 2.00 | 1.00 | 700 | N | 50 | 500.0 | 1.0 | 15.0 | 200 |
| 74W0226 | 46 21 18 | 89 46 52 | 10.00 | 1.50 | 1.00 | 1.00 | 700 | N | 30 | 500.0 | 1.0 | 15.0 | 200 |
| 74W0227 | 46 19 52 | 89 47 27 | 5.00 | 1.50 | 1.00 | .70 | 700 | N | 30 | 300.0 | 1.0 | 15.0 | 100 |
| 74W0228 | 46 20 13 | 89 47 53 | 5.00 | 1.00 | 2.00 | .70 | 500 | N | 30 | 300.0 | 1.0 | 20.0 | 100 |
| 74W0229 | 46 20 40 | 89 48 23 | 5.00 | 1.00 | 3.00 | 1.00 | 500 | N | 20 | 700.0 | <.7 | 7.0 | 100 |
| 74W0231 | 46 20 48 | 89 49 47 | 7.00 | 1.50 | 1.00 | .70 | 500 | N | 30 | 500.0 | 1.0 | 20.0 | 70 |
| 74W0232 | 46 20 53 | 89 50 25 | 5.00 | 2.00 | 2.00 | 1.00 | 700 | N | 30 | 500.0 | 1.0 | 20.0 | 150 |
| 74W0233 | 46 20 39 | 89 50 52 | 7.00 | 2.00 | 2.00 | 1.00 | 700 | N | 30 | 300.0 | 1.0 | 30.0 | 100 |
| 74W0234 | 46 21 4 | 89 51 17 | 5.00 | 1.00 | 1.50 | .70 | 500 | N | 20 | 300.0 | 1.0 | 15.0 | 70 |
| 74W0235 | 46 20 58 | 89 51 49 | 7.00 | 2.00 | 3.00 | 1.00 | 700 | 2.00 | 30 | 500.0 | 1.0 | 20.0 | 100 |
| 74W0236 | 46 21 29 | 89 47 39 | 7.00 | 2.00 | 3.00 | >1.50 | 500 | N | 30 | 700.0 | 1.0 | 20.0 | 100 |
| 74W0237 | 46 42 23 | 89 58 41 | 7.00 | .50 | 1.00 | >1.50 | 700 | N | 200 | 700.0 | 1.0 | 7.0 | 100 |
| 74W0238 | 46 42 6 | 89 58 28 | 3.00 | .70 | .70 | 1.00 | 500 | N | 150 | 1,000.0 | 1.0 | 10.0 | 150 |
| 74W0239 | 46 41 45 | 89 58 33 | 5.00 | .30 | .50 | >1.50 | 500 | N | 150 | 700.0 | 1.0 | 7.0 | 70 |
| 74W0240 | 46 41 20 | 89 58 24 | 3.00 | .50 | .70 | 1.00 | 700 | N | 150 | 1,000.0 | 1.5 | 10.0 | 150 |
| 74W0241 | 46 41 1 | 89 57 58 | 5.00 | .50 | .70 | >1.50 | 700 | N | 200 | 1,000.0 | 1.5 | 7.0 | 150 |
| 74W0242 | 46 40 37 | 89 57 40 | 5.00 | .50 | .70 | 1.00 | 500 | N | 100 | 1,000.0 | 1.5 | 10.0 | 100 |
| 74W0243 | 46 40 25 | 89 57 11 | 5.00 | .70 | .70 | 1.00 | 1,000 | N | 150 | 1,000.0 | 1.0 | 10.0 | 100 |
| 74W0244 | 46 39 59 | 89 57 5 | 7.00 | 1.00 | .70 | 1.00 | 700 | N | 200 | 1,000.0 | 1.5 | 20.0 | 150 |
| 74W0245 | 46 39 31 | 89 57 5 | 3.00 | .50 | .70 | 1.00 | 700 | N | 100 | 1,000.0 | 1.5 | 7.0 | 150 |
| 74W0246 | 46 39 6 | 89 57 4 | 3.00 | .70 | .70 | >1.50 | 700 | N | 150 | 1,000.0 | 1.5 | 10.0 | 100 |
| 74W0247 | 46 38 40 | 89 57 3 | 5.00 | .50 | .70 | >1.50 | 700 | N | 150 | 1,000.0 | 1.5 | 10.0 | 150 |
| 74W0248 | 46 38 14 | 89 57 3 | 5.00 | .50 | .50 | >1.50 | 500 | N | 100 | 500.0 | 1.5 | 7.0 | 70 |
| 74W0249 | 46 37 47 | 89 57 1 | 7.00 | .70 | .70 | 1.00 | 700 | N | 100 | 1,000.0 | 1.0 | 20.0 | 200 |
| 74W0250 | 46 37 22 | 89 57 13 | 5.00 | .50 | .30 | 1.00 | 500 | N | 100 | 700.0 | 1.5 | 7.0 | 150 |
| 74W0251 | 46 36 53 | 89 57 11 | 5.00 | 1.50 | 1.50 | 1.00 | 1,000 | N | 30 | 1,500.0 | 1.0 | 15.0 | 150 |
| 74W0252 | 46 36 29 | 89 57 0 | 5.00 | .70 | 1.00 | 1.00 | 700 | N | 30 | 700.0 | 1.0 | 10.0 | 100 |
| 74W0253 | 46 36 3 | 89 56 48 | 5.00 | .70 | .70 | .70 | 300 | N | 50 | 700.0 | 1.0 | 10.0 | 100 |
| 74W0254 | 46 35 39 | 89 56 52 | 7.00 | .70 | .70 | 1.00 | 500 | N | 30 | 700.0 | 1.0 | 15.0 | 70 |
| 74W0255 | 46 35 9 | 89 56 52 | 5.00 | 1.00 | 1.50 | >1.50 | 700 | N | 70 | 700.0 | <.7 | 15.0 | 100 |
| 74W0256 | 46 34 42 | 89 56 53 | 5.00 | 1.00 | 1.00 | 1.00 | 500 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 74W0257 | 46 34 22 | 89 56 29 | 5.00 | 1.00 | 1.00 | 1.00 | 500 | N | 50 | 700.0 | <.7 | 15.0 | 70 |
| 74W0258 | 46 33 53 | 89 56 24 | 7.00 | 1.50 | 1.50 | >1.50 | 700 | N | 50 | 700.0 | <.7 | 15.0 | 100 |
| 74W0259 | 46 33 27 | 89 56 22 | 5.00 | 1.50 | 1.50 | 1.00 | 700 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 74W0260 | 46 33 3 | 89 55 54 | 7.00 | 1.00 | 1.00 | 1.00 | 700 | N | 50 | 700.0 | <.7 | 15.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | U _b | Li | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|-----|------|----------------|-------|----|------|----|-----|-----|----|-------|
| 74W0220 | 50.0 | 20 | N | N | 30.0 | 15 | 15.0 | N | 200 | 150 | 30 | 700 |
| 74W0221 | 20.0 | 20 | N | 20 | 20.0 | 15 | 15.0 | N | 300 | 150 | 20 | 200 |
| 74W0222 | 30.0 | <15 | N | N | 50.0 | 15 | 15.0 | N | 300 | 150 | 30 | 300 |
| 74W0223 | 70.0 | 30 | N | N | 50.0 | 30 | 20.0 | N | 300 | 200 | 50 | 1,000 |
| 74W0224 | 100.0 | 30 | N | N | 100.0 | 20 | 30.0 | N | 300 | 300 | 50 | 500 |
| 74W0225 | 30.0 | 30 | N | N | 30.0 | 30 | 15.0 | N | 300 | 200 | 30 | 1,000 |
| 74W0226 | 30.0 | 30 | N | N | 30.0 | 30 | 15.0 | N | 200 | 200 | 30 | 500 |
| 74W0227 | 50.0 | 20 | N | N | 50.0 | 10 | 15.0 | N | 100 | 200 | 30 | 500 |
| 74W0228 | 30.0 | 20 | N | N | 30.0 | 30 | 15.0 | N | 200 | 200 | 20 | 300 |
| 74W0229 | 30.0 | 20 | N | <15 | 20.0 | 15 | 15.0 | N | 300 | 200 | 30 | 700 |
| 74W0231 | 50.0 | 20 | N | N | 30.0 | 50 | 15.0 | N | 200 | 200 | 20 | 300 |
| 74W0232 | 50.0 | 20 | N | N | 30.0 | 15 | 20.0 | N | 200 | 200 | 30 | 700 |
| 74W0233 | 50.0 | 20 | N | 20 | 50.0 | 20 | 20.0 | N | 200 | 200 | 30 | 700 |
| 74W0234 | 50.0 | 20 | N | N | 30.0 | 20 | 15.0 | N | 200 | 200 | 30 | 500 |
| 74W0235 | 30.0 | 20 | N | N | 30.0 | 30 | 20.0 | N | 300 | 200 | 30 | 700 |
| 74W0236 | 50.0 | 20 | N | N | 30.0 | 20 | 20.0 | N | 300 | 200 | 50 | 700 |
| 74W0237 | 50.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 150 | 150 | 20 | 700 |
| 74W0238 | 50.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 150 | 150 | 30 | 500 |
| 74W0239 | 70.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 150 | 150 | 20 | 700 |
| 74W0240 | 70.0 | 50 | N | <15 | 30.0 | 30 | 15.0 | N | 150 | 150 | 30 | 700 |
| 74W0241 | 50.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 150 | 30 | 700 |
| 74W0242 | 50.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 150 | 20 | 500 |
| 74W0243 | 70.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 150 | 30 | 700 |
| 74W0244 | 100.0 | 30 | N | <15 | 50.0 | 30 | 20.0 | N | 150 | 150 | 50 | 700 |
| 74W0245 | 30.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 150 | 150 | 20 | 500 |
| 74W0246 | 70.0 | 20 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 150 | 20 | 700 |
| 74W0247 | 70.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 150 | 150 | 30 | 1,000 |
| 74W0248 | 50.0 | 30 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 200 | 15 | 500 |
| 74W0249 | 100.0 | 30 | N | <15 | 70.0 | 30 | 15.0 | N | 150 | 200 | 30 | 700 |
| 74W0250 | 70.0 | 30 | 10.0 | <15 | 50.0 | 30 | 10.0 | N | 150 | 150 | 30 | 700 |
| 74W0251 | 100.0 | 50 | N | N | 50.0 | 30 | 20.0 | N | 200 | 300 | 70 | 700 |
| 74W0252 | 50.0 | N | N | <15 | 20.0 | 20 | 15.0 | N | 200 | 200 | 50 | 700 |
| 74W0253 | 30.0 | 20 | N | N | 15.0 | 20 | 10.0 | N | 100 | 200 | 30 | 700 |
| 74W0254 | 50.0 | N | N | N | 20.0 | 30 | 15.0 | N | 150 | 300 | 50 | 700 |
| 74W0255 | 50.0 | N | N | N | 20.0 | 20 | 15.0 | N | 200 | 300 | 50 | 1,000 |
| 74W0256 | 50.0 | 20 | N | <15 | 30.0 | 15 | 15.0 | N | 200 | 300 | 50 | 1,000 |
| 74W0257 | 30.0 | 20 | N | N | 30.0 | 20 | 15.0 | N | 200 | 300 | 70 | 700 |
| 74W0258 | 70.0 | 20 | N | N | 50.0 | 15 | 20.0 | N | 100 | 300 | 70 | 1,000 |
| 74W0259 | 70.0 | 20 | N | N | 50.0 | 15 | 20.0 | N | 150 | 300 | 50 | 700 |
| 74W0260 | 70.0 | 20 | N | N | 50.0 | 15 | 30.0 | N | 150 | 300 | 70 | 1,000 |

0-HORI/04 SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Ag % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|-------|-------|----|-----|-------|-----|------|-----|
| 7440201 | 46 32 41 | 89 35 30 | 7.00 | 1.50 | 1.50 | >1.50 | 1,000 | N | 70 | 700.0 | <.7 | 15.0 | 100 |
| 7440202 | 46 32 16 | 89 35 38 | 10.00 | 5.00 | 3.00 | 1.00 | 3,000 | N | 20 | 700.0 | <.7 | 70.0 | 150 |
| 7440203 | 46 31 44 | 89 35 36 | 5.00 | 1.50 | 1.00 | >1.50 | 1,000 | N | 50 | 700.0 | <.7 | 20.0 | 150 |
| 7440204 | 46 31 15 | 89 35 33 | 3.00 | 1.50 | 1.50 | >1.50 | 1,000 | N | 50 | 700.0 | 1.0 | 15.0 | 100 |
| 7440205 | 46 30 44 | 89 36 0 | 5.00 | 1.50 | .70 | 1.00 | 700 | N | 30 | 500.0 | 1.5 | 15.0 | 100 |
| 7440206 | 46 30 23 | 89 36 11 | 5.00 | 1.50 | 1.50 | 1.00 | 1,500 | N | 50 | 700.0 | 1.0 | 15.0 | 70 |
| 7440207 | 46 30 1 | 89 36 23 | 5.00 | 1.50 | 1.00 | 1.00 | 1,000 | N | 50 | 700.0 | 1.0 | 15.0 | 100 |
| 7800001 | 46 44 15 | 89 33 49 | 3.00 | .70 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 7800002 | 46 43 46 | 89 33 50 | 1.50 | .30 | .30 | .50 | 300 | N | 70 | 300.0 | 1.5 | 5.0 | 50 |
| 7800003 | 46 43 19 | 89 33 43 | 3.00 | .50 | .50 | .70 | 300 | N | 150 | 500.0 | 1.0 | 15.0 | 70 |
| 7800004 | 46 42 53 | 89 33 43 | 1.50 | .30 | .50 | .30 | 300 | N | 100 | 500.0 | 1.0 | <3.0 | 50 |
| 7800005 | 46 42 23 | 89 33 50 | 2.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | 1.0 | 7.0 | 70 |
| 7800006 | 46 42 3 | 89 33 51 | 2.00 | .30 | .70 | .70 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 7800007 | 46 41 37 | 89 33 44 | 3.00 | .70 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 7800008 | 46 44 17 | 89 33 19 | 2.00 | .30 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 7800009 | 46 44 15 | 89 32 31 | 3.00 | .50 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 7800010 | 46 44 16 | 89 31 49 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 300.0 | <.7 | 10.0 | 70 |
| 7800011 | 46 44 10 | 89 31 13 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 7800012 | 46 44 12 | 89 30 38 | 1.50 | .30 | .30 | .50 | 300 | N | 100 | 200.0 | <.7 | 5.0 | 50 |
| 7800013 | 46 44 12 | 89 30 4 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 300.0 | <.7 | 10.0 | 70 |
| 7800018 | 46 44 44 | 89 33 4 | 2.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 7.0 | 50 |
| 7800020 | 46 45 3 | 89 33 7 | 3.00 | .50 | .70 | .70 | 300 | N | 100 | 500.0 | 1.0 | 15.0 | 100 |
| 7800021 | 46 45 28 | 89 33 32 | 3.00 | .15 | .20 | .70 | 200 | N | 100 | 500.0 | <.7 | <3.0 | 50 |
| 7800022 | 46 44 34 | 89 34 24 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 7800023 | 46 43 38 | 89 34 19 | 7.00 | .70 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 7800024 | 46 45 13 | 89 28 14 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 7800025 | 46 44 34 | 89 34 24 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 7800026 | 46 45 51 | 89 34 33 | 5.00 | .50 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 7800027 | 46 46 23 | 89 34 25 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 7800028 | 46 47 21 | 89 34 22 | 2.00 | .50 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 7800029 | 46 48 11 | 89 34 1 | 1.50 | .30 | .70 | .50 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 50 |
| 7800030 | 46 49 5 | 89 33 55 | 1.50 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 50 |
| 7800031 | 46 49 49 | 89 33 54 | 3.00 | .30 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 50 |
| 7800032 | 46 37 54 | 89 45 6 | 5.00 | .50 | .70 | 1.00 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 7800033 | 46 38 22 | 89 45 8 | 3.00 | .50 | .70 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 7800034 | 46 38 22 | 89 45 55 | 5.00 | .50 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 7800035 | 46 37 16 | 89 43 44 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 7800036 | 46 37 29 | 89 42 35 | 3.00 | .30 | .50 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 7800037 | 46 38 5 | 89 42 26 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 7800038 | 46 38 57 | 89 43 7 | 3.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |

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B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|----|-----|-------|----|------|----|-----|-----|----|-------|
| 74W0261 | 70.0 | 20 | N | N | 50.0 | 30 | 20.0 | N | 150 | 300 | 50 | 1,000 |
| 74W0262 | 150.0 | N | N | N | 150.0 | 20 | 50.0 | N | 200 | 300 | 30 | 300 |
| 74W0263 | 70.0 | 20 | N | N | 50.0 | 15 | 30.0 | N | 200 | 300 | 50 | 700 |
| 74W0264 | 70.0 | 20 | N | N | 50.0 | 20 | 30.0 | N | 200 | 300 | 50 | 1,000 |
| 74W0265 | 50.0 | 20 | N | N | 30.0 | 15 | 30.0 | N | <70 | 300 | 50 | 700 |
| 74W0266 | 70.0 | N | N | N | 30.0 | 15 | 20.0 | N | 150 | 200 | 50 | 500 |
| 74W0267 | 30.0 | N | N | N | 50.0 | 20 | 20.0 | N | 150 | 300 | 30 | 700 |
| 78W0001 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 78W0002 | 30.0 | 50 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78W0003 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 78W0004 | 20.0 | 50 | N | N | 15.0 | 36 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78W0005 | 30.0 | 50 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78W0006 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 150 | 150 | 30 | 700 |
| 78W0007 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78W0008 | 30.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 150 | 100 | 20 | 300 |
| 78W0009 | 20.0 | 50 | N | <15 | 30.0 | 30 | 7.0 | N | 150 | 100 | 15 | 300 |
| 78W0010 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78W0011 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78W0012 | 20.0 | 70 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78W0013 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78W0018 | 50.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 500 |
| 78W0020 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 150 | 100 | 20 | 300 |
| 78W0021 | 70.0 | 70 | N | <15 | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78W0022 | 70.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78W0023 | 100.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78W0024 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78W0025 | 300.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78W0026 | 50.0 | 70 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78W0027 | 50.0 | 50 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78W0028 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78W0029 | 20.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78W0030 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78W0031 | 20.0 | 30 | N | <15 | 10.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78W0032 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78W0033 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78W0034 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78W0035 | 30.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78W0036 | 30.0 | 30 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78W0037 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78W0038 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |

D-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 734E039 | 46 33 58 | 89 41 32 | 5.00 | .70 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 734E040 | 46 36 43 | 89 42 26 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 734E041 | 46 35 54 | 89 42 4 | 5.00 | .30 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 734E046 | 46 34 57 | 89 41 25 | 5.00 | .50 | .70 | .70 | 700 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 734E047 | 46 33 44 | 89 40 46 | 5.00 | .70 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 734E048 | 46 33 24 | 89 42 30 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 734E049 | 46 34 19 | 89 42 41 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 734E050 | 46 34 29 | 89 38 3 | 5.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 734E051 | 46 35 21 | 89 38 10 | 5.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 5.0 | 70 |
| 734E052 | 46 36 14 | 89 38 6 | 2.00 | .70 | .50 | .50 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 734E053 | 46 37 9 | 89 38 1 | 10.00 | .50 | .30 | 1.00 | 700 | N | 30 | 300.0 | <.7 | 10.0 | 100 |
| 734E054 | 46 37 12 | 89 38 40 | 2.00 | .20 | .30 | .70 | 500 | N | 50 | 500.0 | <.7 | <3.0 | 50 |
| 734E055 | 46 34 50 | 89 37 0 | 7.00 | .30 | .70 | 1.00 | 700 | N | 100 | 500.0 | N | 10.0 | 100 |
| 734E056 | 46 35 19 | 89 35 49 | 5.00 | .50 | .50 | .70 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 734E057 | 46 35 45 | 89 34 33 | 2.00 | .20 | .30 | .50 | 300 | N | 150 | 500.0 | <.7 | N | 30 |
| 734E058 | 46 35 23 | 89 34 27 | 7.00 | .30 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 734E059 | 46 37 16 | 89 34 28 | 5.00 | .30 | .50 | .70 | 300 | N | 30 | 500.0 | N | 5.0 | 50 |
| 734E060 | 46 38 12 | 89 35 17 | 3.00 | .20 | .50 | .70 | 300 | N | 30 | 500.0 | <.7 | 7.0 | 70 |
| 734E061 | 46 38 57 | 89 35 42 | 5.00 | .30 | .70 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 734E062 | 46 39 57 | 89 36 17 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 734E063 | 46 40 17 | 89 37 27 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 734E064 | 46 41 1 | 89 37 31 | 5.00 | .50 | .50 | .70 | 300 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 734E065 | 46 40 35 | 89 38 43 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 734E066 | 46 40 36 | 89 39 59 | 5.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 734E067 | 46 40 32 | 89 41 15 | 3.00 | .50 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 734E068 | 46 40 42 | 89 42 34 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 734E069 | 46 41 4 | 89 43 39 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 734E070 | 46 41 23 | 89 44 50 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 734E071 | 46 42 3 | 89 43 51 | 5.00 | .50 | .30 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 734E072 | 46 42 49 | 89 43 26 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 734E073 | 46 43 3 | 89 42 40 | 2.00 | .20 | .30 | .50 | 200 | N | 100 | 500.0 | <.7 | <3.0 | 70 |
| 734E075 | 46 43 36 | 89 42 1 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 734E076 | 46 43 43 | 89 36 16 | 2.00 | .30 | .30 | .30 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 734E077 | 46 41 20 | 89 35 35 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 734E078 | 46 41 53 | 89 34 56 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 734E079 | 46 42 21 | 89 34 23 | 1.50 | .30 | .50 | .50 | 200 | N | 50 | 500.0 | <.7 | <3.0 | 50 |
| 734E080 | 46 41 48 | 89 32 31 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 300.0 | <.7 | 7.0 | 70 |
| 734E081 | 46 41 38 | 89 31 20 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 734E082 | 46 41 1 | 89 30 45 | 5.00 | .50 | .70 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 734E083 | 46 40 51 | 89 33 33 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 788E039 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 788E040 | 150.0 | 50 | N | <15 | 20.0 | 20 | 15.0 | N | 100 | 150 | 50 | 700 |
| 788E041 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 788E046 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 788E047 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 788E048 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 788E049 | 300.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 788E050 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 788E051 | 50.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | <70 | 150 | 20 | 500 |
| 788E052 | 30.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 150 | 100 | 20 | 200 |
| 788E053 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 300 | 30 | 200 |
| 788E054 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 150 |
| 788E055 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 788E056 | 70.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 788E057 | 20.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 150 |
| 788E058 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 300 | 30 | 300 |
| 788E059 | 30.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 788E060 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 788E061 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 788E062 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 788E063 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 788E064 | 70.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 788E065 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 788E066 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 788E067 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 788E068 | 50.0 | 50 | <3.0 | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 788E069 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 788E070 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 788E071 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 788E072 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 788E073 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 788E075 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 788E076 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 788E077 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 788E078 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 788E079 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 150 | 70 | 20 | 200 |
| 788E080 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 788E081 | 50.0 | 70 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 788E082 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 788E083 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |

sub-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 780E084 | 46 40 41 | 89 34 33 | 5.00 | .30 | .50 | 1.00 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 780E085 | 46 39 57 | 89 33 50 | 5.00 | .30 | .30 | 1.00 | 200 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 780E086 | 46 35 5 | 89 44 41 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E087 | 46 35 2 | 89 44 6 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E088 | 46 33 44 | 89 42 26 | 3.00 | .30 | .70 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 780E089 | 46 33 53 | 89 42 42 | 3.00 | .30 | .50 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E090 | 45 33 57 | 89 43 4 | 5.00 | .30 | .70 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 780E091 | 46 34 9 | 89 43 8 | 3.00 | .30 | .70 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E092 | 46 34 19 | 89 42 57 | 5.00 | .30 | .50 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 780E093 | 46 34 23 | 89 43 9 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E094 | 46 34 19 | 89 42 41 | 3.00 | .30 | .70 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 100 |
| 780E095 | 46 33 45 | 89 43 15 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 780E096 | 46 34 7 | 89 42 28 | 5.00 | .30 | .70 | 1.00 | 300 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 780E097 | 46 33 13 | 89 43 24 | 3.00 | .30 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 780E098 | 46 39 55 | 89 32 29 | 3.00 | .30 | .50 | 1.00 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 780E099 | 46 40 2 | 89 31 34 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 780E100 | 46 39 31 | 89 32 26 | 5.00 | .30 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 780E101 | 46 39 9 | 89 33 16 | 3.00 | .30 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 780E102 | 46 38 19 | 89 33 14 | 3.00 | .30 | .50 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E103 | 46 37 37 | 89 33 5 | 5.00 | .70 | .50 | 1.00 | 1,500 | N | 150 | 500.0 | <.7 | 30.0 | 150 |
| 780E104 | 46 36 25 | 89 32 49 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E105 | 46 37 16 | 89 32 10 | 3.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 780E106 | 46 37 44 | 89 31 18 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 780E107 | 46 38 1 | 89 30 3 | 5.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 780E108 | 46 35 47 | 89 42 32 | 3.00 | .30 | .70 | .70 | 300 | N | 70 | 300.0 | <.7 | 10.0 | 70 |
| 780E109 | 46 35 46 | 89 42 56 | 5.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 20.0 | 70 |
| 780E110 | 46 35 46 | 89 43 18 | 3.00 | .30 | .70 | .70 | 300 | N | 30 | 300.0 | <.7 | 20.0 | 100 |
| 780E111 | 46 35 49 | 89 43 40 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 780E112 | 46 36 4 | 89 43 56 | 2.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E113 | 46 36 18 | 89 43 41 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E114 | 46 36 25 | 89 42 10 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E115 | 46 36 31 | 89 41 38 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 780E116 | 46 36 43 | 89 41 3 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E117 | 46 36 56 | 89 41 12 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 780E118 | 46 37 9 | 89 40 42 | 3.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E119 | 46 36 25 | 89 41 5 | 3.00 | .20 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 780E120 | 46 36 5 | 89 41 3 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 780E121 | 46 35 38 | 89 40 48 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E122 | 46 35 32 | 89 40 6 | 3.00 | .15 | .20 | .50 | 200 | N | 100 | 500.0 | <.7 | <3.0 | 70 |
| 780E123 | 46 37 36 | 89 42 6 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 300.0 | <.7 | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|-----|-----|----|-----|
| 78BE084 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 150 | 20 | 700 |
| 78BE085 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE086 | 50.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | 100 | 100 | 20 | 500 |
| 78BE087 | 50.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE088 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 100 | 20 | 500 |
| 78BE089 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE090 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 150 | 30 | 500 |
| 78BE091 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 100 | 20 | 700 |
| 78BE092 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 100 | 20 | 500 |
| 78BE093 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | 100 | 100 | 30 | 500 |
| 78BE094 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE095 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | 100 | 100 | 20 | 300 |
| 78BE096 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | 100 | 150 | 30 | 500 |
| 78BE097 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 20 | 700 |
| 78BE098 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 100 | 30 | 700 |
| 78BE099 | 30.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | 100 | 100 | 20 | 700 |
| 78BE100 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 20 | 700 |
| 78BE101 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 30 | 700 |
| 78BE102 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | 100 | 100 | 20 | 500 |
| 78BE103 | 50.0 | 30 | N | <15 | 70.0 | 30 | 15.0 | 100 | 150 | 30 | 300 |
| 78BE104 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE105 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 150 | 100 | 30 | 500 |
| 78BE106 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 30 | 700 |
| 78BE107 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE108 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 100 | 20 | 700 |
| 78BE109 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 150 | 150 | 30 | 500 |
| 78BE110 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE111 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 20 | 500 |
| 78BE112 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 150 | 30 | 700 |
| 78BE113 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 30 | 700 |
| 78BE114 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 100 | 20 | 300 |
| 78BE115 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 150 | 20 | 300 |
| 78BE116 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 150 | 30 | 500 |
| 78BE117 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | 100 | 100 | 30 | 300 |
| 78BE118 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | 100 | 100 | 30 | 300 |
| 78BE119 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | 100 | 100 | 20 | 200 |
| 78BE120 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 100 | 20 | 500 |
| 78BE121 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | 100 | 150 | 30 | 700 |
| 78BE122 | 30.0 | 50 | N | <15 | 7.0 | 20 | 7.0 | 100 | 100 | 20 | 500 |
| 78BE123 | 30.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | 100 | 150 | 30 | 700 |

U-HURFON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Hg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 780E124 | 46 37 15 | 89 41 53 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 300.0 | <.7 | 10.0 | 70 |
| 780E125 | 46 37 5 | 89 42 30 | 3.00 | .50 | .70 | .50 | 700 | N | 70 | 300.0 | <.7 | 15.0 | 100 |
| 780E126 | 46 35 24 | 89 41 30 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 300.0 | <.7 | 10.0 | 70 |
| 780E127 | 46 34 29 | 89 41 13 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 780E128 | 46 35 35 | 89 33 9 | 2.00 | .30 | .70 | .70 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 780E129 | 46 35 32 | 89 31 51 | 3.00 | .30 | .50 | 1.00 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 780E130 | 46 35 2 | 89 30 57 | 5.00 | .70 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 780E131 | 46 34 43 | 89 30 4 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 780E132 | 46 34 29 | 89 33 4 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 780E133 | 46 33 42 | 89 33 11 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E134 | 46 33 18 | 89 33 42 | 3.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 780E135 | 46 32 54 | 89 32 58 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E136 | 46 34 26 | 89 34 7 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E137 | 46 34 9 | 89 35 20 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | N | 15.0 | 70 |
| 780E138 | 46 33 19 | 89 35 32 | 3.00 | .30 | .50 | .50 | 700 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 780E139 | 46 32 35 | 89 35 2 | 3.00 | .50 | .70 | .70 | 700 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E140 | 46 31 49 | 89 34 30 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E141 | 46 31 3 | 89 33 47 | 3.00 | .50 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 780E142 | 46 30 14 | 89 33 26 | 5.00 | 3.00 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E143 | 46 30 5 | 89 31 7 | 3.00 | 3.00 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 780E144 | 46 30 53 | 89 30 40 | 5.00 | 3.00 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E145 | 46 31 20 | 89 30 34 | 2.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E146 | 46 32 28 | 89 30 6 | 3.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 780E147 | 46 31 53 | 89 30 43 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 50 |
| 780E148 | 46 34 2 | 89 39 5 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E149 | 46 33 36 | 89 33 6 | 2.00 | .30 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | <3.0 | 50 |
| 780E150 | 46 32 49 | 89 37 31 | 3.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 780E151 | 46 32 32 | 89 38 32 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 70 |
| 780E152 | 46 32 3 | 89 36 56 | 5.00 | .70 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 780E153 | 46 31 16 | 89 36 26 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 780E154 | 46 30 24 | 89 36 21 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 780E155 | 46 44 54 | 89 42 16 | 3.00 | .50 | .70 | .70 | 1,000 | N | 100 | 500.0 | 1.5 | 20.0 | 70 |
| 780E157 | 46 44 35 | 89 43 28 | 5.00 | .30 | .50 | 1.00 | 300 | N | 100 | 500.0 | 1.0 | 15.0 | 70 |
| 780E158 | 46 44 6 | 89 44 30 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 780E200 | 46 33 19 | 89 41 3 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 780E201 | 46 32 56 | 89 41 17 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 780E202 | 46 32 33 | 89 41 25 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 150 |
| 780E203 | 46 32 4 | 89 41 55 | 7.00 | .50 | 1.00 | .70 | 3,000 | N | 50 | 700.0 | <.7 | 70.0 | 200 |
| 780E204 | 46 31 42 | 89 42 4 | 5.00 | .50 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 20.0 | 150 |
| 780E205 | 46 31 18 | 89 42 13 | 3.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78BE124 | 30.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BE125 | 50.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78BE126 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BE127 | 30.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BE128 | 50.0 | 70 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78BE129 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BE130 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78BE131 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BE132 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BE133 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 78BE134 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 78BE135 | 20.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BE136 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78BE137 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78BE138 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BE139 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BE140 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BE141 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78BE142 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BE143 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78BE144 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BE145 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BE146 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BE147 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78BE148 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 200 |
| 78BE149 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78BE150 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78BE151 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78BE152 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 78BE153 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 500 |
| 78BE154 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BE156 | 50.0 | 70 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 150 |
| 78BE157 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BE158 | 50.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78BE200 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 78BE201 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BE202 | 5.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78BE203 | 70.0 | 50 | N | N | 70.0 | 15 | 15.0 | N | 100 | 150 | 30 | 200 |
| 78BE204 | 50.0 | 30 | N | N | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BE205 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|-------|-----|------|-----|
| 78BE206 | 46 30 52 | 89 42 33 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 300 |
| 78BE207 | 46 30 29 | 89 42 46 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78BE208 | 46 31 20 | 89 42 56 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78BE300 | 46 35 40 | 89 31 42 | 5.00 | .50 | 1.50 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 150 |
| 78BE301 | 46 35 46 | 89 31 22 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78BE302 | 46 35 55 | 89 31 12 | 5.00 | 7.00 | .70 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 150 |
| 78BE304 | 46 36 17 | 89 30 54 | 3.00 | 7.00 | .70 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78BE305 | 46 36 23 | 89 30 37 | 5.00 | 7.00 | .70 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 150 |
| 78BE306 | 46 36 35 | 89 30 25 | 5.00 | 7.00 | .30 | >7.00 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 100 |
| 78BE307 | 46 36 45 | 89 30 21 | 3.00 | 3.00 | 1.00 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78BE308 | 46 36 56 | 89 30 4 | 3.00 | 3.00 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78BE309 | 46 36 59 | 89 29 39 | 3.00 | 3.00 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78BE310 | 46 37 9 | 89 29 20 | 5.00 | .30 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 100 |
| 78BE311 | 46 14 23 | 89 42 50 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 100 |
| 78BE312 | 46 13 58 | 89 41 48 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78BE313 | 46 14 14 | 89 40 41 | 5.00 | .30 | .50 | .70 | 300 | N | 300 | 500.0 | <.7 | 15.0 | 70 |
| 78BE314 | 46 12 51 | 89 41 37 | 5.00 | .50 | .70 | .50 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78BE315 | 46 12 49 | 89 40 15 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 700.0 | <.7 | 20.0 | 100 |
| 78BE316 | 46 11 53 | 89 40 39 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 30.0 | 100 |
| 78BE317 | 46 12 0 | 89 39 27 | 5.00 | .50 | .70 | .50 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78BE318 | 46 11 40 | 89 38 4 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 20.0 | 70 |
| 78BE319 | 46 10 42 | 89 36 21 | 3.00 | .50 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78BE320 | 46 11 18 | 89 35 23 | 3.00 | .50 | .70 | .50 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78BE321 | 46 12 35 | 89 35 33 | 5.00 | .70 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78BE322 | 46 12 25 | 89 34 9 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78BE323 | 46 10 6 | 89 35 16 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78BE324 | 46 10 3 | 89 34 1 | 3.00 | .30 | .70 | .50 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78BE325 | 46 10 0 | 89 32 52 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 70 |
| 78BE326 | 46 10 18 | 89 31 55 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78BE327 | 46 11 20 | 89 31 31 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78BE328 | 46 12 16 | 89 32 26 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78BE329 | 46 13 6 | 89 32 3 | 7.00 | .50 | .70 | .10 | 700 | N | 70 | 500.0 | <.7 | 30.0 | 100 |
| 78BE330 | 46 13 50 | 89 31 40 | 2.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78BE331 | 46 13 3 | 89 30 28 | 3.00 | .50 | .70 | .50 | 1,000 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78BE332 | 46 14 57 | 89 31 15 | 5.00 | .50 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78BE333 | 46 14 27 | 89 34 23 | 5.00 | .50 | .70 | .50 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78BE334 | 46 13 41 | 89 43 40 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78BE335 | 46 12 48 | 89 43 39 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78BE336 | 46 11 44 | 89 44 16 | 5.00 | .50 | .70 | .70 | 500 | N | 30 | 500.0 | <.7 | 15.0 | 70 |
| 78BE337 | 46 9 38 | 89 37 3 | 5.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78BE206 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BE207 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BE208 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78BG300 | 70.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78BG301 | 30.0 | 50 | N | <15 | 30.0 | 50 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78BG302 | 50.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78BG304 | 30.0 | 70 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78BG305 | 50.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 100 | 20 | 500 |
| 78BG306 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BG307 | 300.0 | 70 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78BJ008 | 70.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78BJ009 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78BJ010 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BJ011 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BJ012 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BJ013 | 50.0 | 50 | N | <15 | 30.0 | 15 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BJ014 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78BJ015 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78BJ016 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ017 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BJ018 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78BJ019 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 200 | 20 | 500 |
| 78BJ020 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78BJ021 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78BJ022 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78BJ023 | 30.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 150 | 150 | 20 | 500 |
| 78BJ024 | 50.0 | 50 | N | N | 30.0 | 20 | 15.0 | N | 100 | 150 | 20 | 500 |
| 78BJ025 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ026 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78BJ027 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 200 | 20 | 700 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78BJ028 | 46 8 41 | 89 37 48 | 5.00 | .50 | .70 | .70 | 700 | N | 150 | 500.0 | <.7 | 20.0 | 100 |
| 78BJ029 | 46 7 47 | 89 37 45 | 3.00 | .50 | .70 | .70 | 300 | N | 50 | 700.0 | <.7 | 15.0 | 70 |
| 78BJ030 | 46 6 49 | 89 38 56 | 7.00 | .70 | .70 | 1.00 | 1,000 | N | 70 | 700.0 | N | 20.0 | 100 |
| 78BJ031 | 46 6 49 | 89 40 12 | 7.00 | .50 | .70 | 1.00 | 700 | N | 70 | 500.0 | <.7 | 20.0 | 150 |
| 78BJ032 | 46 7 30 | 89 42 17 | 7.00 | .70 | .70 | 1.00 | 1,000 | N | 50 | 700.0 | <.7 | 20.0 | 100 |
| 78BJ033 | 46 7 58 | 89 43 54 | 3.00 | .50 | .70 | .50 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78BJ034 | 46 8 26 | 89 44 49 | 3.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78BJ035 | 46 9 16 | 89 43 8 | 5.00 | .50 | .70 | 1.00 | 700 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ036 | 46 10 4 | 89 42 23 | 2.00 | .30 | .70 | .30 | 300 | N | 200 | 500.0 | N | 10.0 | 50 |
| 78BJ037 | 46 6 15 | 89 42 26 | 5.00 | .30 | .50 | .70 | 1,000 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ038 | 46 5 31 | 89 43 40 | 5.00 | .50 | .70 | .50 | 700 | N | 30 | 500.0 | N | 10.0 | 70 |
| 78BJ039 | 46 4 41 | 89 44 31 | 10.00 | .70 | .70 | 1.00 | 1,000 | N | 200 | 500.0 | N | 20.0 | 150 |
| 78BJ040 | 46 5 7 | 89 40 42 | 3.00 | .30 | .30 | .50 | 500 | N | 50 | 700.0 | <.7 | 5.0 | 50 |
| 78BJ041 | 46 4 16 | 89 41 12 | 5.00 | .30 | .50 | .50 | 700 | N | 50 | 700.0 | <.7 | 5.0 | 70 |
| 78BJ042 | 46 3 14 | 89 41 32 | 7.00 | 3.00 | .50 | 1.00 | 1,000 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78BJ043 | 46 2 26 | 89 42 24 | 7.00 | .30 | .50 | .70 | 700 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ044 | 46 2 17 | 89 44 7 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78BJ045 | 46 3 21 | 89 43 18 | 7.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ046 | 46 5 57 | 89 38 45 | 10.00 | .50 | .70 | 1.00 | 700 | N | 100 | 700.0 | <.7 | 20.0 | 100 |
| 78BJ047 | 46 5 6 | 89 38 45 | 2.00 | .30 | .30 | .30 | 300 | N | 70 | 700.0 | <.7 | 5.0 | 50 |
| 78BJ048 | 46 4 16 | 89 38 40 | 7.00 | .50 | .50 | .70 | 700 | N | 50 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ049 | 46 3 6 | 89 38 58 | 7.00 | .50 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ050 | 46 2 45 | 89 40 7 | 7.00 | .30 | .50 | 1.00 | 700 | N | 70 | 700.0 | N | 10.0 | 70 |
| 78BJ051 | 46 1 28 | 89 39 9 | 5.00 | .30 | .50 | .70 | 700 | N | 150 | 700.0 | <.7 | 10.0 | 150 |
| 78BJ052 | 46 0 40 | 89 39 39 | 7.00 | .30 | .70 | 1.00 | 700 | N | 200 | 700.0 | <.7 | 10.0 | 100 |
| 78BJ053 | 46 0 44 | 89 41 35 | 5.00 | .50 | .70 | 1.00 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78BJ054 | 46 1 39 | 89 42 18 | .30 | .50 | .70 | .70 | 500 | N | 30 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ055 | 46 0 28 | 89 38 23 | 5.00 | .50 | .50 | 1.00 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 78BJ056 | 46 0 13 | 89 37 4 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 78BJ057 | 46 0 9 | 89 35 17 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ058 | 46 0 31 | 89 33 20 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ059 | 46 1 16 | 89 33 28 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 100 |
| 78BJ060 | 46 1 29 | 89 34 51 | 5.00 | .50 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ061 | 46 2 20 | 89 34 11 | 7.00 | .30 | .70 | 1.00 | 700 | N | 150 | 700.0 | <.7 | 15.0 | 100 |
| 78BJ062 | 46 1 39 | 89 36 15 | 7.00 | .50 | .70 | 1.00 | 700 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78BJ063 | 46 1 32 | 89 37 40 | 7.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ064 | 46 3 28 | 89 37 38 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ065 | 46 3 25 | 89 36 4 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ066 | 46 3 17 | 89 34 37 | 2.00 | .20 | .20 | .30 | 200 | N | 70 | 500.0 | <.7 | <3.0 | 30 |
| 78BJ067 | 46 3 14 | 89 33 9 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78BJ028 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78BJ029 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 200 | 20 | 300 |
| 78BJ030 | 50.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 150 | 300 | 30 | 300 |
| 78BJ031 | 30.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 300 | 20 | 700 |
| 78BJ032 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 150 | 300 | 20 | 1,000 |
| 78BJ033 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 150 | 150 | 20 | 300 |
| 78BJ034 | 30.0 | 50 | N | <15 | 30.0 | 30 | 7.0 | N | 150 | 150 | 20 | 500 |
| 78BJ035 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78BJ036 | 15.0 | 50 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 100 |
| 78BJ037 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78BJ038 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 150 | 200 | 20 | 150 |
| 78BJ039 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 500 | 20 | 300 |
| 78BJ040 | 20.0 | 50 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78BJ041 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78BJ042 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 200 | 20 | 1,000 |
| 78BJ043 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 15 | 500 |
| 78BJ044 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78BJ045 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78BJ046 | 70.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 20 | 1,000 |
| 78BJ047 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 10 | 100 |
| 78BJ048 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 1,000 |
| 78BJ049 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 50 | 1,000 |
| 78BJ050 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78BJ051 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 200 | 15 | 500 |
| 78BJ052 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 200 | 20 | 700 |
| 78BJ053 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 200 | 30 | 1,000 |
| 78BJ054 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 200 |
| 78BJ055 | 30.0 | 50 | N | 20 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 1,000 |
| 78BJ056 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 1,000 |
| 78BJ057 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78BJ058 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 700 |
| 78BJ059 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 70 | 200 |
| 78BJ060 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78BJ061 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 1,000 |
| 78BJ062 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 30 | 1,000 |
| 78BJ063 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 700 |
| 78BJ064 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BJ065 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78BJ066 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 70 | 10 | 200 |
| 78BJ067 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | <70 | 200 | 20 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78BJ068 | 46 3 35 | 89 31 51 | 3.00 | .30 | .70 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ069 | 46 3 25 | 89 30 40 | 3.00 | .20 | .50 | .50 | 300 | N | 100 | 500.0 | N | 10.0 | 70 |
| 78BJ070 | 46 4 10 | 89 31 33 | 3.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78BJ071 | 46 4 40 | 89 33 19 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ072 | 46 5 2 | 89 34 41 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ073 | 46 4 52 | 89 36 25 | 5.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ074 | 46 6 6 | 89 37 28 | 7.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ075 | 46 4 36 | 89 43 0 | 3.00 | .30 | .50 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ076 | 46 0 10 | 89 42 59 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78BJ077 | 46 0 4 | 89 44 19 | 2.00 | .30 | .50 | .50 | 300 | N | 30 | 500.0 | <.7 | 5.0 | 50 |
| 78BJ078 | 46 1 12 | 89 43 53 | 2.00 | .20 | .30 | .50 | 300 | N | 30 | 500.0 | <.7 | 5.0 | 70 |
| 78BJ079 | 46 0 19 | 89 31 56 | 5.00 | .30 | .50 | .70 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 150 |
| 78BJ080 | 46 0 40 | 89 30 36 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 300.0 | <.7 | 15.0 | 100 |
| 78BJ081 | 46 1 43 | 89 31 42 | 5.00 | .20 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ082 | 46 2 36 | 89 30 46 | 5.00 | .30 | .30 | .70 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ083 | 46 5 24 | 89 32 17 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ084 | 46 5 57 | 89 33 42 | 5.00 | .30 | .70 | .70 | 500 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ085 | 46 6 47 | 89 33 10 | 3.00 | .30 | .50 | .50 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ086 | 46 6 46 | 89 32 4 | 10.00 | .30 | .50 | 1.00 | 700 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ087 | 46 6 45 | 89 30 51 | 3.00 | .30 | .30 | .70 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 100 |
| 78BJ088 | 46 5 53 | 89 35 7 | 3.00 | .30 | .30 | .30 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ089 | 46 5 45 | 89 36 32 | 2.00 | .30 | .30 | .50 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78BJ090 | 46 7 41 | 89 36 20 | 5.00 | .50 | .70 | .70 | 700 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ091 | 46 8 25 | 89 35 14 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ092 | 46 9 2 | 89 36 2 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ093 | 46 9 0 | 89 34 8 | 5.00 | .50 | .70 | .70 | 700 | N | 30 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ094 | 46 8 1 | 89 39 20 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78BJ095 | 46 9 9 | 89 39 58 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78BJ096 | 46 10 24 | 89 39 41 | 5.00 | .50 | .50 | .70 | 500 | N | 30 | 300.0 | <.7 | 20.0 | 100 |
| 78BJ097 | 46 10 43 | 89 40 51 | 3.00 | .50 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78BJ098 | 46 8 59 | 89 31 47 | 3.00 | .30 | .50 | .70 | 2,000 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ099 | 46 8 6 | 89 31 19 | 5.00 | .30 | .50 | .70 | 700 | N | 30 | 500.0 | <.7 | 15.0 | 100 |
| 78BJ001 | 46 5 6 | 88 59 16 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ002 | 46 4 46 | 88 57 38 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ004 | 46 3 33 | 88 57 10 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 78BJ005 | 46 3 7 | 88 57 52 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ006 | 46 3 29 | 88 58 26 | 2.00 | .20 | .30 | .30 | 500 | N | 100 | 700.0 | <.7 | <3.0 | 30 |
| 78BJ007 | 46 2 12 | 88 57 52 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ008 | 46 2 12 | 88 59 25 | 3.00 | .50 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BJ009 | 46 2 52 | 88 59 55 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78BJ068 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ069 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 100 |
| 78BJ070 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BJ071 | 30.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BJ072 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ073 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78BJ074 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78BJ075 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ076 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78BJ077 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 10 | 200 |
| 78BJ078 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 150 | 15 | 150 |
| 78BJ079 | 20.0 | 150 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78BJ080 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BJ081 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ082 | 20.0 | 30 | N | N | 50.0 | 15 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ083 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ084 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78BJ085 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78BJ086 | 30.0 | 30 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78BJ087 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BJ088 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78BJ089 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78BJ090 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ091 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BJ092 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78BJ093 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78BJ094 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78BJ095 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BJ096 | 50.0 | 30 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78BJ097 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78BJ098 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78BJ099 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78BJ100 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BJ101 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BJ102 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BJ103 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78BJ104 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 50 | <7 | 30 |
| 78BJ105 | 15.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78BJ106 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78BJ107 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78BJ108 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78BJ109 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 78BW010 | 46 2 29 | 88 56 46 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 700.0 | <.7 | 10.0 | 70 |
| 78BW011 | 46 3 5 | 88 56 9 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW012 | 46 1 14 | 88 56 58 | 3.00 | .50 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 100 |
| 78BW013 | 46 0 29 | 88 57 23 | 3.00 | .30 | .30 | .70 | 700 | N | 70 | 1,000.0 | N | 10.0 | 70 |
| 78BW014 | 46 0 51 | 88 55 30 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW015 | 46 1 33 | 88 55 16 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78BW016 | 46 2 16 | 88 54 27 | 2.00 | .20 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 5.0 | 50 |
| 78BW017 | 46 1 27 | 88 54 2 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW018 | 46 0 33 | 88 54 10 | 2.00 | .30 | .20 | .50 | 300 | N | 50 | 700.0 | <.7 | 5.0 | 50 |
| 78BW019 | 46 1 10 | 88 53 13 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78BW020 | 46 2 4 | 88 52 57 | 5.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78BW021 | 46 2 54 | 88 52 59 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BW022 | 46 1 15 | 88 51 59 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78BW023 | 46 2 26 | 88 52 7 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW024 | 46 3 8 | 88 51 45 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78BW025 | 46 1 12 | 88 49 9 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 70 |
| 78BW026 | 46 0 1 | 88 49 48 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW027 | 46 1 26 | 88 50 24 | 3.00 | .20 | .30 | .70 | 300 | N | 50 | 1,000.0 | N | 5.0 | 50 |
| 78BW028 | 46 2 26 | 88 48 2 | 5.00 | .50 | .50 | 1.00 | 500 | N | 50 | 1,000.0 | N | 10.0 | 70 |
| 78BW029 | 46 2 25 | 88 46 14 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW030 | 46 1 22 | 88 45 43 | 3.00 | .70 | .70 | .70 | 700 | N | 50 | 1,000.0 | <.7 | 10.0 | 150 |
| 78BW031 | 46 3 6 | 88 45 5 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW032 | 46 2 40 | 88 49 23 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW033 | 46 3 30 | 88 49 46 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78BW034 | 46 4 23 | 88 47 36 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 78BW035 | 46 3 53 | 88 45 36 | 1.50 | .30 | .30 | .30 | 200 | N | 70 | 700.0 | <.7 | 5.0 | 50 |
| 78BW036 | 46 5 0 | 88 45 3 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78BW037 | 46 5 13 | 88 47 29 | 3.00 | .50 | .30 | .50 | 700 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW038 | 46 6 1 | 88 46 49 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78BW039 | 46 6 37 | 88 45 59 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW040 | 46 7 23 | 88 45 5 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW041 | 46 7 32 | 88 46 30 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 700.0 | N | 5.0 | 50 |
| 78BW042 | 46 6 42 | 88 48 5 | 2.00 | .30 | .30 | 1.00 | 200 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78BW043 | 46 7 26 | 88 49 1 | 2.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW044 | 46 6 49 | 88 45 3 | 1.50 | .50 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 78BW045 | 46 5 27 | 88 51 2 | 2.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 78BW046 | 46 2 46 | 88 46 32 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78BW047 | 46 3 59 | 88 48 59 | 1.50 | .50 | .30 | .50 | 300 | N | 50 | 700.0 | N | 7.0 | 70 |
| 78BW048 | 46 4 27 | 88 50 9 | 2.00 | .30 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW049 | 46 3 44 | 88 51 31 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | Lu | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78BW010 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW011 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 78BW012 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78BW013 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 78BW014 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78BW015 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 150 |
| 78BW016 | 15.0 | 50 | N | N | 15.0 | 15 | 5.0 | N | 100 | 100 | 20 | 200 |
| 78BW017 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 70 | 20 | 300 |
| 78BW018 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | <70 | 70 | 20 | 200 |
| 78BW019 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW020 | 20.0 | 30 | N | N | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78BW021 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW022 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW023 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW024 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW025 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW026 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 1,000 |
| 78BW027 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78BW028 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 15 | 200 |
| 78BW029 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 78BW030 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 150 | 150 | 20 | 200 |
| 78BW031 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW032 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78BW033 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW034 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW035 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 10 | 200 |
| 78BW036 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW037 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78BW038 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW039 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW040 | 15.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 78BW041 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW042 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW043 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW044 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78BW045 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW046 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW047 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 10 | 150 |
| 78BW048 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW049 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |

0-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 780W050 | 46 4 2 | 88 52 47 | 1.50 | .50 | .30 | .70 | 200 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W051 | 46 3 42 | 88 54 14 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 780W052 | 46 3 5 | 88 54 45 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W053 | 46 4 18 | 88 54 17 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W054 | 46 7 23 | 88 55 47 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 50 |
| 780W055 | 46 7 17 | 88 56 20 | 3.00 | .30 | .30 | .70 | 1,000 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 780W056 | 46 7 39 | 88 55 27 | 3.00 | .30 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W057 | 46 8 8 | 88 53 55 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W058 | 46 9 20 | 88 52 31 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W059 | 46 9 25 | 88 50 43 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W060 | 46 9 28 | 88 48 24 | 1.50 | .30 | .30 | .70 | 200 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 780W061 | 46 9 8 | 88 46 53 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W062 | 46 9 8 | 88 45 1 | 3.00 | .50 | .50 | 1.00 | 300 | N | 70 | 1,000.0 | N | 10.0 | 70 |
| 780W063 | 46 8 4 | 88 44 59 | 3.00 | .50 | .30 | 1.00 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 100 |
| 780W064 | 46 6 24 | 88 51 47 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W065 | 46 7 18 | 88 52 12 | 2.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W066 | 46 5 46 | 88 52 59 | 2.00 | .20 | .20 | 1.00 | 300 | N | 50 | 700.0 | N | 7.0 | 50 |
| 780W067 | 46 6 10 | 88 55 24 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W068 | 46 5 34 | 88 54 47 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 780W069 | 46 7 10 | 88 54 21 | 1.50 | .20 | .30 | .50 | 300 | N | 70 | 700.0 | <.7 | 5.0 | 50 |
| 780W070 | 46 0 57 | 88 59 3 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W071 | 46 0 21 | 88 51 28 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | N | 7.0 | 50 |
| 780W072 | 46 1 24 | 88 47 13 | 5.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 780W073 | 46 7 50 | 88 58 36 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W074 | 46 8 40 | 88 55 41 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W075 | 46 7 56 | 88 57 3 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W076 | 46 8 31 | 88 59 54 | 2.00 | .50 | .30 | .70 | 300 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 780W077 | 46 9 48 | 88 58 38 | 3.00 | .20 | .30 | 1.00 | 300 | N | 50 | 1,000.0 | N | 7.0 | 70 |
| 780W078 | 46 10 28 | 88 59 58 | 3.00 | .30 | .30 | 1.00 | 300 | N | 50 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W079 | 46 10 41 | 88 57 21 | 1.50 | .30 | .20 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 30 |
| 780W080 | 46 11 55 | 88 56 12 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 780W081 | 46 11 14 | 88 54 42 | 2.00 | .50 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 780W082 | 46 12 42 | 88 54 24 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W083 | 46 13 48 | 88 55 18 | 3.00 | .20 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | N | 10.0 | 70 |
| 780W084 | 46 14 47 | 88 55 3 | 3.00 | .20 | .30 | .50 | 300 | N | 200 | 1,000.0 | N | 7.0 | 70 |
| 780W085 | 46 14 8 | 88 57 15 | 3.00 | .30 | .50 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W086 | 46 14 24 | 88 59 2 | 3.00 | .30 | .30 | 1.00 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 780W087 | 46 13 7 | 88 58 13 | 3.00 | .50 | .30 | .50 | 300 | N | 50 | 1,000.0 | N | 10.0 | 50 |
| 780W088 | 46 11 6 | 88 58 34 | 2.00 | .30 | .30 | .70 | 200 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 780W089 | 46 11 31 | 88 58 4 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|-----|----|-----|-----|----|--------|
| 78BW050 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78BW051 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW052 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW053 | 20.0 | 70 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW054 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 78BW055 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 15 | 500 |
| 78BW056 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW057 | 30.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW058 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW059 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 15 | 1,000 |
| 78BW060 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78BW061 | 20.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78BW062 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | >1,500 |
| 78BW063 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 700 |
| 78BW064 | 20.0 | 50 | N | N | 15.0 | 15 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78BW065 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW066 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW067 | 20.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW068 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 78BW069 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78BW070 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW071 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78BW072 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78BW073 | 50.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW074 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78BW075 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78BW076 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW077 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW078 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78BW079 | 20.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | <70 | 70 | 15 | 200 |
| 78BW080 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW081 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 78BW082 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 150 |
| 78BW083 | 20.0 | 70 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW084 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW085 | 50.0 | 50 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78BW086 | 20.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78BW087 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78BW088 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW089 | 30.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | 100 | 100 | 20 | 300 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 78BW090 | 46 9 57 | 88 54 46 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78BW091 | 46 10 21 | 88 52 48 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 78BW092 | 46 11 23 | 88 52 42 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 78BW093 | 46 13 31 | 88 52 0 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW094 | 46 14 46 | 88 51 57 | 3.00 | .30 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW095 | 46 14 22 | 88 49 51 | 5.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 78BW096 | 46 12 27 | 88 49 14 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78BW097 | 46 12 24 | 88 46 41 | 3.00 | .30 | .15 | .70 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 100 |
| 78BW098 | 46 13 6 | 88 46 36 | 3.00 | .30 | .20 | .70 | 300 | N | 70 | 700.0 | N | 7.0 | 70 |
| 78BW099 | 46 11 29 | 88 45 20 | 3.00 | .50 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | N | 10.0 | 100 |
| 78BW100 | 46 14 24 | 88 46 7 | 2.00 | .30 | .20 | .50 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78BW101 | 46 14 34 | 88 47 56 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 100 |
| 78BW102 | 46 13 28 | 88 49 30 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | N | 10.0 | 70 |
| 78BW103 | 46 12 9 | 88 54 2 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78BW104 | 46 12 15 | 88 51 28 | 5.00 | .50 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78BW105 | 46 11 33 | 88 50 7 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78BW106 | 46 10 42 | 88 51 10 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 5.0 | 30 |
| 78BW107 | 46 11 19 | 88 47 1 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78BW108 | 46 10 23 | 88 46 22 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78CR001 | 46 48 35 | 89 45 58 | 5.00 | .50 | .50 | .50 | 500 | N | 150 | 700.0 | <.7 | 15.0 | 70 |
| 78CR002 | 46 48 35 | 89 45 58 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78CR003 | 46 46 59 | 89 45 34 | 5.00 | .30 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 78CR004 | 46 45 54 | 89 46 6 | 3.00 | .30 | .30 | .70 | 200 | N | 100 | 500.0 | <.7 | 5.0 | 50 |
| 78CR005 | 46 45 5 | 89 47 9 | 5.00 | .50 | .50 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78CR006 | 46 44 17 | 89 47 45 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78CR007 | 46 43 33 | 89 48 57 | 5.00 | .30 | .30 | .70 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78GR001 | 46 46 11 | 89 13 32 | 1.50 | .20 | .50 | .50 | 300 | N | 150 | 500.0 | N | <3.0 | 50 |
| 78GR002 | 46 45 25 | 89 12 51 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78IR001 | 46 3 15 | 88 44 57 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR002 | 46 0 31 | 88 43 12 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR003 | 46 0 18 | 88 42 19 | 1.50 | .20 | .30 | .50 | 300 | N | 70 | 1,000.0 | N | <3.0 | 50 |
| 78IR004 | 46 0 46 | 88 44 58 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 5.0 | 70 |
| 78IR005 | 46 2 28 | 88 43 3 | 1.50 | .20 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 50 |
| 78IR006 | 46 1 22 | 88 42 24 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,500.0 | N | 10.0 | 70 |
| 78IR007 | 46 3 39 | 88 42 3 | 1.50 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 78IP008 | 46 2 49 | 88 40 14 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR009 | 46 1 22 | 88 40 39 | 2.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR010 | 46 0 21 | 88 40 4 | 2.00 | .50 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR011 | 46 0 0 | 88 37 50 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78IF012 | 46 1 43 | 88 37 31 | 2.00 | .30 | .50 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|--------|
| 78BW090 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78BW091 | 20.0 | 70 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 700 |
| 78BW092 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 78BW093 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW094 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 700 |
| 78BW095 | 30.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | >1,500 |
| 78BW096 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 1,000 |
| 78BW097 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78BW098 | 20.0 | 30 | N | N | 15.0 | 15 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78BW099 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78BW100 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 78BW101 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW102 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78BW103 | 30.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78BW104 | 20.0 | 50 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 70 | 1,000 |
| 78BW105 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78BW106 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78BW107 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 1,000 |
| 78BW108 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78CR001 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78CR001 | 30.0 | 50 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78CR002 | 30.0 | 30 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78CR003 | 20.0 | 30 | N | N | 15.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78CR004 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78CR005 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78CR006 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78CR001 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 200 | 70 | 15 | 200 |
| 78GR006 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78IR001 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78IR002 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78IR003 | 10.0 | 50 | N | N | <3.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 78IR004 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78IR005 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78IR006 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78IR007 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78IR008 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78IR009 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78IR010 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78IR011 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | <70 | 70 | 20 | 300 |
| 78IR012 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Ag % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 781R013 | 46 3 32 | 88 38 23 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 781R014 | 46 4 45 | 88 38 0 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 781R015 | 46 4 42 | 88 39 54 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R016 | 46 2 4 | 88 41 39 | 1.50 | .50 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 781R017 | 46 4 10 | 88 44 13 | 3.00 | .50 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 781R018 | 46 4 49 | 88 43 37 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 781R019 | 46 5 36 | 88 44 16 | 1.50 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 781R020 | 46 5 13 | 88 41 9 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 1,000.0 | N | 10.0 | 70 |
| 781R021 | 46 7 12 | 88 44 53 | 3.00 | .30 | .20 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R022 | 46 7 30 | 88 43 57 | 2.00 | .20 | .30 | .50 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 781R023 | 46 7 28 | 88 40 41 | 2.00 | .30 | .20 | .50 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 50 |
| 781R024 | 46 7 1 | 88 39 18 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | N | 7.0 | 50 |
| 781R025 | 46 8 17 | 88 39 15 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 781R026 | 46 8 53 | 88 41 30 | 3.00 | .30 | .20 | .70 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 781R027 | 46 9 5 | 88 44 35 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R028 | 46 10 25 | 88 41 51 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | N | 10.0 | 50 |
| 781R029 | 46 12 8 | 88 41 55 | 2.00 | .30 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 781R030 | 46 14 0 | 88 42 2 | 2.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R031 | 46 14 57 | 88 40 26 | 1.50 | .30 | .20 | .70 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 781R032 | 46 14 20 | 88 44 6 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 781R033 | 46 13 3 | 88 44 53 | 2.00 | .30 | .30 | 1.00 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 70 |
| 781R034 | 46 11 1 | 88 44 35 | 2.00 | .30 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 781R035 | 46 10 43 | 88 43 16 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R036 | 46 12 10 | 88 40 6 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | 1.0 | 7.0 | 70 |
| 781R037 | 46 12 11 | 88 38 26 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R038 | 46 14 9 | 88 38 3 | 1.50 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 781R039 | 46 10 19 | 88 38 20 | 2.00 | .20 | .20 | .70 | 300 | N | 50 | 1,000.0 | <.7 | 5.0 | 30 |
| 781R040 | 46 12 44 | 88 39 13 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 781R041 | 46 12 37 | 88 40 41 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 781R042 | 46 10 26 | 88 40 10 | 2.00 | .50 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 781R043 | 46 13 18 | 88 43 18 | 3.00 | .50 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 781R044 | 46 8 53 | 88 39 23 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 781R045 | 46 8 4 | 88 37 38 | 3.00 | .50 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 781R046 | 46 13 23 | 88 37 13 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 781R047 | 46 8 1 | 88 36 40 | 3.00 | .50 | .30 | .70 | 700 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 781R048 | 46 9 2 | 88 35 51 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 781R049 | 46 10 26 | 88 35 43 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 781R050 | 46 11 20 | 88 36 14 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 781R051 | 46 10 51 | 88 36 14 | 3.00 | .70 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 781R052 | 46 12 38 | 88 35 10 | 3.00 | .70 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 781R013 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 781R014 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 15 | 500 |
| 781R015 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 781R016 | 15.0 | 70 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 781R017 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 781R018 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R019 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | <70 | 70 | 20 | 500 |
| 781R020 | 50.0 | 30 | N | N | 30.0 | 30 | 7.0 | N | 100 | 100 | 15 | 100 |
| 781R021 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 781R022 | 20.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | <70 | 100 | 20 | 150 |
| 781R023 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 781R024 | 100.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R025 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 781R026 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 1,000 |
| 781R027 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R028 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 781R029 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R030 | 20.0 | 50 | N | N | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R031 | 15.0 | 50 | N | N | 20.0 | 15 | 5.0 | N | 100 | 70 | 20 | 300 |
| 781R032 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 781R033 | 15.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 150 | 100 | 20 | 500 |
| 781R034 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R035 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R036 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 781R037 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R038 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 781R039 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 781R040 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R041 | 20.0 | 50 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R042 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R043 | 50.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R044 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R045 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 781R046 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 781R047 | 20.0 | 70 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R048 | 20.0 | 70 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R049 | 20.0 | 70 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 781R050 | 20.0 | 50 | N | <15 | 10.0 | 30 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R051 | 20.0 | 50 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 781R052 | 30.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Cu % | Pi % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 78IR053 | 46 12 19 | 88 33 14 | 2.00 | .50 | .30 | .70 | 300 | N | 50 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR054 | 46 12 0 | 88 32 22 | 2.00 | .50 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR055 | 46 11 35 | 88 33 29 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR056 | 46 11 2 | 88 34 26 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 700.0 | N | 7.0 | 50 |
| 78IR057 | 46 10 14 | 88 34 35 | 2.00 | .50 | .50 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR058 | 46 8 33 | 88 34 10 | 1.50 | .30 | .30 | .50 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 78IR059 | 46 8 15 | 88 35 1 | 1.50 | .30 | .50 | .30 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 78IR060 | 46 8 40 | 88 33 12 | 2.00 | .30 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78IR061 | 46 10 2 | 88 32 45 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR062 | 46 14 59 | 88 32 34 | 1.50 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78IR063 | 46 13 50 | 88 32 59 | 1.50 | .20 | .30 | .70 | 200 | N | 70 | 1,000.0 | <.7 | <3.0 | 50 |
| 78IR064 | 46 14 1 | 88 34 14 | 2.00 | .30 | .30 | .50 | 700 | N | 100 | 700.0 | <.7 | 10.0 | 50 |
| 78IR065 | 46 13 33 | 88 31 40 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR066 | 46 14 10 | 88 30 8 | 2.00 | .30 | .30 | .70 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78IR067 | 46 10 11 | 88 30 12 | 2.00 | .30 | .20 | .30 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 78IR068 | 46 10 57 | 88 30 37 | 2.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 78IR069 | 46 11 38 | 88 30 53 | 3.00 | .50 | .50 | .70 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR070 | 46 8 44 | 88 30 37 | 2.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 78IR071 | 46 7 51 | 88 30 45 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR072 | 46 7 30 | 88 32 1 | 1.50 | .30 | .50 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78IR073 | 46 6 29 | 88 31 0 | 3.00 | 1.00 | 1.50 | .70 | 1,000 | N | 150 | 1,000.0 | N | 10.0 | 70 |
| 78IR074 | 46 5 38 | 88 30 22 | 3.00 | .30 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | N | 5.0 | 70 |
| 78IR075 | 46 4 45 | 88 30 42 | 3.00 | .50 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR076 | 46 5 42 | 88 31 56 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 78IR077 | 46 5 39 | 88 32 33 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR078 | 46 7 3 | 88 32 2 | 3.00 | .70 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78IR079 | 46 6 31 | 88 32 42 | 5.00 | .70 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR080 | 46 7 22 | 88 33 57 | 3.00 | .70 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR081 | 46 7 11 | 88 35 5 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR082 | 46 7 29 | 88 35 46 | 3.00 | .70 | .50 | >1.50 | 700 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78IR083 | 46 5 29 | 88 35 3 | 3.00 | .70 | .50 | 1.00 | 1,000 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 78IR084 | 46 5 17 | 88 36 3 | 3.00 | .50 | .50 | >1.50 | 700 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78IR085 | 46 6 55 | 88 37 1 | 3.00 | .50 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | N | 5.0 | 70 |
| 78IR086 | 46 3 59 | 88 36 39 | 3.00 | .70 | .50 | >1.50 | 1,000 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR087 | 46 4 47 | 88 36 21 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78IR088 | 46 4 31 | 88 34 28 | 3.00 | .50 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR089 | 46 4 15 | 88 32 56 | 3.00 | .70 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR090 | 46 4 13 | 88 31 13 | 3.00 | .70 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 78IR091 | 46 3 43 | 88 30 59 | 3.00 | .50 | .50 | .70 | 1,000 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR092 | 46 3 20 | 88 34 49 | 3.00 | .70 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | N | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 781R053 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 781R054 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 781R055 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 781R056 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 15 | 200 |
| 781R057 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 781R058 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 781R059 | 15.0 | 70 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 15 | 70 |
| 781R060 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R061 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 700 |
| 781R062 | 15.0 | 70 | N | N | <3.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R063 | 15.0 | 70 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R064 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R065 | 20.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 781R066 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R067 | 15.0 | 50 | N | N | 20.0 | 15 | 5.0 | N | <70 | 70 | 15 | 200 |
| 781R068 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 781R069 | 15.0 | 70 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 781R070 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R071 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 781R072 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 781R073 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 781R074 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 1,000 |
| 781R075 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 150 | 150 | 30 | 1,000 |
| 781R076 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 781R077 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 150 | 100 | 20 | 1,000 |
| 781R078 | 20.0 | 70 | N | N | 20.0 | 30 | 7.0 | N | 150 | 150 | 20 | 1,000 |
| 781R079 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 1,000 |
| 781R080 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 781R081 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 1,000 |
| 781R082 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 30 | 1,000 |
| 781R083 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 781R084 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 20 | 1,000 |
| 781R085 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 781R086 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 30 | 1,000 |
| 781R087 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 781R088 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 150 | 150 | 30 | 1,000 |
| 781R089 | 20.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 150 | 150 | 30 | 1,000 |
| 781R090 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 150 | 100 | 20 | 1,000 |
| 781R091 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 20 | 700 |
| 781R092 | 20.0 | 70 | N | N | 20.0 | 20 | 10.0 | N | 150 | 150 | 30 | 1,000 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | mg 2 | Ca % | Ti % | Mn | Ag | B | ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 78IR093 | 46 2 30 | 88 34 30 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 78IR094 | 46 1 18 | 88 34 2 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR095 | 46 2 0 | 88 35 1 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR096 | 46 1 45 | 88 35 41 | 3.00 | .70 | .50 | .70 | 1,000 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78IR097 | 46 3 12 | 88 35 49 | 3.00 | .30 | .30 | 1.30 | 500 | N | 150 | 1,000.0 | N | 10.0 | 70 |
| 78IR098 | 46 3 32 | 88 35 23 | 2.00 | .70 | .70 | .70 | 1,000 | N | 150 | 1,500.0 | N | 10.0 | 100 |
| 78IR099 | 46 2 33 | 88 30 56 | 3.00 | .70 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR100 | 46 0 40 | 88 30 45 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | N | 7.0 | 50 |
| 78IR101 | 46 0 3 | 88 32 4 | 3.00 | .50 | .50 | 1.00 | 1,000 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR102 | 46 0 35 | 88 34 10 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 50 |
| 78IR103 | 46 0 3 | 88 34 51 | 3.00 | .70 | .70 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78IR104 | 46 0 1 | 88 37 20 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78IR105 | 46 2 20 | 88 37 28 | 2.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | N | 5.0 | 50 |
| 78IR106 | 46 2 37 | 88 32 50 | 2.00 | .30 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR107 | 46 2 57 | 88 30 0 | 3.00 | .50 | .50 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78IR108 | 46 2 9 | 88 32 10 | 3.00 | .70 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | N | 10.0 | 70 |
| 78IR109 | 46 3 14 | 88 36 56 | 3.00 | .50 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | N | 10.0 | 70 |
| 78IR101 | 46 15 5 | 88 58 35 | 3.00 | .50 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78IR102 | 46 15 47 | 88 59 51 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | N | 10.0 | 50 |
| 78IR103 | 46 15 3 | 88 55 51 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78KE004 | 46 16 1 | 88 55 36 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 78KE005 | 46 16 5 | 88 56 53 | 3.00 | .50 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78KE006 | 46 16 52 | 88 57 38 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78KE007 | 46 17 5 | 88 57 56 | 2.00 | .30 | .30 | .50 | 1,000 | N | 50 | 700.0 | N | 10.0 | 50 |
| 78KE008 | 46 17 39 | 88 59 56 | 2.00 | .30 | .30 | .50 | 500 | N | 70 | 700.0 | N | 10.0 | 50 |
| 78KE009 | 46 18 21 | 88 58 55 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 15.0 | 50 |
| 78KE010 | 46 19 15 | 88 58 28 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 1,000.0 | N | 15.0 | 70 |
| 78KE011 | 46 20 12 | 88 58 42 | 2.00 | .30 | .20 | .70 | 500 | N | 70 | 700.0 | N | 7.0 | 50 |
| 78KE012 | 46 20 28 | 88 59 46 | 2.00 | .30 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78KE013 | 46 20 16 | 88 57 34 | 2.00 | .20 | .20 | .50 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 78KE014 | 46 21 3 | 88 57 14 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78KE015 | 46 21 52 | 88 57 3 | 2.00 | .20 | .30 | .50 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 78KE016 | 46 21 38 | 88 55 51 | 3.00 | .30 | .30 | .70 | 700 | N | 200 | 1,000.0 | <.7 | 10.0 | 50 |
| 78KE017 | 46 20 53 | 88 54 56 | 2.00 | .50 | .30 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 78KE018 | 46 19 55 | 88 55 3 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 700.0 | <.7 | 10.0 | 50 |
| 78KE019 | 46 19 2 | 88 55 5 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78KE020 | 46 17 57 | 88 54 41 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 1,000.0 | N | 15.0 | 70 |
| 78KE021 | 46 16 56 | 88 54 54 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78KE022 | 46 17 33 | 88 56 18 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78KE023 | 46 16 41 | 88 53 41 | 3.00 | .50 | .30 | 1.00 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|----|------|----|------|----|-----|-----|----|-------|
| 78IR093 | 15.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 700 |
| 78IR094 | 20.0 | 70 | N | N | 20.0 | 30 | 7.0 | N | 150 | 100 | 20 | 700 |
| 78IR095 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 1,000 |
| 78IR096 | 30.0 | 50 | N | N | 50.0 | 20 | 7.0 | N | 150 | 150 | 20 | 700 |
| 78IR097 | 20.0 | 70 | N | N | 20.0 | 30 | 7.0 | N | 150 | 100 | 20 | 700 |
| 78IR098 | 30.0 | 70 | N | N | 30.0 | 30 | 10.0 | N | 150 | 100 | 30 | 1,000 |
| 78IR099 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 20 | 1,000 |
| 78IR100 | 20.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 10 | 700 |
| 78IR101 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78IR102 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78IR103 | 30.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 1,000 |
| 78IR104 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78IR105 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 78IR106 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78IR107 | 15.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 150 | 100 | 20 | 1,000 |
| 78IR108 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78IR109 | 70.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 150 | 100 | 30 | 500 |
| 78KE001 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78KE002 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78KE003 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 15 | 500 |
| 78KE004 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78KE005 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 150 |
| 78KE006 | 30.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78KE007 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78KE008 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78KE009 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78KE010 | 20.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78KE011 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 150 |
| 78KE012 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78KE013 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 78KE014 | 20.0 | 100 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78KE015 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78KE016 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78KE017 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78KE018 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78KE019 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78KE020 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78KE021 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78KE022 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78KE023 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 150 | 20 | 500 |

0-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 78KE024 | 46 15 42 | 88 54 22 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 50 |
| 78KE025 | 46 17 30 | 88 53 7 | 5.00 | .50 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | N | 10.0 | 150 |
| 78KE026 | 46 18 14 | 88 52 25 | 5.00 | .50 | .30 | 1.00 | 700 | N | 70 | 700.0 | N | 15.0 | 100 |
| 78KE027 | 46 19 4 | 88 52 5 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 700.0 | <.7 | 10.0 | 50 |
| 78KE028 | 46 19 56 | 88 52 3 | 3.00 | .30 | .30 | 1.00 | 1,000 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 78KE029 | 46 20 57 | 88 52 12 | 3.00 | .70 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78KE030 | 46 21 49 | 88 52 53 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | N | 7.0 | 50 |
| 78KE031 | 46 22 36 | 88 53 13 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | N | 10.0 | 50 |
| 78KE032 | 46 23 27 | 88 53 15 | 1.50 | .30 | .30 | .50 | 300 | N | 50 | 1,000.0 | N | <3.0 | 30 |
| 78KE033 | 46 24 10 | 88 53 40 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78KE034 | 46 24 16 | 88 55 0 | 3.00 | .50 | .50 | >1.50 | 500 | N | 200 | 1,000.0 | N | 10.0 | 70 |
| 78KE035 | 46 23 50 | 88 56 7 | 3.00 | .30 | .30 | >1.50 | 500 | N | 200 | 1,000.0 | N | 7.0 | 70 |
| 78KE036 | 46 23 3 | 88 55 11 | 5.00 | .30 | .50 | >1.50 | 500 | N | 150 | 1,000.0 | N | 7.0 | 70 |
| 78KE037 | 46 23 25 | 88 57 19 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78KE038 | 46 22 33 | 88 56 43 | 3.00 | .50 | .50 | >1.50 | 300 | N | 70 | 1,000.0 | N | 5.0 | 70 |
| 78KE039 | 46 23 5 | 88 59 5 | 3.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | N | 5.0 | 70 |
| 78KE040 | 46 22 35 | 88 59 54 | 3.00 | .20 | .20 | .70 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 78KE041 | 46 21 44 | 88 59 14 | 3.00 | .20 | .30 | .70 | 300 | N | 150 | 1,000.0 | N | 10.0 | 70 |
| 78KE042 | 46 23 46 | 88 54 31 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | N | 7.0 | 50 |
| 78KE043 | 46 25 10 | 88 59 24 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE044 | 46 26 4 | 88 59 31 | 3.00 | .30 | .30 | .70 | 700 | N | 70 | 1,000.0 | N | 7.0 | 50 |
| 78KE045 | 46 24 15 | 88 56 55 | 2.00 | .15 | .20 | .70 | 500 | N | 70 | 1,000.0 | N | 5.0 | 30 |
| 78KE046 | 46 25 13 | 88 57 1 | 3.00 | .30 | .30 | 1.00 | 500 | N | 160 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE047 | 46 26 1 | 88 56 17 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 78KE048 | 46 26 54 | 88 55 45 | 2.00 | .20 | .20 | .70 | 300 | N | 50 | 1,000.0 | N | <3.0 | 50 |
| 78KE049 | 46 27 47 | 88 57 3 | 5.00 | 1.00 | .50 | >1.50 | 700 | N | 100 | 1,500.0 | <.7 | 10.0 | 100 |
| 78KE050 | 46 28 11 | 88 58 17 | 3.00 | .30 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 50 |
| 78KE051 | 46 27 46 | 88 59 31 | 3.00 | .70 | .50 | 1.30 | 700 | N | 150 | 1,000.0 | N | 10.0 | 70 |
| 78KE052 | 46 28 41 | 88 55 40 | 7.00 | .70 | .30 | >1.50 | 1,000 | N | 150 | 1,000.0 | N | 15.0 | 100 |
| 78KE053 | 46 29 10 | 88 56 56 | 5.00 | 1.00 | .30 | >1.50 | 700 | N | 200 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE054 | 46 29 3 | 88 58 10 | 5.00 | .30 | .30 | >1.50 | 1,000 | N | 70 | 1,000.0 | N | 5.0 | 70 |
| 78KE055 | 46 29 25 | 88 53 41 | 2.00 | .70 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | N | 5.0 | 70 |
| 78KE056 | 46 29 44 | 88 55 22 | 3.00 | 1.00 | .30 | 1.00 | 1,000 | N | 200 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE057 | 46 29 27 | 88 51 52 | 3.00 | .70 | .20 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 78KE058 | 46 29 39 | 88 49 58 | 1.00 | .10 | .15 | .30 | 200 | N | 70 | 1,000.0 | N | <3.0 | 20 |
| 78KE059 | 46 29 45 | 88 48 43 | 3.00 | .70 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 78KE060 | 46 29 52 | 88 47 35 | 3.00 | .20 | .30 | 1.00 | 700 | N | 30 | 1,000.0 | <.7 | 10.0 | 50 |
| 78KE061 | 46 29 33 | 88 46 4 | 2.00 | .15 | .20 | .50 | 300 | N | 20 | 1,000.0 | N | <3.0 | 30 |
| 78KE062 | 46 29 12 | 88 46 49 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | N | 5.0 | 30 |
| 78KE064 | 46 28 16 | 88 46 39 | 2.00 | .20 | .20 | .70 | 300 | N | 70 | 1,000.0 | N | 5.0 | 30 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78KE024 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 150 | 100 | 20 | 500 |
| 78KE025 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 700 |
| 78KE026 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78KE027 | 20.0 | 70 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78KE028 | 15.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78KE029 | 30.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78KE030 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78KE031 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78KE032 | 10.0 | 50 | N | N | 15.0 | 20 | <3.0 | N | 100 | 70 | 10 | 150 |
| 78KE033 | 15.0 | 50 | N | N | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 78KE034 | 20.0 | 30 | N | N | 50.0 | 30 | 7.0 | N | 150 | 150 | 20 | 500 |
| 78KE035 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 700 |
| 78KE036 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 700 |
| 78KE037 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | <70 | 100 | 20 | 300 |
| 78KE038 | 20.0 | 30 | N | N | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 150 |
| 78KE039 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE040 | 15.0 | 70 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 78KE041 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78KE042 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78KE043 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE044 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78KE045 | 15.0 | 50 | N | N | <3.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78KE046 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 1,000 |
| 78KE047 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78KE048 | 15.0 | 30 | N | N | 10.0 | 30 | 5.0 | N | 100 | 70 | 15 | 100 |
| 78KE049 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78KE050 | 15.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 150 | 100 | 20 | 500 |
| 78KE051 | 20.0 | 50 | N | N | 30.0 | 30 | 7.0 | N | 150 | 100 | 20 | 500 |
| 78KE052 | 30.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 200 | 30 | 1,000 |
| 78KE053 | 50.0 | 30 | N | N | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78KE054 | 15.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 150 | 30 | 1,000 |
| 78KE055 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 150 |
| 78KE056 | 50.0 | 70 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78KE057 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 78KE058 | 5.0 | 50 | N | N | N | 20 | <3.0 | N | <70 | 50 | 10 | 200 |
| 78KE059 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78KE060 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 78KE061 | 10.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | N | 70 | 20 | 300 |
| 78KE062 | 20.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 500 |
| 78KE064 | 10.0 | 50 | N | N | 10.0 | 20 | <3.0 | N | 100 | 70 | 10 | 500 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 78KE065 | 46 28 15 | 88 45 22 | 1.50 | .20 | .20 | .70 | 700 | N | 70 | 1,000.0 | N | <3.0 | 30 |
| 78KE066 | 46 28 17 | 88 48 56 | 2.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78KE067 | 46 28 24 | 88 50 17 | 3.00 | .70 | .50 | 1.00 | 500 | N | 50 | 1,000.0 | N | 10.0 | 70 |
| 78KE068 | 46 28 11 | 88 51 20 | 1.50 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | N | N | 50 |
| 78KE069 | 46 28 40 | 88 53 7 | 3.00 | 1.00 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78KE070 | 46 27 46 | 88 53 11 | 2.00 | .50 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | N | 7.0 | 50 |
| 78KE071 | 46 26 53 | 88 53 15 | 2.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | N | 7.0 | 50 |
| 78KE072 | 46 26 5 | 88 53 19 | 3.00 | .20 | .20 | 1.00 | 500 | N | 50 | 1,000.0 | N | N | 50 |
| 78KE073 | 46 25 15 | 88 54 3 | 3.00 | .15 | .20 | >1.50 | 1,000 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78KE074 | 46 23 32 | 88 52 3 | 2.00 | .15 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | N | N | 50 |
| 78KE075 | 46 22 52 | 88 51 27 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78KE076 | 46 23 30 | 88 49 22 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | N | 7.0 | 50 |
| 78KE077 | 46 22 48 | 88 50 26 | 1.50 | .30 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 78KE078 | 46 22 18 | 88 49 30 | 3.00 | .30 | .30 | 1.00 | 500 | N | 30 | 1,000.0 | <.7 | 7.0 | 50 |
| 78KE079 | 46 22 36 | 88 48 12 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 50 |
| 78KE080 | 46 22 2 | 88 47 15 | 2.00 | .20 | .20 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 78KE081 | 46 22 58 | 88 47 4 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE082 | 46 24 0 | 88 47 34 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | N | 10.0 | 30 |
| 78KE083 | 46 23 57 | 88 46 22 | 2.00 | .30 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 78KE084 | 46 24 10 | 88 45 12 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE085 | 46 24 43 | 88 47 43 | 2.00 | .30 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 78KE086 | 46 25 21 | 88 46 53 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78KE087 | 46 26 13 | 88 45 55 | 1.50 | .15 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | <3.0 | 20 |
| 78KE088 | 46 27 16 | 88 46 51 | 1.50 | .15 | .20 | .50 | 300 | N | 200 | 1,000.0 | <.7 | <3.0 | 30 |
| 78KE089 | 46 25 27 | 88 46 16 | 3.00 | .30 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | N | 7.0 | 50 |
| 78KE090 | 46 25 19 | 88 49 30 | 3.00 | .30 | .30 | 1.00 | 700 | N | 70 | 1,000.0 | N | 10.0 | 70 |
| 78KE091 | 46 25 39 | 88 50 48 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78KE092 | 46 26 27 | 88 51 34 | 1.50 | .20 | .30 | .50 | 300 | N | 70 | 700.0 | <.7 | <3.0 | 50 |
| 78KE093 | 46 13 50 | 88 51 12 | 5.00 | .30 | .30 | 1.00 | 500 | N | 50 | 700.0 | N | 10.0 | 70 |
| 78KE094 | 46 19 31 | 88 51 3 | 5.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE095 | 46 20 33 | 88 49 30 | 3.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE096 | 46 20 43 | 88 48 5 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 50 |
| 78KE097 | 46 21 20 | 88 47 6 | 2.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 50 |
| 78KE098 | 46 21 28 | 88 49 2 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE099 | 46 16 48 | 88 52 38 | 3.00 | .20 | .20 | 1.00 | 500 | N | 150 | 1,000.0 | N | 5.0 | 70 |
| 78KE100 | 46 17 0 | 88 50 58 | 2.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78KE101 | 46 16 16 | 88 51 35 | 3.00 | .20 | .20 | .70 | 300 | N | 150 | 1,000.0 | N | 5.0 | 70 |
| 78KE102 | 46 15 44 | 88 50 34 | 3.00 | .30 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | N | 10.0 | 70 |
| 78KE103 | 46 15 38 | 88 49 12 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78KE104 | 46 15 40 | 88 48 5 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | N | 10.0 | 70 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|----|------|----|------|----|-----|-----|----|--------|
| 78KE065 | 15.0 | 50 | N | N | 10.0 | 20 | <3.0 | N | 100 | 70 | 10 | 300 |
| 78KE066 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 15 | 700 |
| 78KE067 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78KE068 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 78KE069 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78KE070 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 700 |
| 78KE071 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78KE072 | 20.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78KE073 | 20.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 700 |
| 78KE074 | 15.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | 100 | 100 | 15 | 700 |
| 78KE075 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 30 | 1,000 |
| 78KE076 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 50 | 1,000 |
| 78KE077 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 78KE078 | 20.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78KE079 | 30.0 | 30 | N | N | 30.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78KE080 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 30 | 500 |
| 78KE081 | 30.0 | 50 | N | N | 50.0 | 20 | 5.0 | N | 100 | 100 | 15 | 500 |
| 78KE082 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 78KE083 | 15.0 | 50 | N | N | 30.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78KE084 | 15.0 | 30 | N | N | 30.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78KE085 | 15.0 | 70 | N | N | 30.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 78KE086 | 15.0 | 50 | N | N | 30.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78KE087 | 15.0 | 50 | N | N | 10.0 | 20 | <3.0 | N | 100 | 70 | 10 | 150 |
| 78KE088 | 15.0 | 50 | N | N | 10.0 | 20 | <3.0 | N | 100 | 50 | 15 | 150 |
| 78KE089 | 20.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE090 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78KE091 | 20.0 | 150 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78KE092 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | <70 | 70 | 15 | 500 |
| 78KE093 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | <70 | 150 | 30 | 1,000 |
| 78KE094 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | >1,500 |
| 78KE095 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78KE096 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 1,000 |
| 78KE097 | 20.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE098 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE099 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78KE100 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78KE101 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 78KE102 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE103 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE104 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 50 | 1,000 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Al % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 78KE105 | 46 16 4 | 88 46 58 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78KE106 | 46 15 52 | 88 45 43 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE107 | 46 16 42 | 88 45 56 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE108 | 46 17 29 | 88 45 49 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 78KE109 | 46 18 17 | 88 46 6 | 3.00 | .50 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE110 | 46 19 11 | 88 46 25 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 78KE111 | 46 20 2 | 88 46 3 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78KE112 | 46 18 19 | 88 47 33 | 1.50 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | <3.0 | 50 |
| 78KE113 | 46 18 40 | 88 48 58 | 3.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | <3.0 | 70 |
| 78KE114 | 46 18 39 | 88 49 57 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78KE115 | 46 19 23 | 88 48 48 | 3.00 | .30 | .20 | .70 | 500 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 78KE116 | 46 15 45 | 88 53 16 | 2.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78KE117 | 46 15 10 | 88 51 55 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 700.0 | N | 10.0 | 70 |
| 78MA001 | 46 23 18 | 89 40 23 | 5.00 | .70 | .70 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 100 |
| 78MA002 | 46 23 8 | 89 39 11 | 3.00 | .70 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78MA003 | 46 22 55 | 89 37 57 | 2.00 | .30 | .70 | .50 | 300 | N | 50 | 500.0 | 1.0 | 5.0 | 70 |
| 78MA004 | 46 22 35 | 89 36 30 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MA005 | 46 22 16 | 89 35 4 | 5.00 | .50 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78MA006 | 46 22 9 | 89 33 51 | 3.00 | .30 | .70 | 1.00 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78MA007 | 46 21 50 | 89 32 41 | 5.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78MA008 | 46 21 31 | 89 30 27 | 3.00 | .30 | .50 | .50 | 300 | N | 150 | 500.0 | N | 5.0 | 50 |
| 78MA009 | 46 22 4 | 89 31 6 | 5.00 | .50 | .70 | .70 | 700 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78MA010 | 46 23 11 | 89 31 56 | 3.00 | .50 | .70 | .30 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 50 |
| 78MA011 | 46 24 31 | 89 32 10 | 2.00 | .30 | .70 | .50 | 300 | N | 50 | 500.0 | 1.0 | 5.0 | 30 |
| 78MA012 | 46 25 42 | 89 31 36 | 3.00 | .50 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78MA013 | 46 26 44 | 89 31 17 | 2.00 | .30 | .70 | .30 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78MA014 | 46 28 26 | 89 31 46 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 50 |
| 78MA015 | 46 29 29 | 89 31 44 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | 1.0 | 20.0 | 70 |
| 78MA016 | 46 29 43 | 89 32 59 | 3.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78MA017 | 46 25 35 | 89 33 8 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 70 |
| 78MA018 | 46 26 43 | 89 33 8 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 700.0 | <.7 | 15.0 | 70 |
| 78MA019 | 46 27 16 | 89 34 6 | 3.00 | .50 | .70 | .70 | 700 | N | 50 | 500.0 | 1.0 | 10.0 | 70 |
| 78MA020 | 46 28 7 | 89 34 58 | 5.00 | .70 | .70 | .70 | 700 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 78MA021 | 46 29 8 | 89 35 14 | 3.00 | .50 | .70 | .70 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78MA022 | 46 29 55 | 89 35 56 | 3.00 | .50 | .70 | .70 | 500 | N | 100 | 700.0 | 1.0 | 10.0 | 70 |
| 78MA023 | 46 24 37 | 89 33 27 | 3.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78MA024 | 46 24 24 | 89 34 33 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | 1.0 | 20.0 | 70 |
| 78MA025 | 46 23 56 | 89 35 30 | 5.00 | .50 | .70 | .70 | 700 | N | 70 | 500.0 | 1.0 | 15.0 | 100 |
| 78MA026 | 46 23 48 | 89 38 0 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | .5 | <.7 | 7.0 | 70 |
| 78MA027 | 46 25 30 | 89 41 17 | 1.50 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | <3.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78KE105 | 20.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 1,000 |
| 78KE106 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 700 |
| 78KE107 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78KE108 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78KE109 | 30.0 | 20 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78KE110 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 700 |
| 78KE111 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78KE112 | 20.0 | 50 | N | N | 15.0 | 15 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78KE113 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78KE114 | 30.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 150 | 150 | 20 | 1,000 |
| 78KE115 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 30 | 300 |
| 78KE116 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78KE117 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 30 | 1,000 |
| 78MA001 | 50.0 | 30 | N | <15 | 50.0 | 15 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78MA002 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78MA003 | 30.0 | 50 | N | <15 | 15.0 | 15 | 10.0 | N | 100 | 70 | 20 | 200 |
| 78MA004 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78MA005 | 50.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 150 | 100 | 30 | 500 |
| 78MA006 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MA007 | 30.0 | 50 | N | 20 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MA008 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 78MA009 | 50.0 | 50 | N | <15 | 50.0 | 15 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78MA010 | 30.0 | 50 | N | N | 20.0 | 15 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78MA011 | 20.0 | 50 | N | <15 | 20.0 | 15 | 7.0 | N | 100 | 100 | 20 | 150 |
| 78MA012 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 78MA013 | 30.0 | 50 | N | N | 15.0 | 15 | 10.0 | N | 150 | 70 | 20 | 300 |
| 78MA014 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 300 |
| 78MA015 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78MA016 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 100 | 30 | 500 |
| 78MA017 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 100 | 30 | 500 |
| 78MA018 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 150 | 100 | 30 | 700 |
| 78MA019 | 50.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MA020 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78MA021 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 100 | 20 | 700 |
| 78MA022 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MA023 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MA024 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78MA025 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78MA026 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78MA027 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78MA028 | 46 26 9 | 89 40 45 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 5.0 | 50 |
| 78MA029 | 46 27 21 | 89 41 15 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | <3.0 | 70 |
| 78MA030 | 46 21 41 | 89 42 1 | 5.00 | .30 | .70 | .70 | 300 | N | 30 | 500.0 | <.7 | 5.0 | 70 |
| 78MA031 | 46 20 36 | 89 42 38 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 300.0 | <.7 | 5.0 | 100 |
| 78MA032 | 46 19 43 | 89 43 1 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 78MA033 | 46 18 16 | 89 44 6 | 3.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 50 |
| 78MA034 | 46 18 27 | 89 44 52 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 30 |
| 78MA035 | 46 17 3 | 89 44 22 | 3.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 78MA036 | 46 16 3 | 89 44 19 | .50 | .50 | .50 | .70 | 1,500 | N | 50 | 700.0 | 1.0 | 20.0 | 100 |
| 78MA037 | 46 18 33 | 89 42 16 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78MA038 | 46 16 28 | 89 31 39 | 3.00 | .50 | .70 | .50 | 700 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78MA039 | 46 17 9 | 89 32 44 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 70 |
| 78MA040 | 46 17 36 | 89 34 1 | 5.00 | .50 | .50 | .70 | 500 | N | 50 | 700.0 | <.7 | 15.0 | 70 |
| 78MA041 | 46 16 46 | 89 33 55 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 700.0 | <.7 | 20.0 | 100 |
| 78MA042 | 46 18 10 | 89 34 17 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 700.0 | <.7 | 20.0 | 70 |
| 78MA043 | 46 16 54 | 89 34 55 | 2.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 100 |
| 78MA044 | 46 16 15 | 89 35 44 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 70 |
| 78MA045 | 46 16 37 | 89 37 57 | 5.00 | .50 | .70 | 1.00 | 700 | N | 20 | 300.0 | <.7 | 20.0 | 100 |
| 78MA046 | 46 17 59 | 89 37 33 | 3.00 | .15 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | <3.0 | 50 |
| 78MA047 | 46 16 15 | 89 39 25 | 3.00 | .30 | .50 | .50 | 500 | N | 30 | 500.0 | 1.0 | 5.0 | 50 |
| 78MA048 | 46 15 39 | 89 40 54 | 3.00 | .50 | .70 | .70 | 700 | N | 50 | 700.0 | <.7 | 7.0 | 70 |
| 78MA049 | 46 16 24 | 89 40 55 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78MA050 | 46 17 25 | 89 40 48 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 300.0 | <.7 | 10.0 | 70 |
| 78MA051 | 46 23 3 | 89 35 34 | 5.00 | .30 | .50 | 1.00 | 500 | N | 100 | 200.0 | <.7 | 20.0 | 100 |
| 78MA052 | 46 21 36 | 89 36 3 | 3.00 | .30 | .70 | .50 | 300 | N | 50 | 300.0 | <.7 | 5.0 | 70 |
| 78MA053 | 46 20 41 | 89 36 59 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 300.0 | <.7 | 10.0 | 70 |
| 78MA054 | 46 19 45 | 89 37 38 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 300.0 | <.7 | 15.0 | 100 |
| 78MA055 | 46 19 14 | 89 37 14 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78MA056 | 46 15 40 | 89 31 38 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 78MA057 | 46 17 11 | 89 30 15 | 5.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78MA058 | 46 20 0 | 89 32 6 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78MA059 | 46 18 48 | 89 32 50 | 5.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78MA060 | 46 15 31 | 89 36 51 | 5.00 | .30 | .50 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78MA061 | 46 15 36 | 89 39 19 | 5.00 | .30 | .50 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78MA062 | 46 15 21 | 89 43 6 | 5.00 | .70 | .70 | .70 | 700 | N | 30 | 500.0 | 1.0 | 20.0 | 100 |
| 78MA063 | 46 15 33 | 89 42 35 | 5.00 | .50 | .70 | .70 | 700 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78MA064 | 46 21 33 | 89 40 13 | 7.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78MA065 | 46 24 44 | 89 37 47 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 78MA066 | 46 25 28 | 89 37 40 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 100 |
| 78MA067 | 46 26 16 | 89 38 3 | 3.00 | .30 | .70 | .70 | 500 | N | 50 | 300.0 | <.7 | 5.0 | 70 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78HA028 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA029 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78HA030 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA031 | 30.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78HA032 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA033 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78HA034 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 10 | 100 |
| 78HA035 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 78HA036 | 50.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78HA037 | 20.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 150 | 150 | 20 | 300 |
| 78HA038 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 78HA039 | 20.0 | 50 | N | N | 30.0 | 30 | 7.0 | N | 150 | 150 | 20 | 500 |
| 78HA040 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78HA041 | 30.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 150 | 150 | 20 | 700 |
| 78HA042 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78HA043 | 15.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 300 |
| 78HA044 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA045 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78HA046 | 20.0 | 50 | N | <15 | 10.0 | 30 | 7.0 | N | 100 | 150 | 20 | 700 |
| 78HA047 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 200 |
| 78HA048 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78HA049 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78HA050 | 20.0 | 50 | N | N | 30.0 | 15 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78HA051 | 50.0 | 30 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 150 | 20 | 300 |
| 78HA052 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78HA053 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA054 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78HA055 | 50.0 | 70 | N | N | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78HA056 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 150 | 15 | 500 |
| 78HA057 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA058 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA059 | 50.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78HA060 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78HA061 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78HA062 | 100.0 | 50 | N | N | 70.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78HA063 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78HA064 | 50.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78HA065 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78HA066 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78HA067 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 700 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78MA068 | 46 26 49 | 89 38 6 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 100 |
| 78MA069 | 46 20 0 | 89 42 7 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78MA100 | 46 29 58 | 89 43 25 | 3.00 | .70 | .30 | 1.00 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78MA101 | 46 29 9 | 89 43 28 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 78MA102 | 46 28 46 | 89 41 58 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78MA103 | 46 29 16 | 89 40 52 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 50 |
| 78MA104 | 46 28 32 | 89 43 13 | 3.00 | .70 | .30 | 1.00 | 700 | N | 70 | 500.0 | <.7 | 15.0 | 150 |
| 78MA105 | 46 27 44 | 89 41 43 | 3.00 | .70 | .50 | 1.00 | 500 | N | 70 | 500.0 | N | 15.0 | 70 |
| 78MA106 | 46 28 4 | 89 40 58 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | N | 10.0 | 70 |
| 78MA107 | 46 25 50 | 89 42 59 | 3.00 | .70 | .30 | .70 | 700 | N | 150 | 700.0 | N | 10.0 | 100 |
| 78MA108 | 46 26 14 | 89 43 34 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78MA109 | 46 26 59 | 89 43 23 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 50 |
| 78MA110 | 46 27 29 | 89 44 29 | 5.00 | .70 | .50 | 1.00 | 700 | N | 100 | 700.0 | N | 15.0 | 100 |
| 78MA111 | 46 26 55 | 89 40 22 | 1.50 | .70 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78MA112 | 46 27 1 | 89 38 52 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78MD001 | 46 33 40 | 89 29 19 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MD002 | 46 33 23 | 89 28 11 | 5.00 | .70 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 100 |
| 78MD003 | 46 32 3 | 89 28 4 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78MD004 | 46 32 2 | 89 26 52 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 100 |
| 78MD005 | 46 32 3 | 89 25 44 | 5.00 | 7.00 | .50 | .50 | 500 | N | 150 | 500.0 | 1.0 | 20.0 | 100 |
| 78MD006 | 46 31 15 | 89 25 43 | 5.00 | 7.00 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 20.0 | 100 |
| 78MD007 | 46 30 19 | 89 25 35 | 5.00 | .50 | .50 | .70 | 300 | N | 150 | 700.0 | <.7 | 15.0 | 100 |
| 78MD008 | 46 32 9 | 89 24 28 | 7.00 | .70 | .50 | .50 | 500 | N | 200 | 700.0 | <.7 | 30.0 | 150 |
| 78MD009 | 46 32 8 | 89 23 5 | 5.00 | .70 | .50 | .20 | 500 | N | 200 | 500.0 | 2.0 | 20.0 | 100 |
| 78MD010 | 46 32 9 | 89 21 49 | 5.00 | .50 | .50 | .50 | 200 | N | 150 | 500.0 | 1.5 | 15.0 | 100 |
| 78MD011 | 46 32 9 | 89 20 46 | 3.00 | .50 | .50 | .50 | 300 | N | 200 | 500.0 | 1.0 | 10.0 | 100 |
| 78MD012 | 46 32 2 | 89 19 22 | 7.00 | .70 | .50 | .70 | 500 | N | 150 | 700.0 | <.7 | 30.0 | 150 |
| 78MD013 | 46 31 15 | 89 19 23 | 5.00 | .70 | .50 | .50 | 700 | N | 150 | 500.0 | <.7 | 30.0 | 100 |
| 78MD014 | 46 30 24 | 89 19 24 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 30.0 | 100 |
| 78MD015 | 46 30 19 | 89 20 51 | 5.00 | .70 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78MD016 | 46 32 3 | 89 18 9 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 30.0 | 100 |
| 78MD017 | 46 31 16 | 89 17 20 | 5.00 | .10 | .50 | .50 | 500 | N | 150 | 500.0 | <.7 | 20.0 | 100 |
| 78MD018 | 46 30 23 | 89 15 41 | 5.00 | .50 | .30 | .70 | 500 | N | 150 | 700.0 | <.7 | 20.0 | 100 |
| 78MD019 | 46 31 11 | 89 15 39 | 7.00 | .70 | .50 | .50 | 700 | N | 200 | 700.0 | <.7 | 30.0 | 100 |
| 78MD020 | 46 32 3 | 89 15 36 | 5.00 | .50 | .30 | .70 | 700 | N | 150 | 500.0 | <.7 | 30.0 | 100 |
| 78MD021 | 46 32 55 | 89 15 48 | 7.00 | .70 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 30.0 | 150 |
| 78MD022 | 46 33 51 | 89 15 36 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78MD023 | 46 34 34 | 89 15 36 | 3.00 | .50 | .30 | .50 | 2,000 | N | 200 | 500.0 | 1.0 | 50.0 | 100 |
| 78MD024 | 46 35 21 | 89 15 37 | 5.00 | .50 | .70 | .70 | 300 | N | 200 | 500.0 | <.7 | 15.0 | 100 |
| 78MD025 | 46 35 18 | 89 16 56 | 3.00 | .70 | .50 | .30 | 500 | N | 200 | 500.0 | <.7 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78MA068 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78MA069 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78MA100 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 78MA101 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78MA102 | 50.0 | 30 | N | <15 | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78MA103 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78MA104 | 30.0 | 30 | N | N | 70.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78MA105 | 50.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78MA106 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78MA107 | 50.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78MA108 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78MA109 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78MA110 | 50.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78MA111 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 50 | 15 | 200 |
| 78MA112 | 50.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78MD001 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78MD002 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 200 |
| 78MD003 | 20.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78MD004 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78MD005 | 30.0 | 50 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 150 | 30 | 200 |
| 78MD006 | 30.0 | 50 | N | N | 70.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78MD007 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78MD008 | 50.0 | 50 | N | N | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 150 |
| 78MD009 | 30.0 | 50 | N | N | 70.0 | 20 | 10.0 | N | <70 | 100 | 30 | 70 |
| 78MD010 | 50.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 30 | 200 |
| 78MD011 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | <70 | 100 | 30 | 150 |
| 78MD012 | 50.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 78MD013 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78MD014 | 30.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 78MD015 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78MD016 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78MD017 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78MD018 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78MD019 | 30.0 | 50 | N | N | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 150 |
| 78MD020 | 30.0 | 50 | N | N | 50.0 | 20 | 15.0 | N | <70 | 150 | 30 | 200 |
| 78MD021 | 50.0 | 50 | N | N | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 200 |
| 78MD022 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78MD023 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | <70 | 100 | 30 | 200 |
| 78MD024 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | <70 | 100 | 30 | 300 |
| 78MD025 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|-------|-----|
| 78MD026 | 46 36 22 | 89 16 53 | 5.00 | .50 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78MD027 | 46 37 17 | 89 16 56 | 5.00 | .70 | .30 | .70 | 300 | N | 200 | 700.0 | <.7 | 20.0 | 150 |
| 78MD028 | 46 38 10 | 89 16 57 | 5.00 | .70 | .30 | .50 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78MD030 | 46 38 42 | 89 29 27 | 3.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78MD031 | 46 38 56 | 89 28 15 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78MD032 | 46 39 26 | 89 27 29 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78MD033 | 46 40 12 | 89 27 1 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78MD034 | 46 40 17 | 89 25 44 | 5.00 | .70 | .70 | .50 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78MD035 | 46 40 8 | 89 24 42 | 1.50 | .20 | .30 | .50 | 200 | N | 100 | 500.0 | <.7 | <3.0 | 50 |
| 78MD036 | 46 40 55 | 89 23 29 | 2.00 | .30 | .30 | .50 | 200 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78MD037 | 46 39 40 | 89 23 32 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 100 |
| 78MD038 | 46 39 37 | 89 23 7 | 7.00 | .50 | 1.00 | .70 | 700 | N | 20 | 300.0 | <.7 | 30.0 | 100 |
| 78MD039 | 46 40 45 | 89 21 58 | 2.00 | .30 | .50 | .70 | 200 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78MD040 | 46 40 12 | 89 22 35 | 3.00 | .30 | .50 | 1.00 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MD041 | 46 40 49 | 89 20 46 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 50 |
| 78MD042 | 46 40 49 | 89 19 33 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MD043 | 46 41 8 | 89 18 28 | 5.00 | .50 | .30 | .70 | 500 | N | 100 | 500.0 | <.7 | 30.0 | 100 |
| 78MD044 | 46 41 44 | 89 17 40 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78MD045 | 46 41 47 | 89 16 28 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 50 |
| 78MD046 | 46 41 45 | 89 15 7 | 3.00 | .50 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78MD047 | 46 35 25 | 89 23 43 | 5.00 | .70 | .50 | .70 | 500 | N | 200 | 500.0 | 1.5 | 15.0 | 100 |
| 78MD048 | 46 34 38 | 89 23 42 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78MD049 | 46 36 54 | 89 23 3 | 5.00 | .70 | .50 | .70 | 500 | N | 200 | 500.0 | <.7 | 30.0 | 150 |
| 78MD050 | 46 37 46 | 89 23 3 | 7.00 | .70 | .30 | .50 | 3,000 | N | 200 | 500.0 | <.7 | 150.0 | 150 |
| 78MD051 | 46 38 37 | 89 23 10 | 5.00 | .50 | .50 | 1.00 | 500 | N | 100 | 500.0 | N | 20.0 | 100 |
| 78MD052 | 46 42 2 | 89 22 53 | 3.00 | .70 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78MD053 | 46 43 4 | 89 23 4 | 5.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78MD058 | 46 43 44 | 89 22 43 | 5.00 | .50 | .50 | 1.00 | 700 | N | 50 | 500.0 | <.7 | 15.0 | 150 |
| 78MD059 | 46 44 36 | 89 22 32 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78MD060 | 46 44 15 | 89 23 54 | 7.00 | .50 | .70 | 1.00 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 100 |
| 78MD061 | 46 41 13 | 89 26 50 | 3.00 | .30 | .50 | 1.00 | 200 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MD062 | 46 42 6 | 89 26 48 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MD063 | 46 41 33 | 89 27 47 | 5.00 | .70 | .50 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 150 |
| 78MD064 | 46 42 55 | 89 26 49 | 3.00 | .50 | .70 | 1.00 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78MD065 | 46 43 56 | 89 26 33 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78MD066 | 46 44 57 | 89 26 52 | 5.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78MD067 | 46 44 32 | 89 19 44 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78MD068 | 46 43 57 | 89 18 49 | 5.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 20.0 | 100 |
| 78MD069 | 46 44 1 | 89 17 30 | 3.00 | .30 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78MD071 | 46 32 55 | 89 17 35 | 3.00 | 1.00 | .20 | .50 | 700 | N | 150 | 700.0 | 1.0 | 15.0 | 70 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Cu | La | Mo | lib | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|----------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78MD0126 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 78MD0127 | 30.0 | 70 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 150 |
| 78MD0128 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78MD0129 | 30.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78MD0130 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78MD0131 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78MD0132 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78MD0133 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78MD0134 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78MD0135 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78MD0136 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78MD0137 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78MD0138 | 70.0 | 70 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78MD0139 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 78MD0140 | 30.0 | 50 | N | <15 | 30.0 | 15 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78MD0141 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78MD0142 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MD0143 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78MD0144 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 20 | 300 |
| 78MD0145 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 200 | 100 | 20 | 500 |
| 78MD0146 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78MD0147 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78MD0148 | 30.0 | 50 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78MD0149 | 50.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 20 | 200 |
| 78MD0150 | 30.0 | 50 | N | <15 | 50.0 | 50 | 15.0 | N | 100 | 150 | 20 | 200 |
| 78MD0151 | 50.0 | 30 | N | <15 | 30.0 | 20 | 15.0 | N | 100 | 200 | 20 | 200 |
| 78MD0152 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78MD0153 | 50.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78MD0154 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78MD0155 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78MD0156 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78MD0157 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MD0158 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MD0159 | 20.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78MD0160 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78MD0161 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78MD0162 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78MD0163 | 50.0 | 30 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 700 |
| 78MD0164 | 50.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78MD0165 | 70.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78MD0166 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78MD0167 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 78MD0168 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 78MD0169 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78MD0170 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 78ND072 | 46 34 1 | 89 17 26 | 3.00 | 1.00 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 78ND073 | 46 35 19 | 89 20 0 | 3.00 | 1.00 | .30 | .50 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 78ND074 | 46 34 45 | 89 19 39 | 3.00 | 1.00 | .30 | .50 | 700 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 78ND075 | 46 33 47 | 89 19 29 | 2.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78ND076 | 46 33 57 | 89 21 50 | 3.00 | 1.00 | .30 | .70 | 700 | N | 70 | 1,000.0 | <.7 | 15.0 | 70 |
| 78ND077 | 46 33 46 | 89 25 32 | 3.00 | 1.00 | .20 | .30 | 700 | N | 150 | 1,000.0 | 1.0 | 15.0 | 100 |
| 78ND078 | 46 34 44 | 89 26 50 | 3.00 | 1.00 | .20 | .70 | 500 | N | 150 | 700.0 | 1.5 | 15.0 | 100 |
| 78ND079 | 46 35 34 | 89 26 7 | 3.00 | 1.00 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78ND080 | 46 34 19 | 89 28 1 | 2.00 | .70 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78ND081 | 46 24 53 | 88 29 27 | 2.00 | .20 | .20 | .30 | 300 | N | 50 | 1,000.0 | <.7 | <3.0 | 30 |
| 78HL002 | 46 23 53 | 88 28 33 | 3.00 | .70 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 78HL003 | 46 24 2 | 88 27 34 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78HL004 | 46 23 0 | 88 28 25 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78HL005 | 46 22 14 | 88 28 5 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78HL006 | 46 21 20 | 88 27 46 | 2.00 | .30 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78HL007 | 46 20 29 | 88 27 46 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78HL008 | 46 19 35 | 88 27 53 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78HL009 | 46 18 34 | 88 27 56 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78HL010 | 46 18 3 | 88 28 6 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78ON031 | 46 45 47 | 89 27 16 | 5.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 20.0 | 100 |
| 78ON002 | 46 46 35 | 89 26 20 | 2.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78ON003 | 46 47 32 | 89 25 1 | 2.00 | 3.00 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78ON004 | 46 48 25 | 89 25 0 | 3.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78ON005 | 46 49 18 | 89 25 0 | 5.00 | .50 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78ON006 | 46 50 11 | 89 25 9 | 3.00 | .30 | .70 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 50 |
| 78ON007 | 46 50 12 | 89 27 13 | 7.00 | .30 | .50 | 1.00 | 700 | N | 200 | 500.0 | <.7 | 15.0 | 100 |
| 78ON008 | 46 50 7 | 89 28 31 | 3.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78ON019 | 46 50 10 | 89 29 51 | 2.00 | .20 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 30 |
| 78ON010 | 46 51 44 | 89 20 39 | 5.00 | .30 | .50 | .70 | 500 | N | 30 | 500.0 | <.7 | 15.0 | 100 |
| 78ON011 | 46 50 53 | 89 20 39 | 1.50 | .15 | .30 | .70 | 150 | N | 50 | 500.0 | <.7 | 5.0 | 50 |
| 78ON012 | 46 49 59 | 89 20 45 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 50 |
| 78ON013 | 46 49 10 | 89 20 47 | 3.00 | .30 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 50 |
| 78ON014 | 46 48 15 | 89 21 4 | 3.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78ON015 | 46 47 25 | 89 21 13 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78ON016 | 46 46 36 | 89 21 46 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78ON017 | 46 45 40 | 89 22 3 | 5.00 | .70 | 2.00 | .70 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78ON018 | 46 45 8 | 89 20 34 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78ON019 | 46 50 46 | 89 23 58 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78ON020 | 46 51 10 | 89 22 50 | 7.00 | .20 | .50 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 78ON021 | 46 51 28 | 89 21 38 | 1.00 | .15 | .20 | .30 | 150 | N | 70 | 700.0 | N | <3.0 | 20 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|--------|
| 78MD072 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | <70 | 100 | 20 | 200 |
| 78MD073 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | <70 | 70 | 20 | 200 |
| 78MD074 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78MD075 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78MD076 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78MD077 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78MD078 | 50.0 | 50 | N | N | 50.0 | 30 | 15.0 | N | 100 | 100 | 20 | 150 |
| 78MD079 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78MD080 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78NL001 | 10.0 | 50 | N | N | 5.0 | 15 | 5.0 | N | 100 | 70 | 20 | 100 |
| 78NL002 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78NL003 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78NL004 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | <70 | 100 | 20 | 700 |
| 78NL005 | 15.0 | 50 | N | <15 | 10.0 | 50 | 7.0 | N | 100 | 100 | 20 | >1,500 |
| 78NL006 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78NL007 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78NL008 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78NL009 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78NL010 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78ON001 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78ON002 | 30.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78ON003 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78ON004 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 700 |
| 78ON005 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78ON006 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 200 |
| 78ON007 | 30.0 | <15 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 300 | 20 | 1,000 |
| 78ON008 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 78ON009 | 15.0 | 50 | N | N | 7.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78ON010 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 700 |
| 78ON011 | 15.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 100 | 10 | 500 |
| 78ON012 | 20.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78ON013 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78ON014 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78ON015 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78ON016 | 20.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78ON017 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78ON018 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78ON019 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78ON020 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78ON021 | 10.0 | 50 | N | N | <3.0 | 20 | 5.0 | N | 100 | 50 | 10 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78PH022 | 46 50 36 | 89 18 23 | 2.00 | .15 | .20 | .50 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78PH023 | 46 49 20 | 89 17 9 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH024 | 46 43 40 | 89 16 22 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78PH025 | 46 47 58 | 89 16 13 | 3.00 | .50 | .50 | .70 | 300 | N | 150 | 700.0 | <.7 | 10.0 | 70 |
| 78PH026 | 46 47 10 | 89 15 6 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78PH027 | 46 50 10 | 89 16 20 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH028 | 46 51 3 | 89 16 20 | 2.00 | .50 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78PH029 | 46 52 2 | 89 16 19 | 2.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH030 | 46 52 51 | 89 16 12 | 3.00 | .70 | .50 | 1.00 | 700 | N | 100 | 500.0 | <.7 | 20.0 | 150 |
| 78PH031 | 46 14 15 | 89 5 15 | 3.00 | .30 | .70 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 100 |
| 78PH032 | 46 13 46 | 89 4 21 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78PH033 | 46 13 55 | 89 2 46 | 3.00 | .30 | .70 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78PH034 | 46 14 43 | 89 2 57 | 3.00 | .30 | .50 | .30 | 300 | N | 150 | 500.0 | N | 7.0 | 100 |
| 78PH035 | 46 13 17 | 89 3 18 | 2.00 | .20 | .30 | .50 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78PH036 | 46 12 46 | 89 2 17 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78PH037 | 46 12 18 | 89 1 16 | 2.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | N | 7.0 | 70 |
| 78PH038 | 46 12 47 | 89 0 4 | 3.00 | .30 | .50 | 1.00 | 300 | N | 30 | 300.0 | <.7 | 10.0 | 70 |
| 78PH039 | 46 11 42 | 89 0 14 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78PH040 | 46 12 5 | 89 2 28 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78PH041 | 46 11 42 | 89 3 40 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH042 | 46 12 30 | 89 4 2 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH043 | 46 13 6 | 89 5 25 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78PH044 | 46 11 43 | 89 4 58 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 300.0 | <.7 | 10.0 | 70 |
| 78PH045 | 46 10 57 | 89 5 44 | 5.00 | .50 | .50 | 1.00 | 500 | N | 20 | 500.0 | <.7 | 15.0 | 200 |
| 78PH046 | 46 11 22 | 89 6 51 | 3.00 | .30 | .50 | .50 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78PH047 | 46 11 59 | 89 7 27 | 2.00 | .20 | .50 | .50 | 300 | N | 50 | 500.0 | N | 7.0 | 50 |
| 78PH048 | 46 10 22 | 89 7 3 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78PH049 | 46 9 44 | 89 7 11 | 2.00 | .20 | .30 | .30 | 500 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 78PH050 | 46 9 12 | 89 5 29 | 3.00 | .30 | .50 | .50 | 200 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78PH051 | 46 10 14 | 89 5 4 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78PH052 | 46 9 57 | 89 3 44 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78PH053 | 46 9 58 | 89 2 40 | 3.00 | .30 | .50 | .70 | 200 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH054 | 46 10 17 | 89 1 31 | 3.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78PH055 | 46 10 33 | 89 0 16 | 2.00 | .20 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78PH056 | 46 8 54 | 89 2 18 | 3.00 | .30 | .50 | .70 | 200 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78PH057 | 46 8 5 | 89 2 39 | 3.00 | .50 | .50 | .70 | 300 | N | 30 | 500.0 | <.7 | 15.0 | 70 |
| 78PH058 | 46 7 25 | 89 2 36 | 1.50 | .15 | .20 | .50 | 150 | N | 50 | 300.0 | <.7 | 5.0 | 30 |
| 78PH059 | 46 7 27 | 89 1 23 | 2.00 | .50 | .30 | .50 | 150 | N | 50 | 500.0 | <.7 | 7.0 | 50 |
| 78PH060 | 46 6 56 | 89 0 3 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH061 | 46 7 38 | 89 0 11 | 2.00 | .50 | .30 | .50 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 780N022 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | 10 | 100 | 100 | 15 | 300 |
| 780N023 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 780N024 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 780N025 | 20.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 780N026 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 780N027 | 30.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 200 |
| 780N028 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 300 |
| 780N029 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 150 | 100 | 20 | 700 |
| 780N030 | 50.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 200 | 50 | 700 |
| 78PH001 | 50.0 | 70 | N | N | 20.0 | 20 | 10.0 | N | 150 | 150 | 50 | 500 |
| 78PH002 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 15 | 200 |
| 78PH003 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 300 |
| 78PH004 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78PH005 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | <70 | 70 | 15 | 200 |
| 78PH006 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 15 | 200 |
| 78PH007 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 15 | 300 |
| 78PH008 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | <70 | 150 | 20 | 700 |
| 78PH009 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | <70 | 100 | 15 | 200 |
| 78PH010 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78PH011 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 500 |
| 78PH012 | 30.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 20 | 200 |
| 78PH013 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PH014 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PH015 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78PH016 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78PH017 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78PH018 | 30.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78PH019 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 78PH020 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 78PH021 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 78PH026 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PH027 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78PH028 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78PH029 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PH030 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78PH031 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78PH032 | 15.0 | 50 | N | N | 15.0 | 10 | 5.0 | N | <70 | 50 | 15 | 150 |
| 78PH033 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78PH034 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 78PH035 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 70 | 20 | 500 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Al % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|----|
| 78PH036 | 46 7 3 | 89 7 59 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 50 |
| 78PH037 | 46 7 12 | 89 6 49 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH038 | 46 7 27 | 89 5 34 | 2.00 | .20 | .30 | .50 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 50 |
| 78PH039 | 46 7 12 | 89 4 11 | 2.00 | .30 | .20 | .70 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78PH040 | 46 7 44 | 89 3 55 | 2.00 | .30 | .30 | .50 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 50 |
| 78PH041 | 46 6 29 | 89 6 47 | 2.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 30 |
| 78PH042 | 46 6 14 | 89 5 9 | 1.50 | .15 | .20 | .50 | 200 | N | 70 | 500.0 | N | 7.0 | 50 |
| 78PH043 | 46 5 22 | 89 4 24 | 2.00 | .30 | .30 | .50 | 1,000 | N | 50 | 500.0 | N | 10.0 | 50 |
| 78PH044 | 46 6 25 | 89 4 13 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | N | 7.0 | 50 |
| 78PH045 | 46 5 3 | 89 7 13 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | N | 10.0 | 50 |
| 78PH046 | 46 5 29 | 89 9 8 | 2.00 | .20 | .15 | .50 | 300 | N | 100 | 500.0 | N | 7.0 | 50 |
| 78PH047 | 46 34 52 | 89 30 27 | 2.00 | .30 | .20 | .50 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH048 | 46 4 24 | 89 7 9 | 2.00 | .30 | .20 | .50 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78PH049 | 46 3 50 | 89 3 19 | 3.00 | .20 | .20 | .70 | 500 | N | 20 | 300.0 | N | 10.0 | 50 |
| 78PH050 | 46 3 45 | 89 10 16 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78PH051 | 46 3 20 | 89 11 28 | 3.00 | .20 | .20 | .50 | 300 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78PH052 | 46 3 29 | 89 13 35 | 1.50 | .20 | .30 | .30 | 300 | N | 30 | 500.0 | N | 7.0 | 30 |
| 78PH053 | 46 3 9 | 89 15 1 | 1.50 | .20 | .20 | .30 | 300 | N | 70 | 500.0 | N | 5.0 | 30 |
| 78PH054 | 46 2 35 | 89 11 33 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | N | 7.0 | 50 |
| 78PH055 | 46 1 37 | 89 11 34 | 2.00 | .20 | .30 | .70 | 300 | N | 70 | 500.0 | N | 10.0 | 50 |
| 78PH056 | 46 1 34 | 89 12 40 | 3.00 | .30 | .30 | .50 | 500 | N | 50 | 300.0 | 1.0 | 10.0 | 70 |
| 78PH057 | 46 1 25 | 89 13 57 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78PH058 | 46 1 29 | 89 14 56 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH059 | 46 0 1 | 89 14 57 | 1.50 | .20 | .30 | .30 | 300 | N | 70 | 500.0 | N | 5.0 | 50 |
| 78PH060 | 46 0 14 | 89 13 20 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 700.0 | N | 10.0 | 70 |
| 78PH061 | 46 0 26 | 89 12 16 | 2.00 | .30 | .30 | .50 | 500 | N | 70 | 500.0 | N | 10.0 | 50 |
| 78PH062 | 46 0 40 | 89 10 23 | 1.50 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | N | 7.0 | 50 |
| 78PH063 | 46 1 31 | 89 9 16 | 3.00 | .30 | .30 | .70 | 300 | N | 30 | 500.0 | N | 7.0 | 70 |
| 78PH064 | 46 2 2 | 89 8 3 | 2.00 | .30 | .20 | .50 | 500 | N | 50 | 500.0 | N | 10.0 | 50 |
| 78PH065 | 46 2 46 | 89 6 51 | 2.00 | .30 | .20 | .50 | 700 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78PH066 | 46 3 44 | 89 5 47 | 3.00 | .30 | .30 | .50 | 500 | N | 50 | 300.0 | N | 10.0 | 70 |
| 78PH067 | 46 2 29 | 89 5 59 | 2.00 | .30 | .30 | .50 | 300 | N | 30 | 500.0 | N | 7.0 | 70 |
| 78PH068 | 46 1 26 | 89 5 47 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | N | 7.0 | 50 |
| 78PH069 | 46 0 42 | 89 6 12 | 2.00 | .30 | .30 | .50 | 500 | N | 70 | 500.0 | N | 7.0 | 50 |
| 78PH070 | 46 0 4 | 89 4 33 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | N | 7.0 | 50 |
| 78PH071 | 46 1 5 | 89 4 36 | 2.00 | .20 | .20 | .30 | 300 | N | 70 | 500.0 | N | 7.0 | 30 |
| 78PH072 | 46 1 58 | 89 4 42 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH073 | 46 2 51 | 89 4 56 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78PH074 | 46 1 51 | 89 3 36 | 3.00 | .30 | .30 | .50 | 500 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78PH075 | 46 1 24 | 89 3 2 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 700.0 | N | 10.0 | 50 |

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|----|------|----|------|----|-----|-----|----|-----|
| 78PH036 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PH037 | 20.0 | 30 | N | N | 20.0 | 15 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78PH038 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PH039 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PH040 | 20.0 | 50 | N | N | 15.0 | 15 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PH041 | 20.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78PH042 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PH043 | 30.0 | 20 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78PH044 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PH045 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78PH046 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78PH047 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78PH048 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 10 | 150 |
| 78PH049 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 15 | 200 |
| 78PH050 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PH051 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78PH052 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 10 | 100 |
| 78PH053 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 10 | 70 |
| 78PH054 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78PH055 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78PH056 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 15 | 300 |
| 78PH057 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH058 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PH059 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 10 | 100 |
| 78PH060 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PH061 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78PH062 | 20.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78PH063 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 78PH064 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH065 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH066 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78PH067 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 70 | 15 | 300 |
| 78PH068 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78PH069 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78PH070 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78PH071 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 10 | 150 |
| 78PH072 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 70 | 300 |
| 78PH073 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78PH074 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78PH075 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78PH076 | 46 0 16 | 89 2 33 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78PH077 | 46 0 44 | 89 0 39 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | N | 10.0 | 50 |
| 78PH078 | 46 2 11 | 89 2 13 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 500.0 | N | 7.0 | 70 |
| 78PH079 | 46 2 13 | 89 0 26 | 3.00 | .20 | .50 | .30 | 500 | N | 100 | 500.0 | N | 10.0 | 70 |
| 78PH080 | 46 3 26 | 89 1 55 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 700.0 | N | 10.0 | 100 |
| 78PH081 | 46 1 20 | 89 7 15 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | N | 15.0 | 100 |
| 78PH082 | 46 0 53 | 89 7 49 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78PH083 | 46 0 34 | 89 8 45 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH084 | 46 5 1 | 89 0 25 | 3.00 | .20 | .30 | .70 | 300 | N | 100 | 500.0 | N | 5.0 | 100 |
| 78PH085 | 46 4 32 | 89 1 26 | 2.00 | .20 | .20 | .70 | 200 | N | 70 | 500.0 | N | 5.0 | 70 |
| 78PH086 | 46 4 24 | 89 3 44 | 3.00 | .30 | .20 | .70 | 500 | N | 100 | 500.0 | N | 7.0 | 70 |
| 78PH087 | 46 3 21 | 89 3 55 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 78PH088 | 46 4 38 | 89 2 24 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | N | 7.0 | 70 |
| 78PH089 | 46 5 31 | 89 2 14 | 2.00 | .15 | .20 | .70 | 700 | N | 100 | 500.0 | N | 7.0 | 70 |
| 78PH090 | 46 6 33 | 89 1 41 | 2.00 | .30 | .30 | .30 | 300 | N | 70 | 700.0 | <.7 | 5.0 | 70 |
| 78PH200 | 46 14 12 | 89 10 47 | 2.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78PH201 | 46 13 16 | 89 10 47 | 2.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | N | 7.0 | 70 |
| 78PH202 | 46 13 20 | 89 9 24 | 3.00 | .30 | .50 | .50 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78PH203 | 46 12 15 | 89 10 37 | 2.00 | .20 | .50 | .50 | 200 | N | 150 | 500.0 | <.7 | 7.0 | 50 |
| 78PH204 | 46 11 11 | 89 11 11 | 3.00 | .30 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 100 |
| 78PH205 | 46 10 19 | 89 11 40 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78PH206 | 46 10 18 | 89 10 36 | 2.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 50 |
| 78PH207 | 46 10 32 | 89 9 15 | 2.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78PH208 | 46 11 29 | 89 8 26 | 1.50 | .30 | .50 | .15 | 200 | N | 100 | 500.0 | N | 7.0 | 70 |
| 78PH209 | 46 12 16 | 89 8 40 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78PH210 | 46 10 31 | 89 7 54 | 3.00 | .50 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 150 |
| 78PH212 | 46 8 30 | 89 9 24 | 3.00 | .20 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78PH213 | 46 7 6 | 89 9 14 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78PH214 | 46 6 8 | 89 10 41 | 1.50 | .30 | .50 | .30 | 300 | N | 100 | 500.0 | N | 7.0 | 70 |
| 78PH215 | 46 5 14 | 89 10 21 | 3.00 | .20 | .50 | .30 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78PH216 | 46 4 33 | 89 11 47 | 2.00 | .30 | .50 | .50 | 300 | N | 200 | 500.0 | <.7 | 15.0 | 70 |
| 78PH217 | 46 4 59 | 89 13 21 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78PH218 | 46 5 19 | 89 14 24 | .20 | .05 | .15 | .50 | 150 | N | 50 | 500.0 | <.7 | <3.0 | <7 |
| 78PH219 | 46 6 5 | 89 13 44 | 2.00 | .20 | .50 | .50 | 300 | N | 10 | 500.0 | <.7 | 5.0 | 50 |
| 78PH220 | 46 6 59 | 89 13 5 | 1.50 | .20 | .50 | .20 | 300 | N | 10 | 500.0 | <.7 | 5.0 | 50 |
| 78PH221 | 46 7 35 | 89 12 18 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 50 |
| 78PH222 | 46 7 39 | 89 10 45 | 1.50 | .20 | .30 | .50 | 300 | N | 30 | 500.0 | N | 7.0 | 50 |
| 78PH223 | 46 8 29 | 89 12 23 | 3.00 | .30 | .50 | .50 | 500 | N | 30 | 500.0 | <.7 | 15.0 | 100 |
| 78PH224 | 46 9 19 | 89 12 16 | 3.00 | .30 | .50 | .50 | 300 | N | 30 | 500.0 | N | 10.0 | 70 |
| 78PH225 | 46 9 21 | 89 14 26 | 3.00 | .30 | .50 | .50 | 500 | N | 20 | 500.0 | <.7 | 15.0 | 70 |

D-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Ind | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78PH076 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH077 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH078 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH079 | 20.0 | 20 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78PH080 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 78PH081 | 20.0 | 30 | N | <15 | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78PH082 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78PH083 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PH084 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78PH085 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 500 |
| 78PH086 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PH087 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH088 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PH089 | 20.0 | 50 | N | N | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PH090 | 20.0 | 30 | N | N | 20.0 | 15 | 7.0 | N | 500 | 70 | 15 | 200 |
| 78PH200 | 20.0 | 50 | N | 20 | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 500 |
| 78PH201 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 150 |
| 78PH202 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 200 |
| 78PH203 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78PH204 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 500 |
| 78PH205 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78PH206 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 50 | 15 | 200 |
| 78PH207 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78PH208 | 20.0 | 50 | N | N | 15.0 | 30 | <3.0 | N | 100 | 30 | <7 | 50 |
| 78PH209 | 20.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 70 | 20 | 500 |
| 78PH210 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 500 |
| 78PH212 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 700 |
| 78PH213 | 15.0 | 50 | N | N | 15.0 | 30 | 7.0 | N | 100 | 50 | 20 | 150 |
| 78PH214 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 50 | 20 | 150 |
| 78PH215 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78PH216 | 15.0 | 20 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78PH217 | 15.0 | 20 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 1,000 |
| 78PH218 | <3.0 | 50 | N | N | <3.0 | 20 | <3.0 | N | 100 | 20 | 10 | 150 |
| 78PH219 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 10 | 100 |
| 78PH220 | 10.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 10 | 70 |
| 78PH221 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 15 | 500 |
| 78PH222 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 50 | 15 | 100 |
| 78PH223 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PH224 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 150 |
| 78PH225 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 78PH226 | 46 7 45 | 89 14 31 | 2.00 | .30 | .50 | .30 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 50 |
| 78PH227 | 46 10 30 | 89 13 8 | 3.00 | .30 | .50 | .50 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78PH228 | 46 11 20 | 89 13 47 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78PH229 | 46 12 13 | 89 14 16 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78PH230 | 46 13 6 | 89 14 14 | 2.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 50 |
| 78PH231 | 46 14 7 | 39 13 58 | 3.00 | .20 | .30 | .30 | 300 | N | 50 | 300.0 | 1.0 | 10.0 | 50 |
| 78PH232 | 46 13 8 | 39 12 30 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78PH233 | 46 11 39 | 89 12 37 | 2.00 | .20 | .30 | .30 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 78PL011 | 46 15 13 | 88 44 4 | 3.00 | .30 | .30 | 1.00 | 300 | N | 70 | 700.0 | N | 10.0 | 70 |
| 78PL012 | 46 15 9 | 88 42 40 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 700.0 | N | 5.0 | 70 |
| 78PL013 | 46 16 6 | 88 42 3 | 3.00 | .30 | .50 | 1.00 | 3,000 | N | 50 | 700.0 | <.7 | 10.0 | 70 |
| 78PL004 | 46 16 44 | 88 41 20 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78PL005 | 46 16 52 | 88 40 7 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78PL006 | 46 15 59 | 38 38 56 | 3.00 | .30 | .30 | >1.50 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78PL017 | 46 15 3 | 88 37 49 | 1.50 | .30 | .20 | .50 | 300 | N | 50 | 700.0 | N | 7.0 | 50 |
| 78PL008 | 46 15 46 | 38 37 47 | 1.50 | .50 | .30 | .70 | 300 | N | 50 | 1,000.0 | N | 7.0 | 50 |
| 78PL009 | 46 15 56 | 88 36 38 | 2.00 | .50 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 78PL010 | 46 17 48 | 88 39 54 | 3.00 | .50 | .50 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL011 | 46 17 51 | 88 38 41 | 3.00 | .30 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL012 | 46 18 32 | 38 38 28 | 3.00 | .20 | .15 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL013 | 46 19 24 | 88 38 43 | 3.00 | .70 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL014 | 46 19 13 | 88 37 16 | 3.00 | .70 | .20 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL015 | 46 18 46 | 88 36 8 | 3.00 | .30 | .20 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL016 | 46 17 46 | 88 35 31 | 3.00 | .50 | .20 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL017 | 46 17 12 | 88 34 24 | 3.00 | .30 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL018 | 46 16 4 | 88 33 57 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL019 | 46 15 33 | 88 35 12 | 2.00 | .50 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL020 | 46 15 10 | 38 32 55 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL021 | 46 16 24 | 88 31 56 | 3.00 | .30 | .20 | .70 | 300 | N | 70 | 1,500.0 | <.7 | 5.0 | 70 |
| 78PL022 | 46 18 27 | 88 43 34 | 3.00 | .50 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL023 | 46 18 43 | 38 42 12 | 5.00 | .30 | .20 | .70 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 100 |
| 78PL024 | 46 18 13 | 88 43 12 | 3.00 | .20 | .15 | 1.00 | 200 | N | 70 | 1,000.0 | N | <3.0 | 70 |
| 78PL025 | 46 17 45 | 88 43 36 | 3.00 | .30 | .20 | 1.00 | 500 | N | 50 | 1,000.0 | N | 10.0 | 100 |
| 78PL026 | 46 18 20 | 88 44 16 | 3.00 | .30 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 70 |
| 78PL027 | 46 19 16 | 38 41 10 | 3.00 | .30 | .20 | .70 | 300 | N | 200 | 700.0 | <.7 | 10.0 | 70 |
| 78PL028 | 46 19 57 | 88 42 10 | 3.00 | .30 | .20 | .70 | 300 | N | 200 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL029 | 46 20 26 | 38 43 16 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78PL030 | 46 19 55 | 38 44 17 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL031 | 46 21 15 | 38 44 43 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL032 | 46 21 21 | 88 42 41 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78PH226 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78PH227 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 15 | 150 |
| 78PH228 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PH229 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PH230 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PH231 | 20.0 | 50 | N | N | 15.0 | 15 | 7.0 | N | 100 | 70 | 20 | 150 |
| 78PH232 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78PH233 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 50 | 15 | 150 |
| 78PL001 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78PL002 | 20.0 | 70 | N | N | 20.0 | 20 | 5.0 | N | 100 | 150 | 15 | 700 |
| 78PL003 | 30.0 | 50 | N | N | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78PL004 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78PL005 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL006 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78PL007 | 15.0 | 30 | N | N | 15.0 | 15 | 5.0 | N | 100 | 70 | 10 | 150 |
| 78PL008 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PL009 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78PL010 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL011 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78PL012 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78PL013 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL014 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PL015 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78PL016 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL017 | 15.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL018 | 20.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL019 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 78PL020 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78PL021 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL022 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL023 | 30.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 15 | 200 |
| 78PL024 | 15.0 | 50 | N | <15 | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL025 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78PL026 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78PL027 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78PL028 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78PL029 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL030 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78PL031 | 15.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 50 | 300 |
| 78PL032 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 1,000 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 78PL033 | 46 22 9 | 88 41 55 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL034 | 46 21 48 | 88 40 36 | 5.00 | .50 | .20 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 100 |
| 78PL035 | 46 22 42 | 88 42 46 | 3.00 | .50 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL036 | 46 23 42 | 88 43 17 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78PL037 | 46 23 50 | 88 44 22 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 78PL038 | 46 22 37 | 88 44 43 | 3.00 | .20 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | N | <3.0 | 50 |
| 78PL039 | 46 20 24 | 88 35 5 | 1.50 | .50 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL040 | 46 20 26 | 88 36 35 | 3.00 | .50 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL041 | 46 21 18 | 88 36 31 | 3.00 | .50 | .20 | .50 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78PL042 | 46 22 48 | 88 39 8 | 2.00 | .30 | .20 | .70 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL043 | 46 23 8 | 88 40 19 | 3.00 | .50 | .20 | .70 | 300 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78PL044 | 46 22 50 | 88 41 29 | 3.00 | .50 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL045 | 46 21 56 | 88 38 32 | 2.00 | .20 | .20 | 1.00 | 300 | N | 70 | 1,000.0 | N | <3.0 | 50 |
| 78PL046 | 46 21 7 | 88 38 58 | 2.00 | .15 | .20 | .70 | 200 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 78PL047 | 46 20 12 | 88 38 52 | 2.00 | .20 | .20 | .70 | 300 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 78PL048 | 46 23 34 | 88 38 9 | 2.00 | .20 | .20 | .70 | 300 | N | 50 | 1,000.0 | N | 7.0 | 70 |
| 78PL049 | 46 24 37 | 88 43 1 | 1.50 | .15 | .20 | .50 | 300 | N | 50 | 1,000.0 | N | 5.0 | 30 |
| 78PL050 | 46 25 41 | 88 43 9 | 2.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 50 |
| 78PL051 | 46 25 56 | 88 44 22 | 2.00 | .20 | .20 | 1.00 | 300 | N | 70 | 1,000.0 | N | 10.0 | 100 |
| 78PL052 | 46 26 33 | 88 43 15 | 2.00 | .20 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78PL053 | 46 27 30 | 88 43 8 | 2.00 | .20 | .15 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL054 | 46 28 25 | 88 43 10 | 3.00 | .30 | .30 | .70 | 500 | N | 30 | 1,000.0 | <.7 | 10.0 | 50 |
| 78PL055 | 46 28 14 | 88 44 24 | 3.00 | .20 | .30 | 1.00 | 1,000 | N | 70 | 1,000.0 | <.7 | 10.0 | 50 |
| 78PL056 | 46 29 10 | 88 43 18 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 10.0 | 30 |
| 78PL057 | 46 29 50 | 88 42 38 | .70 | .15 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | N | 20 |
| 78PL058 | 46 28 13 | 88 42 4 | 1.50 | .15 | .20 | .30 | 300 | N | 50 | 1,000.0 | <.7 | <3.0 | 20 |
| 78PL059 | 46 28 24 | 88 40 51 | 2.00 | .50 | .07 | .15 | 200 | N | 30 | 300.0 | N | 7.0 | 100 |
| 78PL060 | 46 28 32 | 88 39 34 | 2.00 | .20 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 78PL061 | 46 29 29 | 88 39 27 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL062 | 46 27 36 | 88 39 32 | 3.00 | .30 | .20 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL063 | 46 26 47 | 88 39 53 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 700.0 | N | 10.0 | 70 |
| 78PL064 | 46 25 35 | 88 39 38 | 3.00 | .30 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | N | 10.0 | 70 |
| 78PL065 | 46 24 55 | 88 39 4 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | 1.0 | 10.0 | 70 |
| 78PL066 | 46 26 1 | 88 40 40 | 3.00 | .70 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL067 | 46 25 4 | 88 40 54 | 1.50 | .15 | .30 | .20 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL068 | 46 25 36 | 88 41 58 | 2.00 | .20 | .20 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 30 |
| 78PL069 | 46 29 43 | 88 37 13 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 78PL070 | 46 29 58 | 88 35 41 | 3.00 | .70 | 1.50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL071 | 46 29 50 | 88 34 27 | 2.00 | .20 | 2.00 | .70 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 50 |
| 78PL072 | 46 29 31 | 88 33 20 | 3.00 | .70 | 2.00 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78PL033 | 20.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 700 |
| 78PL034 | 30.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78PL035 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78PL036 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 1,000 |
| 78PL037 | 20.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 1,000 |
| 78PL038 | 15.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 100 | 15 | 700 |
| 78PL039 | 20.0 | 70 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL040 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL041 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 200 |
| 78PL042 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78PL043 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 100 |
| 78PL044 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78PL045 | 15.0 | 70 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL046 | 10.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78PL047 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PL048 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78PL049 | 10.0 | 50 | N | N | 10.0 | 15 | 5.0 | N | <70 | 70 | 10 | 100 |
| 78PL050 | 20.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78PL051 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL052 | 20.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 500 |
| 78PL053 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | <70 | 70 | 15 | 300 |
| 78PL054 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 78PL055 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL056 | 15.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78PL057 | 10.0 | 70 | N | N | 5.0 | 30 | 5.0 | N | 100 | 50 | 15 | 150 |
| 78PL058 | 7.0 | 70 | N | N | 5.0 | 20 | 5.0 | N | <70 | 70 | 15 | 100 |
| 78PL059 | 20.0 | <15 | N | N | 30.0 | 20 | 5.0 | N | N | 30 | <7 | 30 |
| 78PL060 | 15.0 | 50 | N | N | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL061 | 15.0 | 50 | N | N | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL062 | 10.0 | 50 | N | N | 10.0 | 15 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL063 | 20.0 | 50 | N | N | 30.0 | 15 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78PL064 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78PL065 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 78PL066 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78PL067 | 15.0 | 50 | N | N | 10.0 | 20 | <3.0 | N | <70 | 50 | 10 | 70 |
| 78PL068 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | <70 | 70 | 15 | 150 |
| 78PL069 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | <70 | 70 | 20 | 500 |
| 78PL070 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | <70 | 100 | 20 | 200 |
| 78PL071 | 15.0 | 50 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL072 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|------------|------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 78PL073 | 46 29 4 | 88 33 0 | 3.00 | .30 | 2.00 | .70 | 300 | N | 50 | 700.0 | <.7 | 10.0 | 70 |
| 78PL074 | 46 29 9 | 88 35 41 | 2.00 | .50 | 3.00 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL075 | 46 28 43 | 88 34 42 | 2.00 | .50 | .15 | .50 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78PL076 | 46 28 12 | 88 33 35 | 3.00 | .30 | .15 | .50 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78PL077 | 46 28 13 | 88 35 42 | 3.00 | .30 | .15 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL078 | 46 27 12 | 88 35 50 | 3.00 | .50 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL079 | 46 27 9 | 88 36 54 | 2.00 | .30 | .20 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL080 | 46 26 18 | 88 37 8 | 2.00 | .20 | .15 | .30 | 300 | N | 50 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL081 | 46 29 49 | 88 30 34 | 2.00 | .30 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL082 | 46 29 3 | 88 30 36 | 3.00 | .30 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL083 | 46 28 10 | 88 30 42 | 3.00 | .50 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL084 | 46 27 24 | 88 30 54 | 2.00 | .50 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL085 | 46 18 5 | 88 30 15 | 3.00 | .50 | .20 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL086 | 46 18 22 | 88 31 32 | 2.00 | .50 | .20 | .20 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL087 | 46 18 9 | 88 32 48 | 2.00 | .30 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL088 | 46 17 32 | 88 33 2 | 5.00 | .70 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 78PL089 | 46 19 11 | 88 31 44 | 3.00 | .20 | .20 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL090 | 46 19 54 | 88 31 52 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL091 | 46 19 28 | 88 30 7 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 78PL092 | 46 21 24 | 88 30 9 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL093 | 46 23 16 | 88 30 28 | 3.00 | .30 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | N | 10.0 | 100 |
| 78PL094 | 46 22 29 | 88 31 13 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 78PL095 | 46 21 21 | 88 31 31 | 1.50 | .30 | .30 | .50 | 300 | N | 70 | 700.0 | <.7 | <3.0 | 50 |
| 78PL096 | 46 20 53 | 88 31 33 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL097 | 46 23 31 | 88 31 44 | 2.00 | .20 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 5.0 | 50 |
| 78PL098 | 46 23 21 | 88 33 20 | 2.00 | .20 | .20 | .50 | 300 | N | 200 | 1,000.0 | <.7 | <3.0 | 50 |
| 78PL099 | 46 24 15 | 88 34 21 | 3.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL100 | 46 24 25 | 88 35 43 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78PL101 | 46 22 36 | 88 33 53 | 5.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 78PL102 | 46 22 50 | 88 35 10 | 2.00 | .30 | .20 | .70 | 300 | N | 50 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL103 | 46 22 4 | 88 36 30 | 1.00 | .50 | .30 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 78PL104 | 46 21 42 | 88 34 35 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 50 |
| 78PL105 | 46 25 43 | 88 30 15 | 1.50 | .50 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 78PL106 | 46 26 26 | 88 30 34 | 5.00 | .50 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 50 |
| 78PL107 | 46 30 19 | 88 36 45 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78PL108 | 46 31 12 | 88 37 14 | 3.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78PL109 | 46 31 12 | 88 38 17 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78PL110 | 46 31 10 | 88 39 33 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78PL111 | 46 30 23 | 88 39 0 45 | 3.00 | .30 | .20 | .50 | 300 | N | 50 | 500.0 | N | 7.0 | 70 |
| 78PL112 | 46 31 27 | 88 39 0 40 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 700.0 | N | 7.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Bi | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78PL073 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78PL074 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78PL075 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 160 | 15 | 150 |
| 78PL076 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78PL077 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 70 | 15 | 150 |
| 78PL078 | 15.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL079 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 15 | 150 |
| 78PL080 | 20.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 70 | 20 | 200 |
| 78PL081 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PL082 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 700 |
| 78PL083 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78PL084 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78PL085 | 20.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78PL086 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 15 | 100 |
| 78PL087 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78PL088 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78PL089 | 15.0 | 50 | N | N | 10.0 | 30 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78PL090 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 78PL091 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL092 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78PL093 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78PL094 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78PL095 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 150 |
| 78PL096 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78PL097 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78PL098 | 15.0 | 100 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 78PL099 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 1,000 |
| 78PL100 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 200 |
| 78PL101 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78PL102 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78PL103 | 15.0 | 70 | N | N | 7.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78PL104 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 78PL105 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78PL106 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78R0001 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78R0002 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78R0003 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78R0004 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78R0005 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78R0006 | 15.0 | 50 | N | N | 10.0 | 15 | 7.0 | N | 100 | 70 | 15 | 500 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78R0007 | 46 32 21 | 89 0 59 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 78R0008 | 46 33 3 | 89 1 6 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | N | 10.0 | 100 |
| 78R0009 | 46 33 44 | 89 0 58 | 2.00 | .15 | .20 | .50 | 500 | N | 150 | 700.0 | N | <3.0 | 50 |
| 78R0010 | 46 34 45 | 89 0 57 | 3.00 | .30 | .30 | .70 | 700 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78R0011 | 46 34 39 | 89 1 51 | 1.00 | .15 | .15 | .30 | 200 | N | 50 | 700.0 | N | N | 30 |
| 78R0012 | 46 34 5 | 89 2 37 | 5.00 | .15 | .20 | .70 | 500 | N | 150 | 500.0 | N | 10.0 | 70 |
| 78R0013 | 46 33 31 | 89 4 10 | 1.50 | .10 | .15 | .30 | 150 | N | 70 | 500.0 | N | <3.0 | 30 |
| 78R0014 | 46 33 23 | 89 4 34 | 1.50 | .15 | .15 | .20 | 200 | N | 20 | 700.0 | N | <3.0 | 30 |
| 78R0015 | 46 34 3 | 89 3 17 | 3.00 | .15 | .15 | .70 | 300 | N | 30 | 500.0 | N | 5.0 | 100 |
| 78R0016 | 46 35 16 | 89 3 36 | 1.50 | .15 | .15 | .50 | 200 | N | 50 | 500.0 | N | <3.0 | 50 |
| 78R0017 | 46 35 30 | 89 3 2 | 3.00 | .15 | .20 | .50 | 300 | N | 50 | 700.0 | N | <3.0 | 70 |
| 78R0018 | 46 35 53 | 89 3 6 | .70 | .15 | .15 | .30 | 150 | N | 30 | 500.0 | N | N | 70 |
| 78R0019 | 46 36 19 | 89 4 44 | 2.00 | .50 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 100 |
| 78R0020 | 46 36 35 | 89 3 29 | 2.00 | .20 | .30 | .50 | 300 | N | 70 | 700.0 | N | 5.0 | 70 |
| 78R0021 | 46 36 54 | 89 4 44 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 100 |
| 78R0022 | 46 37 25 | 89 3 37 | 1.50 | .15 | .15 | .50 | 200 | N | 30 | 500.0 | <.7 | <3.0 | 30 |
| 78R0023 | 46 37 44 | 89 4 47 | 3.00 | .70 | .20 | .50 | 300 | N | 100 | 500.0 | 2.0 | 15.0 | 100 |
| 78R0024 | 46 38 16 | 89 3 28 | 2.00 | .15 | .15 | .50 | 300 | N | 10 | 500.0 | N | 7.0 | 50 |
| 78R0025 | 46 38 49 | 89 4 57 | 3.00 | .20 | .30 | .70 | 200 | N | 50 | 500.0 | N | 7.0 | 70 |
| 78R0026 | 46 39 20 | 89 3 51 | .70 | .15 | .10 | .20 | 150 | N | 20 | 500.0 | N | N | 30 |
| 78R0027 | 46 39 28 | 89 2 23 | 3.00 | .15 | .20 | .70 | 700 | N | 100 | 500.0 | N | 7.0 | 50 |
| 78R0028 | 46 39 45 | 89 1 24 | 2.00 | .20 | .20 | .30 | 200 | N | 20 | 500.0 | N | 5.0 | 70 |
| 78R0029 | 46 39 51 | 89 0 6 | 1.50 | .15 | .20 | .50 | 300 | N | 20 | 500.0 | N | N | 30 |
| 78R0030 | 46 40 39 | 89 1 50 | .70 | .15 | .30 | .20 | 300 | N | 50 | 500.0 | N | N | 15 |
| 78R0031 | 46 41 47 | 89 4 20 | 2.00 | .50 | .30 | 1.00 | 300 | N | 50 | 700.0 | N | 10.0 | 50 |
| 78R0032 | 46 40 0 | 89 3 36 | 1.50 | .20 | .15 | .50 | 200 | N | 50 | 500.0 | N | 5.0 | 30 |
| 78R0033 | 46 40 41 | 89 3 53 | 1.50 | .30 | .30 | .50 | 300 | N | 70 | 700.0 | N | 5.0 | 30 |
| 78R0034 | 46 34 40 | 89 10 36 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 500.0 | N | 10.0 | 70 |
| 78R0035 | 46 35 38 | 89 10 31 | 3.00 | 1.00 | .30 | .50 | 500 | N | 150 | 500.0 | 2.0 | 15.0 | 70 |
| 78R0036 | 46 36 42 | 89 10 36 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 700.0 | 1.0 | 10.0 | 70 |
| 78R0037 | 46 37 47 | 89 10 49 | 3.00 | .50 | .30 | .50 | 500 | N | 100 | 300.0 | 2.0 | 10.0 | 50 |
| 78R0038 | 46 38 40 | 89 10 44 | 2.00 | .50 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78R0039 | 46 38 39 | 89 11 44 | 3.00 | .70 | .15 | .50 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 70 |
| 78R0040 | 46 38 1 | 89 12 35 | 2.00 | .70 | .20 | .50 | 300 | N | 100 | 700.0 | 1.5 | 10.0 | 70 |
| 78R0041 | 46 39 8 | 89 13 39 | 2.00 | .70 | .20 | .50 | 500 | N | 150 | 700.0 | 1.5 | 15.0 | 70 |
| 78R0042 | 46 39 46 | 89 12 53 | 1.50 | .30 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 50 |
| 78R0043 | 46 40 19 | 89 11 59 | 2.00 | .50 | .30 | .50 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 50 |
| 78R0044 | 46 38 6 | 89 14 5 | 2.00 | .70 | .30 | .70 | 300 | N | 150 | 700.0 | <.7 | 15.0 | 50 |
| 78R0045 | 46 37 51 | 89 14 56 | 2.00 | .20 | .30 | .70 | 200 | N | 30 | 500.0 | N | 10.0 | 50 |
| 78R0046 | 46 32 26 | 89 7 17 | 3.00 | .70 | .30 | .50 | 1,000 | N | 150 | 500.0 | 1.5 | 15.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|----|------|----|------|----|-----|-----|----|-------|
| 78R0007 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 78R0008 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78R0009 | 10.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78R0010 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78R0011 | 10.0 | 70 | N | N | 5.0 | 20 | <3.0 | N | 100 | 50 | 10 | 70 |
| 78R0012 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 15 | 200 |
| 78R0013 | N | 50 | N | N | <3.0 | 20 | <3.0 | N | 100 | 70 | 15 | 150 |
| 78R0014 | 15.0 | 50 | N | N | 7.0 | 20 | <3.0 | N | 100 | 70 | 10 | 100 |
| 78R0015 | 20.0 | 50 | N | N | 5.0 | 20 | 7.0 | N | 100 | 100 | 20 | 1,000 |
| 78R0016 | 10.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 50 | 15 | 200 |
| 78R0017 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78R0018 | 7.0 | 50 | N | N | 7.0 | 20 | N | N | 100 | 50 | 15 | 70 |
| 78R0019 | 70.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 70 | 20 | 1,000 |
| 78R0020 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 15 | 700 |
| 78R0021 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78R0022 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 78R0023 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | <70 | 70 | 20 | 200 |
| 78R0024 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78R0025 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78R0026 | 5.0 | 50 | N | N | 7.0 | 20 | <3.0 | N | <70 | 20 | <7 | 70 |
| 78R0027 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 100 |
| 78R0028 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78R0029 | 10.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 70 | 10 | 100 |
| 78R0030 | 10.0 | 50 | N | N | 7.0 | 20 | <3.0 | N | 100 | 30 | 10 | 50 |
| 78R0031 | 15.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | 100 | 50 | 20 | 200 |
| 78R0032 | 10.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 78R0033 | 15.0 | 50 | N | N | 15.0 | 15 | 7.0 | N | 100 | 50 | 15 | 200 |
| 78R0034 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78R0035 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | <70 | 100 | 30 | 150 |
| 78R0036 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 78R0037 | 20.0 | 50 | N | N | 20.0 | 15 | 7.0 | N | 100 | 70 | 20 | 150 |
| 78R0038 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78R0039 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | <70 | 70 | 20 | 200 |
| 78R0040 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 78R0041 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78R0042 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78R0043 | 15.0 | 30 | N | N | 20.0 | 15 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78R0044 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 78R0045 | 20.0 | 20 | N | N | 20.0 | 10 | 7.0 | N | 100 | 70 | 10 | 150 |
| 78R0046 | 20.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78R0047 | 46 33 15 | 89 7 10 | 3.00 | .50 | .20 | .70 | 500 | N | 150 | 500.0 | 1.0 | 10.0 | 70 |
| 78R0048 | 46 34 0 | 89 6 59 | 3.00 | .70 | .20 | .30 | 500 | N | 200 | 500.0 | 2.0 | 15.0 | 70 |
| 78R0049 | 46 35 47 | 89 8 7 | 3.00 | 1.00 | .20 | .50 | 500 | N | 150 | 500.0 | 2.0 | 15.0 | 70 |
| 78R0050 | 46 32 12 | 89 8 15 | 2.00 | .30 | .30 | .70 | 700 | N | 70 | 500.0 | 1.5 | 10.0 | 50 |
| 78R0051 | 46 33 8 | 89 9 31 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 500.0 | 1.5 | 10.0 | 50 |
| 78R0052 | 46 35 31 | 89 9 34 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.5 | 10.0 | 50 |
| 78R0053 | 46 32 51 | 89 10 45 | 3.00 | .70 | .30 | .50 | 500 | N | 70 | 500.0 | 1.5 | 15.0 | 70 |
| 78R0054 | 46 32 55 | 89 10 35 | 1.50 | .30 | .20 | .50 | 200 | N | 50 | 500.0 | 1.0 | 7.0 | 50 |
| 78R0055 | 46 31 12 | 89 11 2 | 3.00 | .70 | .20 | .30 | 500 | N | 100 | 500.0 | 2.0 | 15.0 | 70 |
| 78R0056 | 46 30 36 | 89 11 0 | 2.00 | .50 | .30 | .50 | 300 | N | 50 | 700.0 | 1.0 | 7.0 | 50 |
| 78R0057 | 46 31 21 | 89 12 0 | 3.00 | 1.00 | .20 | .30 | 500 | N | 100 | 500.0 | 1.5 | 10.0 | 70 |
| 78R0058 | 46 32 51 | 89 11 51 | 1.50 | .20 | .15 | .30 | 300 | N | 30 | 500.0 | <.7 | <3.0 | 30 |
| 78R0059 | 46 32 24 | 89 13 29 | 2.00 | .20 | .30 | .50 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 30 |
| 78R0060 | 46 32 10 | 89 14 22 | 3.00 | .70 | .20 | .50 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78R0061 | 46 33 53 | 89 13 6 | 2.00 | .50 | .20 | .50 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 78R0062 | 46 30 25 | 89 14 22 | 3.00 | .70 | .30 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78R0063 | 46 32 10 | 89 5 27 | 3.00 | .70 | .20 | .30 | 300 | N | 150 | 500.0 | 1.5 | 15.0 | 70 |
| 78R0064 | 46 30 52 | 89 4 34 | 2.00 | .20 | .30 | .70 | 300 | N | 50 | 700.0 | N | 5.0 | 70 |
| 78R0065 | 46 39 39 | 89 10 37 | 3.00 | 1.00 | .30 | .50 | 700 | N | 150 | 500.0 | 1.5 | 15.0 | 100 |
| 78R0066 | 46 40 24 | 89 10 13 | 3.00 | 1.00 | .30 | .50 | 500 | N | 200 | 500.0 | 1.5 | 15.0 | 100 |
| 78R0067 | 46 41 4 | 89 9 35 | 2.00 | .70 | .30 | .50 | 500 | N | 70 | 300.0 | 1.0 | 10.0 | 70 |
| 78R0068 | 46 42 2 | 89 9 33 | 3.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | 1.5 | 15.0 | 70 |
| 78R0069 | 46 42 54 | 89 9 40 | 3.00 | 1.00 | .30 | .50 | 1,000 | N | 150 | 500.0 | 1.5 | 15.0 | 70 |
| 78R0070 | 46 43 58 | 89 9 24 | 2.00 | .30 | .30 | .30 | 300 | N | 70 | 500.0 | 1.0 | 5.0 | 70 |
| 78R0071 | 46 43 42 | 89 10 37 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78R0072 | 46 43 47 | 89 11 46 | 3.00 | .70 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78R0073 | 46 43 3 | 89 12 27 | 3.00 | 1.00 | .30 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78R0074 | 46 42 25 | 89 13 8 | 5.00 | 1.00 | .30 | .50 | 700 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78R0075 | 46 41 42 | 89 13 43 | 2.00 | .20 | .30 | .50 | 300 | N | 70 | 500.0 | N | 5.0 | 50 |
| 78R0077 | 46 36 30 | 89 8 16 | 3.00 | 1.00 | .30 | .70 | 700 | N | 200 | 500.0 | 1.5 | 15.0 | 70 |
| 78R0078 | 46 43 56 | 89 7 55 | 3.00 | 1.00 | .30 | .70 | 500 | N | 150 | 700.0 | <.7 | 10.0 | 70 |
| 78R0079 | 46 44 15 | 89 6 49 | 3.00 | .70 | .30 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78R0080 | 46 44 58 | 89 4 6 | 3.00 | 1.00 | .30 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78R0081 | 46 44 8 | 89 4 19 | 3.00 | 1.00 | .30 | 1.00 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 70 |
| 78R0082 | 46 42 47 | 89 5 36 | 3.00 | .70 | .20 | .50 | 700 | N | 150 | 700.0 | 1.0 | 15.0 | 100 |
| 78R0083 | 46 42 18 | 89 6 26 | 3.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | N | 10.0 | 70 |
| 78R0084 | 46 42 55 | 89 3 8 | 3.00 | .70 | .30 | .70 | 700 | N | 150 | 700.0 | 1.0 | 15.0 | 100 |
| 78R0085 | 46 42 32 | 89 1 50 | 3.00 | .70 | .30 | .50 | 500 | N | 150 | 700.0 | 1.0 | 15.0 | 100 |
| 78R0086 | 46 42 34 | 89 0 35 | 2.00 | .50 | .20 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78R0087 | 46 43 19 | 89 0 40 | 3.00 | .50 | .20 | .70 | 300 | N | 70 | 500.0 | N | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78R0047 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78R0048 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 150 |
| 78R0049 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78R0050 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78R0051 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 78R0052 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78R0053 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 150 |
| 78R0054 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78R0055 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | N | 100 | 20 | 150 |
| 78R0056 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 15 | 200 |
| 78R0057 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 150 |
| 78R0058 | 15.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | <70 | 70 | 15 | 150 |
| 78R0059 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 150 |
| 78R0060 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78R0061 | 20.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 15 | 200 |
| 78R0062 | 20.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78R0063 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 15 | 150 |
| 78R0064 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 10 | 150 |
| 78R0065 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 150 | 100 | 30 | 200 |
| 78R0066 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78R0067 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 20 | 150 |
| 78R0068 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 78R0069 | 50.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78R0070 | 50.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 70 | 15 | 200 |
| 78R0071 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 70 | 15 | 300 |
| 78R0072 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78R0073 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78R0074 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 78R0075 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 78R0077 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78R0078 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78R0079 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78R0080 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78R0081 | 20.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 78R0082 | 20.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 30 | 200 |
| 78R0083 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 30 | 500 |
| 78R0084 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 100 | 50 | 500 |
| 78R0085 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 78R0086 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78R0087 | 50.0 | 20 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78R0068 | 46 44 14 | 89 1 50 | 3.00 | .70 | .30 | .70 | 500 | N | 150 | 700.0 | <.7 | 15.0 | 100 |
| 78SL001 | 46 3 2 | 89 29 13 | 3.00 | .15 | .30 | .50 | 300 | N | 30 | 500.0 | <.7 | <3.0 | 70 |
| 78SL002 | 46 2 46 | 89 28 16 | 5.00 | .30 | .30 | .70 | 300 | N | 50 | 700.0 | <.7 | 15.0 | 70 |
| 78SL003 | 46 3 28 | 89 27 3 | 7.00 | .30 | .50 | .70 | 300 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78SL004 | 46 1 58 | 89 28 37 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78SL005 | 46 2 5 | 89 27 27 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 300.0 | <.7 | 10.0 | 70 |
| 78SL006 | 46 1 21 | 89 27 44 | 5.00 | .30 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78SL007 | 46 0 37 | 89 28 22 | 2.00 | .30 | .50 | .50 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78SL008 | 46 0 20 | 89 27 11 | 3.00 | .30 | .50 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78SL009 | 46 0 17 | 89 25 53 | 3.00 | .30 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78SL010 | 46 2 17 | 89 26 36 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78SL011 | 46 2 13 | 89 24 51 | 3.00 | .30 | .50 | .70 | 300 | N | 200 | 500.0 | <.7 | 10.0 | 70 |
| 78SL012 | 46 2 38 | 89 23 51 | 7.00 | .30 | .70 | 1.00 | 700 | N | 150 | 500.0 | <.7 | 15.0 | 100 |
| 78SL013 | 46 3 0 | 89 22 31 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78SL014 | 46 2 25 | 89 20 50 | .50 | .30 | .50 | .70 | 700 | N | 70 | 500.0 | <.7 | 10.0 | 200 |
| 78SL015 | 46 2 37 | 89 19 37 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78SL016 | 46 3 4 | 89 18 14 | 3.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | 1.0 | 5.0 | 50 |
| 78SL017 | 46 3 5 | 89 16 54 | 2.00 | .30 | .30 | .30 | 200 | N | 150 | 500.0 | <.7 | 5.0 | 50 |
| 78SL018 | 46 2 54 | 89 15 36 | 3.00 | .20 | .30 | .50 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78SL019 | 46 1 56 | 89 15 29 | .30 | .30 | .30 | .50 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78SL020 | 46 1 2 | 89 15 36 | 2.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | <.7 | <3.0 | 70 |
| 78SL021 | 46 0 8 | 89 15 29 | 2.00 | .30 | .30 | .50 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78SL022 | 46 3 43 | 89 15 19 | 1.50 | .15 | .30 | .30 | 150 | N | 100 | 500.0 | <.7 | <3.0 | 30 |
| 78SL023 | 46 1 43 | 89 18 21 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78SL024 | 46 1 2 | 89 19 22 | 1.50 | .15 | .20 | .15 | 150 | N | 100 | 500.0 | <.7 | <3.0 | 30 |
| 78SL025 | 46 0 37 | 89 20 18 | 3.00 | .20 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 78SL026 | 46 1 11 | 89 21 52 | 2.00 | .15 | .30 | .30 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 50 |
| 78SL027 | 46 0 39 | 89 24 7 | 3.00 | .20 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 50 |
| 78SL028 | 46 4 25 | 89 18 28 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL029 | 46 5 4 | 89 19 30 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL030 | 46 5 37 | 89 20 31 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL031 | 46 6 45 | 89 20 36 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78SL032 | 46 6 31 | 89 18 32 | 5.00 | .30 | .50 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78SL033 | 46 5 45 | 89 17 22 | 5.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78SL034 | 46 5 37 | 89 16 5 | 3.00 | .30 | .50 | .70 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78SL035 | 46 7 13 | 89 16 26 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL036 | 46 8 12 | 89 16 38 | 5.00 | .30 | .50 | .70 | 300 | N | 30 | 500.0 | <.7 | 15.0 | 70 |
| 78SL037 | 46 9 20 | 89 15 35 | 5.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL038 | 46 9 24 | 89 17 34 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL039 | 46 9 22 | 89 18 54 | 5.00 | .30 | .70 | .30 | 500 | N | 10 | 500.0 | N | 10.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78R0189 | 20.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78SL001 | 15.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 15 | 150 |
| 78SL002 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL003 | 20.0 | 150 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL004 | 15.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78SL005 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL006 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL007 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78SL008 | 15.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78SL009 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78SL010 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 1,000 |
| 78SL011 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78SL012 | 30.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78SL013 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78SL014 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL015 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL016 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78SL017 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 78SL018 | 20.0 | 50 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 78SL019 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78SL020 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78SL021 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78SL022 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | <70 | 70 | 15 | 200 |
| 78SL023 | 15.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78SL024 | 10.0 | 50 | N | N | 10.0 | 20 | <3.0 | N | 100 | 50 | <7 | 100 |
| 78SL025 | 15.0 | 50 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 150 |
| 78SL026 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 100 |
| 78SL027 | 15.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78SL028 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78SL029 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78SL030 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL031 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78SL032 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL033 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL034 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78SL035 | 30.0 | 70 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL036 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78SL037 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78SL038 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78SL039 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 10 | 150 |

C-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78SL040 | 46 9 18 | 89 20 12 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL041 | 46 8 33 | 89 20 29 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78SL042 | 46 7 42 | 89 20 52 | 5.00 | .20 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 5.0 | 70 |
| 78SL043 | 46 9 35 | 89 21 26 | 5.00 | .30 | .30 | .50 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL044 | 46 9 44 | 89 23 3 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78SL045 | 46 10 25 | 89 23 30 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL046 | 46 11 21 | 89 22 44 | 5.00 | .50 | .50 | .50 | 200 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL047 | 46 11 12 | 89 24 1 | 3.00 | .50 | .70 | .70 | 300 | N | 70 | 500.0 | N | 10.0 | 70 |
| 78SL048 | 46 11 23 | 89 25 46 | 5.00 | .15 | .30 | .50 | 150 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78SL049 | 46 11 3 | 89 27 1 | 5.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78SL050 | 46 11 7 | 89 28 19 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL051 | 46 10 40 | 89 29 36 | 5.00 | .30 | .70 | 1.00 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78SL052 | 46 12 5 | 89 27 8 | 3.00 | .30 | .30 | .70 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 50 |
| 78SL053 | 46 12 16 | 89 28 59 | 3.00 | .50 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78SL054 | 46 14 38 | 89 28 26 | 5.00 | .30 | .50 | .50 | 300 | N | 10 | 500.0 | <.7 | 10.0 | 70 |
| 78SL055 | 46 13 38 | 89 28 1 | 3.00 | .30 | .50 | .50 | 300 | N | 30 | 500.0 | <.7 | 15.0 | 100 |
| 78SL056 | 46 14 52 | 89 20 32 | 5.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL057 | 46 14 26 | 89 21 25 | 5.00 | .20 | .30 | .50 | 200 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78SL058 | 46 13 52 | 89 22 41 | 3.00 | .50 | .30 | .50 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 50 |
| 78SL059 | 46 13 2 | 89 23 56 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78SL060 | 46 12 26 | 89 22 13 | 3.00 | .20 | .30 | .70 | 200 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78SL061 | 46 12 51 | 89 25 32 | 2.00 | .30 | .70 | .70 | 200 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78SL062 | 46 13 30 | 89 25 56 | 5.00 | .30 | .70 | .70 | 500 | N | 20 | 500.0 | <.7 | 15.0 | 100 |
| 78SL063 | 46 8 40 | 89 23 8 | 7.00 | .30 | .70 | 1.00 | 700 | N | 10 | 500.0 | <.7 | 15.0 | 70 |
| 78SL064 | 46 9 24 | 89 24 16 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78SL065 | 46 9 22 | 89 25 51 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 150 |
| 78SL066 | 46 9 37 | 89 26 4 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 150 |
| 78SL067 | 46 9 45 | 89 29 22 | 5.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | <3.0 | 70 |
| 78SL068 | 46 8 29 | 89 25 49 | 7.00 | .50 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78SL069 | 46 7 20 | 89 23 57 | 5.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78SL070 | 46 5 51 | 89 24 32 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 300.0 | <.7 | 10.0 | 100 |
| 78SL071 | 46 5 56 | 89 22 14 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78SL072 | 46 7 39 | 89 26 7 | 5.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78SL073 | 46 6 75 | 89 26 12 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | N | 15.0 | 70 |
| 78SL074 | 46 6 29 | 89 27 57 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78SL075 | 46 6 35 | 89 28 48 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78SL076 | 46 5 12 | 89 27 25 | 5.00 | .30 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78SL077 | 46 4 41 | 89 29 17 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 150 |
| 78SL078 | 46 4 0 | 89 20 51 | 2.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78SL079 | 46 4 49 | 89 22 35 | 5.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 20.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78SL040 | 30.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL041 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL042 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78SL043 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78SL044 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL045 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78SL046 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78SL047 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78SL048 | 20.0 | 100 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78SL049 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78SL050 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 200 |
| 78SL051 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL052 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 15 | 300 |
| 78SL053 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78SL054 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78SL055 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78SL056 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78SL057 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 78SL058 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78SL059 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL060 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78SL061 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78SL062 | 50.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78SL063 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 200 |
| 78SL064 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78SL065 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78SL066 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78SL067 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 150 |
| 78SL068 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL069 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL070 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL071 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL072 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78SL073 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 30 | 150 |
| 78SL074 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL075 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL076 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78SL077 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78SL078 | 15.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78SL079 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78TH001 | 46 30 31 | 89 53 24 | 3.00 | .50 | .70 | .30 | 700 | N | 20 | 300.0 | 2.0 | 20.0 | 70 |
| 78TH002 | 46 31 6 | 89 52 27 | 3.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | 1.5 | 15.0 | 70 |
| 78TH003 | 46 31 40 | 89 51 29 | 3.00 | .50 | .70 | 1.00 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78TH004 | 46 32 11 | 89 50 30 | 3.00 | .50 | .30 | .70 | 300 | N | 50 | 300.0 | 1.0 | 10.0 | 70 |
| 78TH005 | 46 32 40 | 89 49 32 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 300.0 | N | 15.0 | 70 |
| 78TH006 | 46 31 15 | 89 49 31 | 3.00 | .50 | .70 | 1.00 | 500 | N | 50 | 300.0 | <.7 | 15.0 | 70 |
| 78TH007 | 46 30 30 | 89 50 32 | 3.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 70 |
| 78TH008 | 46 32 49 | 89 47 44 | 5.00 | .50 | .70 | .70 | 300 | N | 70 | 500.0 | 1.5 | 20.0 | 100 |
| 78TH009 | 46 33 24 | 89 48 19 | 2.00 | .30 | .50 | .30 | 300 | N | 150 | 500.0 | 1.0 | 5.0 | 30 |
| 78TH010 | 46 33 25 | 89 49 40 | 5.00 | .50 | .50 | 1.00 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 78TH011 | 46 33 41 | 89 50 46 | 3.00 | .30 | .50 | .70 | 200 | N | 30 | 300.0 | <.7 | 10.0 | 50 |
| 78TH012 | 46 34 2 | 89 51 38 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | 1.0 | 15.0 | 70 |
| 78TH013 | 46 33 56 | 89 52 53 | 3.00 | .50 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78TH014 | 46 35 9 | 89 54 9 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78TH015 | 46 34 21 | 89 53 43 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 500.0 | 1.0 | 5.0 | 70 |
| 78TH016 | 46 33 23 | 89 54 2 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 300.0 | 1.0 | 15.0 | 70 |
| 78TH017 | 46 32 5 | 89 47 22 | 5.00 | .50 | .50 | .70 | 500 | N | 30 | 500.0 | N | 20.0 | 100 |
| 78TH018 | 46 31 13 | 89 47 11 | 3.00 | .30 | .50 | .30 | 300 | N | 70 | 700.0 | <.7 | 5.0 | 70 |
| 78TH019 | 46 30 20 | 89 47 26 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | 1.0 | 10.0 | 70 |
| 78TH020 | 46 32 46 | 89 46 5 | 3.00 | .30 | .50 | .50 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78TH021 | 46 33 1 | 89 45 5 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 70 |
| 78TH022 | 46 32 46 | 89 45 3 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 150 |
| 78TH023 | 46 34 38 | 89 45 37 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 50 |
| 78TH024 | 46 35 35 | 89 45 16 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78TH029 | 46 36 29 | 89 45 32 | 5.00 | .30 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 78TH030 | 46 37 11 | 89 46 19 | 7.00 | .50 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78TH031 | 46 38 11 | 89 46 28 | 7.00 | .50 | .70 | .70 | 700 | N | 30 | 700.0 | 1.0 | 20.0 | 100 |
| 78TH033 | 46 37 52 | 89 47 36 | 5.00 | .50 | .70 | 1.00 | 700 | N | 100 | 500.0 | 1.0 | 15.0 | 100 |
| 78TH034 | 46 38 43 | 89 47 43 | 5.00 | .50 | .70 | 1.00 | 700 | N | 100 | 500.0 | 1.0 | 15.0 | 100 |
| 78TH035 | 46 39 42 | 89 47 43 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78TH036 | 46 37 56 | 89 48 54 | 5.00 | .50 | .50 | 1.00 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78TH037 | 46 37 8 | 89 49 16 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78TH038 | 46 36 19 | 89 49 2 | 5.00 | .50 | .50 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78TH039 | 46 35 59 | 89 50 35 | 5.00 | .70 | .70 | 1.00 | 700 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78TH040 | 46 35 30 | 89 48 56 | 7.00 | .30 | .50 | .70 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78TH041 | 46 34 25 | 89 48 56 | 5.00 | .50 | .50 | .70 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78TH042 | 46 39 3 | 89 45 11 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78TH043 | 46 38 7 | 89 50 42 | 5.00 | .15 | .20 | .70 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 70 |
| 78TH044 | 46 38 15 | 89 51 49 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78TH045 | 46 39 7 | 89 51 16 | 7.00 | .50 | .50 | .70 | 700 | N | 150 | 500.0 | <.7 | 15.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78TH001 | 20.0 | 70 | N | N | 50.0 | 15 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78TH002 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 78TH003 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 78TH004 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78TH005 | 50.0 | 30 | N | N | 30.0 | 15 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78TH006 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 78TH007 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78TH008 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TH009 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 150 |
| 78TH010 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78TH011 | 15.0 | 50 | N | <15 | 15.0 | 15 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78TH012 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 100 | 20 | 700 |
| 78TH013 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78TH014 | 30.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78TH015 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TH016 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TH017 | 50.0 | 50 | N | * N | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78TH018 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 70 |
| 78TH019 | 50.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78TH020 | 20.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78TH021 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 78TH022 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TH023 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78TH024 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TH029 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TH030 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TH031 | 50.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 100 | 30 | 700 |
| 78TH033 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 700 |
| 78TH034 | 50.0 | 70 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 700 |
| 78TH035 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TH036 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TH037 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TH038 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TH039 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 700 |
| 78TH040 | 50.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TH041 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 700 |
| 78TH042 | 50.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 700 |
| 78TH043 | 30.0 | 50 | N | 30 | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 1,000 |
| 78TH044 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TH045 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 200 | 30 | 700 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78TH046 | 46 39 56 | 89 51 37 | 5.00 | .30 | .50 | .70 | 700 | N | 100 | 500.0 | <.7 | 5.0 | 73 |
| 78TH047 | 46 40 47 | 89 51 43 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78TH048 | 46 41 42 | 89 51 52 | 5.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 20.0 | 70 |
| 78TH049 | 46 42 30 | 89 52 45 | 2.00 | .70 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78TH050 | 46 43 15 | 89 52 17 | 3.00 | .10 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 70 |
| 78TH051 | 46 34 12 | 89 55 49 | 5.00 | .50 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78TH052 | 46 34 44 | 89 54 54 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78TH053 | 46 35 36 | 89 54 56 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 50 |
| 78TH054 | 46 36 9 | 89 54 5 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78TH055 | 46 36 57 | 89 54 30 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78TH056 | 46 37 47 | 89 54 13 | 5.00 | .20 | .30 | 1.00 | 500 | N | 100 | 500.0 | <.7 | <3.0 | 100 |
| 78TH057 | 46 39 0 | 89 46 4 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | <3.0 | 15 |
| 78TH058 | 46 39 48 | 89 49 32 | 5.00 | .30 | .30 | .70 | 500 | N | 100 | 300.0 | <.7 | 20.0 | 15 |
| 78TH059 | 46 40 42 | 89 50 34 | 5.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 15 |
| 78TH060 | 46 40 39 | 89 49 26 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 15 |
| 78TH061 | 46 40 34 | 89 48 20 | 5.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78TH062 | 46 41 29 | 89 48 32 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78TH063 | 46 42 16 | 89 47 15 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78TH064 | 46 30 50 | 89 57 9 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78TH070 | 46 30 49 | 89 58 18 | 7.00 | .70 | 1.00 | .70 | 700 | N | 50 | 700.0 | <.7 | 20.0 | 100 |
| 78TH071 | 46 35 29 | 89 57 44 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78TH072 | 46 36 14 | 89 58 7 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78TH073 | 46 37 21 | 89 58 29 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78TH074 | 46 37 25 | 89 59 21 | 7.00 | .50 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78TH075 | 46 38 15 | 89 59 54 | 3.00 | .50 | .70 | .50 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 50 |
| 78TH076 | 46 40 16 | 89 52 59 | 3.00 | .50 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78TH077 | 46 39 47 | 89 53 44 | 2.00 | .30 | .50 | .50 | 500 | N | 50 | 700.0 | N | 7.0 | 50 |
| 78TH078 | 46 39 35 | 89 54 50 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 500.0 | N | <3.0 | 50 |
| 78TH079 | 46 41 31 | 89 53 6 | 5.00 | .50 | .70 | .70 | 700 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78TH100 | 46 42 11 | 89 57 26 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78TH101 | 46 43 6 | 89 55 54 | 2.00 | .30 | .30 | .50 | 200 | N | 100 | 500.0 | <.7 | 5.0 | 30 |
| 78TH102 | 46 43 32 | 89 54 15 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 50 |
| 78TH103 | 46 43 43 | 89 45 34 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 300.0 | 1.0 | 10.0 | 70 |
| 78TH104 | 46 44 23 | 89 45 19 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 300.0 | <.7 | 10.0 | 70 |
| 78TH105 | 46 42 40 | 89 45 43 | 3.00 | .50 | .50 | .50 | 300 | N | 70 | 300.0 | <.7 | 10.0 | 70 |
| 78TH106 | 46 41 41 | 89 45 28 | 2.00 | .50 | .50 | .30 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 78TH107 | 46 42 42 | 89 47 58 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 300.0 | <.7 | 10.0 | 70 |
| 78TH108 | 46 42 55 | 89 49 54 | 2.00 | .30 | .50 | .70 | 300 | N | 100 | 300.0 | <.7 | <3.0 | 50 |
| 78TH109 | 46 41 40 | 89 59 24 | 2.00 | .30 | .70 | .70 | 300 | N | 150 | 300.0 | 1.0 | 5.0 | 70 |
| 78TH110 | 46 44 30 | 89 54 29 | 10.00 | .50 | .70 | 1.00 | 500 | N | 10 | 500.0 | N | <3.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78TH046 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TH047 | 50.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TH048 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 100 | 30 | 500 |
| 78TH049 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TH050 | 30.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78TH051 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TH052 | 50.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78TH053 | 30.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78TH054 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TH055 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78TH056 | 50.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TH057 | 70.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78TH058 | 70.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TH059 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78TH060 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 20 | 500 |
| 78TH066 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TH067 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TH068 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TH069 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TH070 | 70.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78TH071 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78TH072 | 30.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78TH073 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TH074 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TH075 | 30.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78TH076 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TH077 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 15 | 100 |
| 78TH078 | 30.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 10 | 200 |
| 78TH079 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TH100 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 15 | 300 |
| 78TH101 | 20.0 | 50 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78TH102 | 50.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TH103 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78TH104 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78TH105 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78TH106 | 30.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 150 | 70 | 20 | 150 |
| 78TH107 | 50.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78TH108 | 20.0 | 50 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78TH109 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 150 | 70 | 20 | 500 |
| 78TH110 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 200 | 15 | 700 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78TR001 | 46 21 14 | 89 29 29 | 5.00 | 3.00 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78TR002 | 46 20 20 | 89 28 15 | 2.00 | .30 | .50 | .70 | 300 | N | 50 | 300.0 | <.7 | 10.0 | 70 |
| 78TR003 | 46 19 9 | 89 28 27 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78TR004 | 46 18 19 | 89 29 3 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78TR005 | 46 19 9 | 89 27 0 | 2.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78TR006 | 46 18 18 | 89 26 5 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78TR007 | 46 17 30 | 89 24 16 | 3.00 | .30 | .50 | 1.00 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78TR008 | 46 16 34 | 89 24 31 | 3.00 | .30 | .70 | .70 | 500 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78TR009 | 46 15 45 | 89 25 42 | 3.00 | .20 | .30 | .70 | 300 | N | 50 | 300.0 | <.7 | 7.0 | 70 |
| 78TR010 | 46 17 32 | 89 23 5 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 78TR011 | 46 17 36 | 89 21 51 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78TR012 | 46 17 43 | 89 20 32 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78TR013 | 46 16 55 | 89 19 22 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78TR014 | 46 16 40 | 89 17 47 | 1.00 | .20 | .30 | .50 | 200 | N | 100 | 500.0 | N | <3.0 | 30 |
| 78TR015 | 46 16 34 | 89 16 23 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78TR016 | 46 16 35 | 89 15 21 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78TR017 | 46 15 34 | 89 15 59 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78TR018 | 46 18 45 | 89 23 30 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78TR019 | 46 20 42 | 89 26 30 | 3.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78TR020 | 46 21 37 | 89 24 51 | 3.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78TR021 | 46 21 17 | 89 23 21 | 3.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78TR022 | 46 20 40 | 89 22 1 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78TR023 | 46 20 16 | 89 20 19 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78TR024 | 46 19 58 | 89 18 27 | 3.00 | .30 | .50 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78TR025 | 46 19 42 | 89 16 45 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78TR026 | 46 19 45 | 89 15 20 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78TR027 | 46 20 40 | 89 17 16 | 3.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78TR028 | 46 20 47 | 89 16 5 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78TR029 | 46 21 46 | 89 17 24 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78TR030 | 46 22 36 | 89 17 4 | 5.00 | .50 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78TR031 | 46 23 49 | 89 17 0 | 3.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78TR032 | 46 24 14 | 89 15 42 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78TR033 | 46 23 32 | 89 19 11 | 3.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78TR034 | 46 24 21 | 89 20 2 | 3.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78TR035 | 46 25 12 | 89 20 54 | 3.00 | .70 | .70 | .70 | 500 | N | 30 | 500.0 | <.7 | 20.0 | 100 |
| 78TR036 | 46 26 4 | 89 20 58 | 3.00 | .50 | .70 | .70 | 500 | N | 30 | 500.0 | <.7 | 15.0 | 70 |
| 78TR037 | 46 26 52 | 89 21 11 | 5.00 | .70 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 150 |
| 78TR038 | 46 27 48 | 89 21 35 | 5.00 | .70 | .70 | 1.00 | 700 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78TR039 | 46 28 8 | 89 22 52 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 150 |
| 78TR040 | 46 28 22 | 89 24 8 | 5.00 | .70 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 20.0 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78TR001 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 1,000 |
| 78TR002 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78TR003 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR004 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR005 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78TR006 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78TR007 | 30.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78TR008 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR009 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR010 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR011 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78TR012 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78TR013 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR014 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 10 | 150 |
| 78TR015 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR016 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78TR017 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR018 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78TR019 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 30 | 700 |
| 78TR020 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 1,000 |
| 78TR021 | 50.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 50 | 700 |
| 78TR022 | 50.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TR023 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78TR024 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78TR025 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR026 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TR027 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR028 | 50.0 | 50 | N | <15 | 10.0 | 30 | 10.0 | N | 100 | 200 | 20 | 1,000 |
| 78TR029 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR030 | 50.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 200 | 30 | 700 |
| 78TR031 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR032 | 30.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TR033 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TR034 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78TR035 | 50.0 | 30 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TR036 | 30.0 | 30 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TR037 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TR038 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78TR039 | 50.0 | 30 | N | N | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78TR040 | 30.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 30 | 700 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | H | Bd | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 78TR041 | 46 29 17 | 89 25 32 | 5.00 | .30 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78TR042 | 46 23 16 | 89 20 46 | 3.00 | .50 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78TR043 | 46 22 47 | 89 21 51 | 5.00 | .30 | .70 | .70 | 1,500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78TR044 | 46 22 31 | 89 23 23 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78TR045 | 46 17 6 | 89 28 37 | 5.00 | .30 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 100 |
| 78TR046 | 46 17 33 | 89 27 28 | 5.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 20.0 | 100 |
| 78TR047 | 46 16 58 | 89 26 32 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78TR048 | 46 26 51 | 89 15 45 | 5.00 | .20 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78TR049 | 46 26 52 | 89 16 49 | 7.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | 1.0 | 30.0 | 100 |
| 78TR050 | 46 27 48 | 89 15 45 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78TR051 | 46 28 42 | 89 15 47 | 5.00 | .70 | .50 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 30.0 | 100 |
| 78TR052 | 46 29 32 | 89 15 45 | 5.00 | .70 | .70 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 30.0 | 150 |
| 78TR053 | 46 25 14 | 89 29 39 | 3.00 | .50 | .30 | .70 | 500 | N | 50 | 700.0 | N | 10.0 | 70 |
| 78TR054 | 46 25 50 | 89 28 51 | 3.00 | .50 | .30 | .70 | 300 | N | 50 | 700.0 | N | 10.0 | 70 |
| 78TR055 | 46 26 32 | 89 28 48 | 2.00 | .30 | .20 | .70 | 300 | N | 50 | 700.0 | N | 10.0 | 70 |
| 78TR056 | 45 27 26 | 89 29 52 | 2.00 | .50 | .30 | 1.00 | 500 | N | 30 | 700.0 | N | 7.0 | 50 |
| 78TR057 | 46 27 48 | 89 29 58 | 2.00 | .50 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 78TR058 | 46 28 1 | 89 30 1 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 50 |
| 78TR059 | 46 29 26 | 89 30 10 | 3.00 | .70 | .30 | .70 | 300 | N | 70 | 700.0 | N | 10.0 | 50 |
| 78TR060 | 46 28 46 | 89 28 35 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | N | 10.0 | 70 |
| 78TR061 | 46 29 47 | 89 28 56 | 3.00 | .70 | .30 | 1.00 | 1,000 | N | 100 | 700.0 | N | 15.0 | 100 |
| 78TR062 | 46 28 8 | 89 27 49 | 2.00 | .50 | .70 | .70 | 500 | N | 70 | 700.0 | N | 10.0 | 70 |
| 78TR063 | 46 28 40 | 89 26 43 | 2.00 | .30 | .30 | .50 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78TR064 | 46 27 21 | 89 28 20 | 2.00 | .50 | .30 | 1.00 | 500 | N | 50 | 700.0 | N | 10.0 | 70 |
| 78TR065 | 45 25 0 | 89 28 1 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 500.0 | N | 10.0 | 70 |
| 78TR066 | 46 25 48 | 89 27 42 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78TR067 | 46 26 5 | 89 26 31 | 3.00 | .50 | .30 | 1.00 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78TR068 | 46 26 15 | 89 25 23 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 700.0 | N | 10.0 | 70 |
| 78TR069 | 46 24 52 | 89 27 2 | 3.00 | .70 | .50 | 1.00 | 1,500 | N | 100 | 700.0 | <.7 | 15.0 | 100 |
| 78TR070 | 46 24 8 | 89 26 33 | 3.00 | .70 | .30 | 1.00 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78TR071 | 46 23 34 | 89 24 35 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78TR072 | 46 24 44 | 89 29 59 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 70 |
| 78TR073 | 46 23 25 | 89 29 36 | 3.00 | .50 | .50 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 78TR074 | 46 24 31 | 89 17 33 | 3.00 | 1.00 | 1.00 | .70 | 2,000 | N | 150 | 700.0 | 1.5 | 15.0 | 100 |
| 78TR075 | 46 25 27 | 89 18 25 | 3.00 | .70 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | 1.0 | 10.0 | 70 |
| 78TR076 | 45 26 17 | 89 18 43 | 3.00 | 1.00 | .30 | 1.00 | 1,500 | N | 100 | 1,000.0 | 1.5 | 20.0 | 100 |
| 78TR077 | 46 25 40 | 89 18 45 | 3.00 | .70 | .50 | .70 | 500 | N | 70 | 700.0 | 1.0 | 10.0 | 70 |
| 78TR078 | 45 29 40 | 89 19 40 | 3.00 | 1.00 | .50 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 78TR079 | 46 28 48 | 89 19 17 | 5.00 | .70 | .30 | 1.00 | 700 | N | 200 | 1,000.0 | <.7 | 15.0 | 100 |
| 78TR080 | 46 29 27 | 89 18 10 | 5.00 | 1.00 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 15.0 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78TR041 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78TR042 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78TR043 | 70.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TR044 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78TR045 | 30.0 | 30 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78TR046 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78TR047 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78TR048 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78TR049 | 30.0 | 50 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 78TR050 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78TR051 | 30.0 | 50 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78TR052 | 30.0 | 50 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 150 |
| 78TR053 | 30.0 | 30 | N | N | 30.0 | 15 | 7.0 | N | 150 | 100 | 20 | 200 |
| 78TR054 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78TR055 | 20.0 | 30 | N | N | 30.0 | 15 | 5.0 | N | 100 | 100 | 15 | 300 |
| 78TR056 | 20.0 | 30 | N | N | 20.0 | 15 | 5.0 | N | 100 | 70 | 20 | 300 |
| 78TR057 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78TR058 | 30.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 78TR059 | 50.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78TR060 | 50.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR061 | 50.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 78TR062 | 20.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 300 |
| 78TR063 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 300 |
| 78TR064 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78TR065 | 20.0 | 20 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR066 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78TR067 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78TR068 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR069 | 30.0 | 20 | N | N | 30.0 | 20 | 7.0 | N | 150 | 150 | 20 | 500 |
| 78TR070 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78TR071 | 20.0 | 20 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR072 | 50.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR073 | 50.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR074 | 30.0 | 30 | N | N | 70.0 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 78TR075 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR076 | 30.0 | 30 | N | N | 70.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78TR077 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR078 | 20.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78TR079 | 50.0 | 30 | N | N | 30.0 | 20 | 15.0 | N | 100 | 150 | 30 | 1,000 |
| 78TR080 | 50.0 | 50 | N | N | 30.0 | 30 | 15.0 | N | 100 | 150 | 30 | 500 |

11-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78WA001 | 46 27 48 | 89 56 21 | 5.00 | .50 | .70 | .50 | 500 | N | 50 | 300.0 | <.7 | 10.0 | 100 |
| 78WA002 | 46 26 52 | 89 56 46 | 3.00 | .50 | .50 | .50 | 300 | N | 100 | 300.0 | <.7 | 10.0 | 70 |
| 78WA003 | 46 26 2 | 89 56 54 | 5.00 | .70 | 1.00 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WA004 | 46 25 45 | 89 55 55 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 300.0 | <.7 | 15.0 | 100 |
| 78WA005 | 46 25 11 | 89 56 58 | 5.00 | .30 | .50 | .50 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78WA006 | 46 24 19 | 89 56 48 | 5.00 | .50 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WA007 | 46 23 29 | 89 56 44 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78WA008 | 46 22 35 | 89 56 14 | 3.00 | .70 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WA009 | 46 21 41 | 89 56 7 | 5.00 | .70 | .70 | .70 | 300 | N | 30 | 500.0 | <.7 | 15.0 | 70 |
| 78WA010 | 46 21 47 | 89 55 4 | 3.00 | .50 | .70 | .70 | 300 | N | 50 | 500.0 | 1.0 | 10.0 | 70 |
| 78WA011 | 46 22 32 | 89 53 42 | 5.00 | .70 | 1.00 | .70 | 300 | N | 30 | 700.0 | <.7 | 20.0 | 70 |
| 78WA012 | 46 21 33 | 89 57 26 | 5.00 | .70 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78WA013 | 46 21 0 | 89 58 13 | 5.00 | .50 | .70 | .70 | 300 | N | 50 | 700.0 | <.7 | 10.0 | 70 |
| 78WA014 | 46 21 32 | 89 59 27 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 700.0 | <.7 | 15.0 | 100 |
| 78WA015 | 46 20 57 | 89 55 46 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 700.0 | <.7 | 15.0 | 70 |
| 78WA016 | 46 20 50 | 89 54 42 | 5.00 | .30 | .70 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WA017 | 46 20 20 | 89 53 50 | 5.00 | .50 | .50 | .70 | 300 | N | 30 | 700.0 | <.7 | 10.0 | 70 |
| 78WA018 | 46 19 57 | 89 56 39 | 3.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WA019 | 46 19 47 | 89 58 3 | 3.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WA020 | 46 18 43 | 89 57 37 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WA021 | 46 20 8 | 89 55 15 | 3.00 | .30 | .70 | .50 | 300 | N | 30 | 300.0 | <.7 | 7.0 | 50 |
| 78WA022 | 46 19 5 | 89 55 7 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA023 | 46 18 5 | 89 55 47 | 5.00 | .50 | .50 | .70 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78WA024 | 46 17 45 | 89 57 46 | 3.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WA025 | 46 18 26 | 89 59 36 | 3.00 | .30 | .50 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WA026 | 46 16 59 | 89 59 43 | 5.00 | 1.00 | .70 | 1.00 | 700 | N | 50 | 500.0 | <.7 | 30.0 | 150 |
| 78WA027 | 46 16 33 | 89 58 46 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 70 |
| 78WA028 | 46 17 50 | 89 54 31 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WA029 | 46 18 21 | 89 45 15 | 5.00 | .30 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78WA033 | 46 17 38 | 89 53 24 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 50 |
| 78WA034 | 46 16 49 | 89 52 4 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA036 | 46 23 20 | 89 47 25 | 5.00 | .50 | .70 | .70 | 500 | N | 100 | 700.0 | <.7 | 10.0 | 70 |
| 78WA037 | 46 27 36 | 89 47 35 | 7.00 | .50 | 7.00 | 1.00 | 500 | N | 150 | 700.0 | <.7 | 15.0 | 100 |
| 78WA038 | 46 27 9 | 89 48 51 | 3.00 | .50 | .50 | .50 | 500 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WA038 | 46 27 9 | 89 48 51 | 5.00 | .50 | 1.00 | .70 | 500 | N | 30 | 500.0 | N | 20.0 | 100 |
| 78WA039 | 46 17 37 | 89 46 24 | 3.00 | .30 | .70 | .50 | 300 | N | 10 | 500.0 | <.7 | 15.0 | 70 |
| 78WA040 | 46 16 59 | 89 46 55 | 5.00 | .50 | .70 | .50 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 150 |
| 78WA041 | 46 16 59 | 89 48 49 | 5.00 | .30 | .50 | .50 | 300 | N | 30 | 500.0 | <.7 | 15.0 | 70 |
| 78WA042 | 46 17 47 | 89 48 45 | 3.00 | .50 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WA043 | 46 18 36 | 89 43 29 | 1.50 | 5.00 | .50 | .30 | 300 | N | 30 | 500.0 | N | <3.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78WA001 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78WA002 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA003 | 50.0 | 50 | N | N | 70.0 | 20 | 15.0 | N | 150 | 150 | 30 | 500 |
| 78WA004 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WA005 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78WA006 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WA007 | 30.0 | 30 | N | <15 | 20.0 | 15 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WA008 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78WA009 | 50.0 | 30 | N | <15 | 50.0 | 15 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WA010 | 30.0 | 30 | N | N | 30.0 | 15 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78WA011 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78WA012 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 78WA013 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78WA014 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78WA015 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WA016 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WA017 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WA018 | 50.0 | 50 | N | N | 30.0 | 10 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78WA019 | 30.0 | 50 | N | N | 30.0 | 15 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78WA020 | 50.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA021 | 30.0 | 50 | N | N | 30.0 | 15 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78WA022 | 50.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA023 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA024 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA025 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA026 | 50.0 | 30 | N | N | 70.0 | 20 | 15.0 | N | 150 | 100 | 20 | 200 |
| 78WA027 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WA028 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78WA029 | 50.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WA033 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78WA034 | 20.0 | 50 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 15 | 300 |
| 78WA036 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WA037 | 50.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78WA038 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78WA038 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78WA039 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WA040 | 30.0 | 50 | N | N | 70.0 | 20 | 15.0 | N | 100 | 200 | 20 | 200 |
| 78WA041 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WA042 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WA043 | 15.0 | 70 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|-------|-----|------|-----|
| 78WA044 | 46 19 19 | 89 47 42 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WA045 | 46 18 25 | 89 46 31 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 300.0 | <.7 | 20.0 | 100 |
| 78WA046 | 46 15 4 | 89 47 36 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78WA047 | 46 16 12 | 89 47 52 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WA048 | 46 15 58 | 89 49 22 | 5.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78WA049 | 46 15 8 | 89 50 2 | 5.00 | .30 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WA050 | 46 15 4 | 89 52 20 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WA051 | 46 15 55 | 89 52 4 | 3.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WA052 | 46 18 4 | 89 52 10 | 3.00 | .30 | .50 | .70 | 500 | N | 20 | 300.0 | <.7 | 15.0 | 70 |
| 78WA053 | 46 18 37 | 89 51 18 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 300.0 | <.7 | 10.0 | 70 |
| 78WA054 | 46 16 21 | 89 53 23 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA055 | 46 15 29 | 89 53 23 | 3.00 | .50 | .70 | 1.00 | 500 | N | 50 | 300.0 | N | 15.0 | 100 |
| 78WA056 | 46 16 33 | 89 55 8 | 3.00 | .20 | .50 | .70 | 300 | N | 30 | 500.0 | N | 5.0 | 70 |
| 78WA100 | 46 25 14 | 89 10 46 | 3.00 | .30 | .50 | 1.00 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 100 |
| 78WA101 | 46 26 5 | 89 10 39 | 3.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78WA102 | 46 26 4 | 89 9 21 | 3.00 | .30 | .70 | 1.00 | 300 | 1.50 | 200 | 500.0 | <.7 | 10.0 | 70 |
| 78WA104 | 46 27 45 | 89 10 44 | 5.00 | .30 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WA105 | 46 28 41 | 89 10 39 | 3.00 | .30 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA106 | 46 23 41 | 89 11 57 | 7.00 | .70 | .70 | 1.00 | 700 | N | 200 | 500.0 | 1.0 | 30.0 | 200 |
| 78WA107 | 46 28 40 | 89 13 14 | 2.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 78WA108 | 46 27 47 | 89 14 2 | 5.00 | .30 | .70 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WA109 | 46 28 34 | 89 14 22 | 7.00 | .70 | .70 | 1.00 | 700 | N | 150 | 500.0 | <.7 | 30.0 | 200 |
| 78WA110 | 46 29 28 | 89 14 23 | 5.00 | .50 | .70 | .70 | 700 | N | 100 | 500.0 | <.7 | 20.0 | 150 |
| 78WA111 | 46 29 49 | 89 10 46 | 5.00 | .50 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 20.0 | 150 |
| 78WA112 | 46 23 41 | 89 9 28 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA113 | 46 23 27 | 89 8 18 | 3.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | N | 7.0 | 100 |
| 78WA114 | 46 28 42 | 89 7 1 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA115 | 46 29 32 | 89 6 53 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WA116 | 46 27 46 | 89 7 53 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA117 | 46 26 57 | 89 8 39 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78WA118 | 46 26 25 | 89 12 27 | 3.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WA001 | 46 50 5 | 89 32 43 | 2.00 | .10 | .30 | .50 | 200 | N | 10 | 500.0 | N | <3.0 | 20 |
| 78WA002 | 46 50 15 | 89 31 25 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WA003 | 46 50 12 | 89 30 13 | 3.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78WA004 | 46 49 33 | 89 35 12 | 3.00 | .20 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78WA005 | 46 49 12 | 89 36 22 | 3.00 | .30 | 1.00 | .70 | 700 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 78WA006 | 46 49 3 | 89 37 41 | 3.00 | .50 | .70 | .50 | 300 | N | 50 | 500.0 | 1.0 | 10.0 | 70 |
| 78WA007 | 46 49 10 | 89 39 10 | 2.00 | .50 | .50 | .30 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 50 |
| 78WA008 | 46 49 11 | 89 40 14 | 5.00 | .50 | .70 | .70 | 1,000 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WA009 | 46 49 5 | 89 41 25 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | U | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78WA044 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WA045 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WA046 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78WA047 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78WA048 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WA049 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78WA050 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78WA051 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WA052 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WA053 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WA054 | 20.0 | 50 | N | N | 30.0 | 15 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WA055 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 200 |
| 78WA056 | 30.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 150 | 20 | 300 |
| 78WM100 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WM101 | 30.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WM102 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WM104 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78WM105 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WM106 | 50.0 | 50 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 100 | 30 | 200 |
| 78WM107 | 20.0 | 50 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78WM108 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WM109 | 50.0 | 50 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |
| 78WM110 | 30.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 100 | 30 | 700 |
| 78WM111 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78WM112 | 20.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WM113 | 15.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 100 | 70 | 20 | 200 |
| 78WM114 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WM115 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WM116 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78WM117 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78WM118 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78WP001 | 15.0 | 30 | N | N | 5.0 | 20 | 5.0 | N | 100 | 50 | 15 | 70 |
| 78WP002 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 78WP003 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 30 | 200 |
| 78WP004 | 20.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 78WP005 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 200 | 100 | 30 | 200 |
| 78WP006 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 200 |
| 78WP007 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 78WP008 | 50.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 50 | 300 |
| 78WF009 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |

U-HORIZON SOIL SAMPLES---continued

| Sample | Latitude | Longitude | Fe % | Nd % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78WP010 | 46 49 3 | 89 42 8 | 3.00 | .30 | .70 | .70 | 700 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78WP011 | 46 49 4 | 89 42 43 | 5.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WP012 | 46 48 59 | 89 43 22 | 3.00 | .30 | .70 | .70 | 300 | N | 50 | 700.0 | <.7 | 10.0 | 100 |
| 78WP013 | 46 48 53 | 89 43 57 | 5.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78WP014 | 46 48 45 | 89 44 36 | 3.00 | .30 | .50 | .70 | 700 | N | 50 | 500.0 | 1.0 | 10.0 | 70 |
| 78WP015 | 46 48 11 | 89 37 19 | 5.00 | .30 | .50 | .70 | 500 | N | 200 | 500.0 | <.7 | 10.0 | 70 |
| 78WP016 | 46 47 40 | 89 37 31 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 50 |
| 78WP017 | 46 47 17 | 89 37 21 | 5.00 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78WP018 | 46 46 23 | 89 37 24 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78WP019 | 46 45 35 | 89 37 17 | 5.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WP020 | 46 45 10 | 89 38 17 | 1.50 | .20 | .50 | .30 | 200 | N | 70 | 500.0 | <.7 | <3.0 | 30 |
| 78WR001 | 46 14 31 | 89 45 46 | 3.00 | .30 | .50 | .50 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WR002 | 46 13 29 | 89 46 2 | 5.00 | .30 | .50 | .70 | 500 | N | 20 | 500.0 | N | 10.0 | 70 |
| 78WR003 | 46 14 17 | 89 47 13 | 3.00 | .30 | .70 | .70 | 500 | N | 20 | 500.0 | <.7 | 7.0 | 50 |
| 78WR004 | 46 13 16 | 89 48 3 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WR005 | 46 12 35 | 89 47 3 | 5.00 | .30 | 1.00 | 1.00 | 500 | N | 50 | 700.0 | <.7 | 15.0 | 100 |
| 78WR006 | 46 11 36 | 89 47 27 | 3.00 | .30 | .70 | .70 | 300 | N | 50 | 700.0 | <.7 | 10.0 | 70 |
| 78WR007 | 46 10 52 | 89 46 57 | 3.00 | .30 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WR008 | 46 11 13 | 89 45 27 | 5.00 | .50 | 1.00 | >.70 | 500 | N | 20 | 500.0 | <.7 | 20.0 | 100 |
| 78WR009 | 46 9 24 | 89 45 29 | 5.00 | .30 | .70 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WR010 | 46 9 31 | 89 43 11 | 5.00 | .30 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR011 | 46 9 15 | 89 46 57 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WR012 | 46 7 42 | 89 47 31 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | N | 15.0 | 70 |
| 78WR013 | 46 8 36 | 89 46 4 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78WR014 | 46 9 10 | 89 49 52 | 5.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78WR015 | 46 8 19 | 89 49 30 | 7.00 | .50 | 1.00 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR016 | 46 7 16 | 89 49 34 | 5.00 | .30 | .50 | .50 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WR017 | 46 7 53 | 89 51 37 | 5.00 | .30 | .70 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WR018 | 46 8 52 | 89 51 47 | 7.00 | .70 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 150 |
| 78WR019 | 46 10 43 | 89 52 14 | 5.00 | .30 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR020 | 46 10 43 | 89 50 29 | 5.00 | .30 | .70 | .70 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR021 | 46 10 59 | 89 48 59 | 5.00 | .50 | .70 | 1.00 | 300 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR022 | 46 13 46 | 89 49 0 | 5.00 | .30 | .70 | 1.00 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WR023 | 46 12 22 | 89 49 56 | 5.00 | .30 | .70 | 1.00 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78WR024 | 46 14 36 | 89 50 6 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 78WR025 | 46 13 43 | 89 50 32 | 5.00 | .30 | .70 | 1.00 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 200 |
| 78WR026 | 46 14 5 | 89 52 42 | 5.00 | .30 | .50 | .70 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WR027 | 46 14 56 | 89 52 12 | 3.00 | .50 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78WR028 | 46 14 21 | 89 54 25 | 5.00 | .50 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR029 | 46 13 2 | 89 53 12 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 78WP010 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 78WP011 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WP012 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 700 |
| 78WP013 | 50.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78WP014 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78WP015 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78WP016 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 700 |
| 78WP017 | 70.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 78WP018 | 50.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78WP019 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WP020 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 150 | 50 | 20 | 150 |
| 78WR001 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 15 | 150 |
| 78WR002 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78WR003 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WR004 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WR005 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WR006 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR007 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78WR008 | 50.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 200 | 20 | 500 |
| 78WR009 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 700 |
| 78WR010 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR011 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WR012 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78WR013 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR014 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78WR015 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78WR016 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WR017 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WR018 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WR019 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR020 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR021 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WR022 | 70.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR023 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WR024 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 200 | 20 | 200 |
| 78WR025 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78WR026 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 150 | 150 | 20 | 200 |
| 78WR027 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 300 |
| 78WR028 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 200 | 30 | 700 |
| 78WR029 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 20 | 300 |

b-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78WR030 | 46 12 13 | 89 53 12 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WR031 | 46 11 8 | 89 53 9 | 5.00 | .30 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78WR032 | 46 11 35 | 89 55 34 | 5.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WR034 | 46 13 13 | 89 54 19 | 5.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WR036 | 46 11 20 | 89 56 59 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WR037 | 46 11 21 | 89 58 10 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 78WR038 | 46 11 1 | 89 59 30 | 5.00 | .30 | .50 | .70 | 500 | N | 200 | 500.0 | <.7 | 15.0 | 100 |
| 78WR039 | 46 10 12 | 89 58 45 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WR040 | 46 10 15 | 89 56 9 | 2.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 50 |
| 78WR041 | 46 9 11 | 89 55 38 | 5.00 | .30 | .50 | .30 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WR042 | 46 9 44 | 89 52 20 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 300.0 | <.7 | 15.0 | 70 |
| 78WR043 | 46 8 54 | 89 53 18 | 5.00 | .50 | .70 | .10 | 500 | N | 50 | 300.0 | <.7 | 20.0 | 100 |
| 78WR044 | 46 8 30 | 89 54 29 | 5.00 | .30 | .70 | .70 | 700 | N | 30 | 300.0 | <.7 | 20.0 | 100 |
| 78WR045 | 46 8 28 | 89 57 11 | 5.00 | .30 | .70 | 1.00 | 500 | N | 30 | 300.0 | <.7 | 20.0 | 70 |
| 78WR046 | 46 8 30 | 89 58 38 | 5.00 | .30 | .50 | .70 | 300 | N | 30 | 300.0 | <.7 | 15.0 | 70 |
| 78WR047 | 46 6 9 | 89 52 48 | 5.00 | .30 | .50 | .70 | 700 | N | 10 | 300.0 | N | 15.0 | 70 |
| 78WR048 | 46 5 59 | 89 54 29 | 3.00 | .30 | .70 | .70 | 500 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78WR049 | 46 6 0 | 89 55 41 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78WR050 | 46 5 57 | 89 56 56 | 3.00 | .30 | .70 | .50 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WR051 | 46 6 3 | 89 58 5 | 5.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | N | 15.0 | 70 |
| 78WR052 | 46 6 46 | 89 59 1 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WR053 | 46 7 39 | 89 57 55 | 5.00 | .30 | .70 | .70 | 700 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WR054 | 46 5 7 | 89 58 51 | 5.00 | .50 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78WR055 | 46 4 30 | 89 56 33 | 7.00 | .30 | .70 | 1.00 | 700 | N | 70 | 500.0 | <.7 | 15.0 | 200 |
| 78WR056 | 46 6 6 | 89 56 42 | 5.00 | .30 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78WR057 | 46 5 8 | 89 49 54 | 7.00 | .50 | .70 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 100 |
| 78WR058 | 46 4 19 | 89 48 19 | 5.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78WR059 | 46 4 42 | 89 45 58 | 7.00 | .50 | .70 | 1.00 | 500 | N | 50 | 500.0 | <.7 | 20.0 | 100 |
| 78WR060 | 46 6 18 | 89 46 52 | 7.00 | .30 | .70 | 1.00 | 700 | N | 100 | 500.0 | <.7 | 20.0 | 100 |
| 78WR061 | 46 5 57 | 89 48 0 | 7.00 | .30 | .70 | 1.00 | 700 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WR100 | 46 2 26 | 89 55 10 | 2.00 | .20 | .30 | .50 | 200 | N | 30 | 500.0 | N | 7.0 | 50 |
| 78WR101 | 46 1 47 | 89 55 12 | 1.50 | .15 | .15 | .30 | 200 | N | 50 | 500.0 | N | <3.0 | 30 |
| 78WR102 | 46 1 50 | 89 56 26 | 3.00 | .20 | .30 | .50 | 500 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78WR103 | 46 1 50 | 89 57 37 | 3.00 | .30 | .30 | .50 | 500 | N | 100 | 500.0 | N | 10.0 | 70 |
| 78WR104 | 46 1 58 | 89 58 39 | 3.00 | .30 | .30 | .70 | 300 | N | 10 | 500.0 | N | 10.0 | 70 |
| 78WR105 | 46 2 46 | 89 58 45 | 3.00 | .50 | .30 | .50 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78WR106 | 46 3 24 | 89 59 55 | 3.00 | .20 | .20 | .30 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WR107 | 46 0 53 | 89 57 36 | 3.00 | .30 | .30 | .30 | 500 | N | 50 | 700.0 | N | 10.0 | 70 |
| 78WR108 | 46 0 29 | 89 58 41 | 3.00 | .30 | .30 | .50 | 500 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78WR110 | 46 0 44 | 89 55 8 | 5.00 | .50 | .30 | .70 | 700 | N | 50 | 700.0 | N | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | Ld | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78WR030 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WR031 | 30.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WR032 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WR034 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 150 | 30 | 700 |
| 78WR036 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78WR037 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WR038 | 50.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 78WR039 | 30.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WR040 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WR041 | 20.0 | 50 | N | N | 20.0 | 15 | 10.0 | N | 100 | 100 | 15 | 150 |
| 78WR042 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WR043 | 50.0 | 50 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WR044 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78WR045 | 30.0 | 70 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78WR046 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78WR047 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78WR048 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 78WR049 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78WR050 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WR051 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78WR052 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WR053 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 78WR054 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WR055 | 50.0 | 70 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 300 | 30 | 700 |
| 78WR056 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 200 | 20 | 150 |
| 78WR057 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 200 | 20 | 300 |
| 78WR058 | 30.0 | 200 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 78WR059 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 78WR060 | 30.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 20 | 1,000 |
| 78WR061 | 50.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 30 | 700 |
| 78WR100 | 15.0 | 20 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 10 | 100 |
| 78WR101 | 10.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | <70 | 50 | 10 | 150 |
| 78WR102 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78WR103 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 100 |
| 78WR104 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 100 |
| 78WR105 | 30.0 | 30 | N | N | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78WR106 | 15.0 | 20 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 10 | 100 |
| 78WR107 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 10 | 100 |
| 78WR108 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78WR110 | 30.0 | 20 | N | N | 50.0 | 20 | 7.0 | N | 100 | 200 | 30 | 700 |

D-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|-------|-----|------|-----|
| 78WR111 | 46 0 42 | 89 56 10 | 5.00 | .50 | .30 | .70 | 700 | N | 50 | 300.0 | N | 15.0 | 100 |
| 78WR113 | 46 0 13 | 89 53 55 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 700.0 | N | 7.0 | 50 |
| 78WR114 | 46 0 55 | 89 54 16 | 3.00 | .30 | .30 | 1.00 | 500 | N | 30 | 500.0 | N | 7.0 | 70 |
| 78WR115 | 46 1 3 | 89 53 11 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 500.0 | N | 10.0 | 70 |
| 78WR116 | 46 0 43 | 89 52 12 | 3.00 | .30 | .30 | 1.00 | 500 | N | 30 | 500.0 | N | 7.0 | 70 |
| 78WR117 | 46 0 15 | 89 52 10 | 2.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 50 |
| 78WR118 | 46 1 33 | 89 52 7 | 3.00 | .20 | .20 | .50 | 1,000 | N | 20 | 500.0 | <.7 | 7.0 | 50 |
| 78WR119 | 46 2 26 | 89 51 57 | 3.00 | .20 | .30 | .70 | 500 | N | 20 | 500.0 | N | 10.0 | 70 |
| 78WR120 | 46 3 8 | 89 50 56 | 2.00 | .50 | .30 | .50 | 500 | N | 10 | 500.0 | N | 7.0 | 50 |
| 78WR121 | 46 1 4 | 89 50 48 | 3.00 | .30 | .30 | .70 | 700 | N | 20 | 500.0 | <.7 | 10.0 | 100 |
| 78WR122 | 46 0 51 | 89 49 47 | 3.00 | .30 | .30 | .70 | 1,000 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WR123 | 46 1 46 | 89 49 7 | 3.00 | .30 | .30 | .50 | 700 | N | 100 | 500.0 | <.7 | 10.0 | 50 |
| 78WR124 | 46 0 43 | 89 48 22 | 3.00 | .30 | .30 | .70 | 700 | N | 50 | 500.0 | N | 10.0 | 70 |
| 78WR125 | 46 0 14 | 89 48 41 | 2.00 | .20 | .30 | .50 | 700 | N | 50 | 500.0 | <.7 | 10.0 | 50 |
| 78WR126 | 46 1 52 | 89 47 11 | 1.50 | .20 | .30 | .30 | 500 | N | 70 | 500.0 | N | 7.0 | 30 |
| 78WR127 | 46 0 53 | 89 46 53 | 2.00 | .20 | .30 | .50 | 500 | N | 50 | 300.0 | <.7 | 7.0 | 150 |
| 78WR128 | 46 0 17 | 89 47 9 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 78WR129 | 46 2 8 | 89 45 3 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 700.0 | N | 7.0 | 70 |
| 78WR130 | 46 2 33 | 89 46 6 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 700.0 | <.7 | 7.0 | 50 |
| 78WR131 | 46 3 22 | 89 45 56 | 3.00 | .50 | .30 | .70 | 300 | N | 20 | 500.0 | N | 10.0 | 70 |
| 78WR132 | 46 4 11 | 89 45 32 | 2.00 | .30 | .30 | .50 | 300 | N | 30 | 500.0 | <.7 | 5.0 | 50 |
| 78WT091 | 46 16 16 | 89 11 45 | 3.00 | .20 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 78WT092 | 46 16 30 | 89 12 57 | 3.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78WT093 | 46 16 35 | 89 14 13 | 5.00 | .30 | .70 | .70 | 300 | N | 20 | 500.0 | <.7 | 10.0 | 70 |
| 78WT094 | 46 15 44 | 89 10 37 | 5.00 | .30 | .50 | .70 | 200 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WT095 | 46 17 16 | 89 10 37 | 5.00 | .30 | .70 | 1.00 | 700 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78WT096 | 46 18 7 | 89 10 51 | 5.00 | .50 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 15.0 | 70 |
| 78WT097 | 46 18 40 | 89 11 7 | 1.50 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | <3.0 | 30 |
| 78WT098 | 46 18 32 | 89 12 19 | 3.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 15.0 | 70 |
| 78WT099 | 46 19 11 | 89 13 7 | 3.00 | .50 | .70 | .70 | 300 | N | 50 | 500.0 | <.7 | 15.0 | 70 |
| 78WT100 | 46 19 10 | 89 14 12 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WT101 | 46 19 33 | 89 11 15 | 3.00 | .50 | .70 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 70 |
| 78WT102 | 46 20 17 | 89 10 48 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT103 | 46 20 54 | 89 11 46 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT104 | 46 20 19 | 89 12 33 | 5.00 | .50 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WT105 | 46 22 14 | 89 12 34 | 5.00 | .30 | .50 | .70 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 100 |
| 78WT106 | 46 21 47 | 89 13 4 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78WT107 | 46 22 58 | 89 13 31 | 3.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT108 | 46 23 43 | 89 13 40 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 78WT109 | 46 24 34 | 89 13 39 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-------|
| 78WR111 | 30.0 | 20 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 15 | 200 |
| 78WR113 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78WR114 | 30.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78WR115 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78WR116 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 15 | 500 |
| 78WR117 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | 10 | 100 | 70 | 10 | 200 |
| 78WR118 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 15 | 500 |
| 78WR119 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78WR120 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78WR121 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78WR122 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 200 |
| 78WR123 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78WR124 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78WR125 | 15.0 | 50 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 150 |
| 78WR126 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 10 | 150 |
| 78WR127 | 10.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78WR128 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 500 |
| 78WR129 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 78WR130 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 78WR131 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 78WR132 | 20.0 | 150 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 15 | 100 |
| 78WT001 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT002 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WT003 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78WT004 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WT005 | 30.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 200 | 20 | 1,000 |
| 78WT006 | 50.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT007 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78WT008 | 50.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT009 | 30.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT010 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT011 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT012 | 50.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT013 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT018 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT019 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT020 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WT021 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT022 | 15.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT023 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | dry % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|-------|------|------|-----|----|-----|-------|-----|------|-----|
| 78WT024 | 46 25 31 | 89 14 21 | 5.00 | .70 | .50 | .70 | 700 | N | 70 | 500.0 | <.7 | 20.0 | 100 |
| 78WT025 | 46 26 18 | 89 14 52 | 5.00 | .30 | .70 | .50 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WT026 | 46 24 9 | 89 12 43 | 3.00 | 5.00 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WT027 | 46 23 52 | 89 10 39 | 3.00 | .20 | .20 | .50 | 300 | N | 50 | 500.0 | <.7 | 5.0 | 70 |
| 78WT028 | 46 23 0 | 89 10 34 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT029 | 46 22 10 | 89 10 12 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 70 |
| 78WT030 | 46 21 5 | 89 10 9 | 3.00 | .15 | .15 | .70 | 150 | N | 70 | 500.0 | <.7 | <3.0 | 50 |
| 78WT031 | 46 15 43 | 89 9 25 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT032 | 46 15 39 | 89 8 13 | 3.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WT033 | 46 15 13 | 89 7 7 | 3.00 | .30 | .50 | .70 | 200 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78WT035 | 46 16 32 | 89 6 34 | 1.50 | .30 | .50 | 1.00 | 200 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78WT036 | 46 17 23 | 89 6 25 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 10 |
| 78WT037 | 46 17 16 | 89 7 39 | 3.00 | .30 | .50 | .70 | 200 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78WT038 | 46 16 51 | 89 8 46 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT039 | 46 17 36 | 89 3 33 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 50 |
| 78WT040 | 46 16 45 | 89 3 43 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 150 |
| 78WT041 | 46 15 58 | 89 3 12 | 3.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WT042 | 46 15 12 | 89 3 8 | 5.00 | .30 | .50 | .70 | 500 | N | 50 | 500.0 | <.7 | 15.0 | 100 |
| 78WT043 | 46 17 35 | 89 2 31 | 3.00 | .20 | .30 | .30 | 300 | N | 30 | 500.0 | <.7 | 7.0 | 50 |
| 78WT044 | 46 16 58 | 89 1 44 | 5.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT045 | 46 17 17 | 89 0 30 | 5.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT046 | 46 16 9 | 89 0 47 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT047 | 46 15 26 | 89 0 5 | 3.00 | .30 | .30 | .70 | 200 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT048 | 46 16 24 | 89 2 52 | 3.00 | .30 | .50 | .70 | 700 | N | 150 | 700.0 | <.7 | 7.0 | 100 |
| 78WT049 | 46 19 1 | 89 2 0 | 5.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 15.0 | 100 |
| 78WT050 | 46 19 38 | 89 1 36 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 5.0 | 70 |
| 78WT051 | 46 20 29 | 89 1 51 | 3.00 | .20 | .30 | .70 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 78WT052 | 46 20 42 | 89 0 26 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WT053 | 46 21 26 | 89 1 30 | 3.00 | .20 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78WT054 | 46 22 12 | 89 0 40 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT055 | 46 18 19 | 89 6 30 | 3.00 | .20 | .50 | .70 | 300 | N | 70 | 300.0 | <.7 | 10.0 | 50 |
| 78WT056 | 46 18 30 | 89 5 41 | 3.00 | .20 | .30 | .70 | 300 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WT058 | 46 19 17 | 89 6 8 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WT059 | 46 19 33 | 89 4 55 | 3.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 50 |
| 78WT060 | 46 20 23 | 89 4 57 | 3.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WT061 | 46 21 19 | 89 5 35 | 3.00 | .30 | .30 | .70 | 500 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WT062 | 46 21 40 | 89 4 19 | 3.00 | .30 | .30 | .50 | 500 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WT063 | 46 22 24 | 89 4 43 | 3.00 | .50 | .70 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78WT064 | 46 23 10 | 89 4 36 | 2.00 | .20 | .50 | .50 | 300 | N | 70 | 500.0 | N | 5.0 | 30 |
| 78WT065 | 46 21 27 | 89 2 54 | 3.00 | .50 | .50 | 1.00 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|-----|-----|
| 78WT024 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT025 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WT026 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT027 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT028 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78WT029 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT030 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | <70 | 200 | 20 | 500 |
| 78WT031 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT032 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT033 | 15.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT035 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT036 | 20.0 | 20 | N | N | 50.0 | 20 | 10.0 | 20 | 100 | 150 | 20 | 500 |
| 78WT037 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT038 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT039 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT040 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT041 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT042 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78WT043 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 100 | 200 |
| 78WT044 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT045 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78WT046 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT047 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT048 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WT049 | 20.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT050 | 20.0 | 30 | N | N | 15.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT051 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78WT052 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WT053 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | <70 | 150 | 20 | 700 |
| 78WT054 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WT055 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78WT056 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 15 | 300 |
| 78WT058 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 78WT059 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 500 |
| 78WT060 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT061 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT062 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 78WT063 | 30.0 | 150 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 200 |
| 78WT064 | 10.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 78WT065 | 20.0 | 50 | N | <15 | 30.0 | 30 | 5.0 | N | 100 | 150 | 20 | 500 |

ii-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|----|-----|-------|-----|------|-----|
| 78WT066 | 46 21 22 | 89 6 48 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 78WT067 | 46 21 23 | 89 8 10 | 1.50 | .15 | .15 | .30 | 300 | N | 100 | 500.0 | N | <3.0 | 20 |
| 78WT068 | 46 20 15 | 89 8 7 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT069 | 46 19 14 | 89 8 30 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT070 | 46 18 52 | 89 7 47 | 3.00 | .30 | .70 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT071 | 46 19 2 | 89 9 34 | 3.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WT073 | 46 21 35 | 89 9 26 | 2.00 | .20 | .30 | .50 | 300 | N | 30 | 500.0 | <.7 | 5.0 | 50 |
| 78WT074 | 46 24 5 | 89 9 29 | 2.00 | .20 | .20 | .70 | 300 | N | 70 | 300.0 | <.7 | 5.0 | 200 |
| 78WT075 | 46 23 37 | 89 8 26 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT076 | 46 23 6 | 89 7 26 | 5.00 | .30 | .50 | .70 | 500 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78WT077 | 46 22 39 | 89 6 23 | 3.00 | .30 | .70 | .70 | 500 | N | 50 | 500.0 | <.7 | 10.0 | 70 |
| 78WT078 | 46 21 59 | 89 6 1 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 500.0 | N | 5.0 | 50 |
| 78WT079 | 46 24 21 | 89 7 55 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WT080 | 46 24 26 | 89 6 33 | 3.00 | .30 | .70 | .70 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT081 | 46 24 35 | 89 5 27 | 3.00 | .50 | .70 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT082 | 46 24 15 | 89 4 14 | 5.00 | .30 | .70 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WT083 | 46 24 24 | 89 2 58 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT084 | 46 23 54 | 89 1 53 | 3.00 | .20 | .50 | 1.00 | 500 | N | 50 | 500.0 | <.7 | 7.0 | 70 |
| 78WT085 | 46 23 51 | 89 0 42 | 5.00 | .30 | .50 | 1.00 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT086 | 46 24 34 | 89 1 22 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 50 |
| 78WT087 | 46 23 20 | 89 2 35 | 5.00 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | <.7 | 10.0 | 100 |
| 78WT088 | 46 22 36 | 89 3 7 | 5.00 | .30 | .50 | 1.00 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT089 | 46 24 36 | 89 8 47 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT090 | 46 25 27 | 89 8 22 | 3.00 | .30 | .50 | .50 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WT091 | 46 26 15 | 89 8 41 | 3.00 | .20 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 78WT092 | 46 25 29 | 89 5 1 | 2.00 | .20 | .50 | .50 | 200 | N | 100 | 500.0 | <.7 | 5.0 | 50 |
| 78WT093 | 46 26 21 | 89 4 51 | 2.00 | .30 | .50 | .50 | 300 | N | 150 | 500.0 | <.7 | 5.0 | 70 |
| 78WT094 | 46 26 6 | 89 6 12 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 500.0 | <.7 | 10.0 | 70 |
| 78WT095 | 46 26 46 | 89 3 40 | 2.00 | .30 | .50 | .30 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 50 |
| 78WT096 | 46 27 8 | 89 2 27 | 3.00 | .30 | .50 | .30 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 78WT097 | 46 26 29 | 89 2 17 | 2.00 | .30 | .50 | .30 | 300 | N | 150 | 500.0 | <.7 | 10.0 | 70 |
| 78WT098 | 46 25 58 | 89 2 56 | 3.00 | .30 | .50 | .30 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78WT099 | 46 25 23 | 89 1 55 | 3.00 | .30 | .30 | .30 | 300 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 78WT100 | 46 27 49 | 89 1 53 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT101 | 46 27 28 | 89 0 40 | 2.00 | .20 | .50 | .50 | 500 | N | 150 | 500.0 | <.7 | 7.0 | 70 |
| 78WT102 | 46 26 30 | 89 0 35 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT103 | 46 25 44 | 89 0 11 | 3.00 | .30 | .50 | .70 | 200 | N | 30 | 500.0 | <.7 | 10.0 | 70 |
| 78WT104 | 46 24 55 | 89 0 10 | 3.00 | .50 | .70 | .50 | 200 | N | 100 | 500.0 | <.7 | 10.0 | 70 |
| 78WT105 | 46 28 22 | 89 0 38 | 3.00 | .50 | .50 | .70 | 700 | N | 70 | 700.0 | <.7 | 15.0 | 70 |
| 78WT106 | 46 29 25 | 89 0 38 | 3.00 | .30 | .50 | 1.00 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 70 |

B-HORIZON SOIL SAMPLES -continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|------|----|-----|------|----|------|----|-----|-----|----|-----|
| 78WT066 | 20.0 | 5.1 | N | N | 20.0 | 30 | 5.0 | N | 100 | 150 | 20 | 700 |
| 78WT067 | 10.0 | 5.0 | N | N | 10.0 | 20 | <3.0 | N | <70 | 70 | <7 | 700 |
| 78WT068 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT069 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WT070 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT071 | 20.0 | 5.0 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 78WT073 | 20.0 | 3.0 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 78WT074 | 15.0 | 3.0 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78WT075 | 30.0 | 3.0 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78WT076 | 20.0 | 10.0 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 78WT077 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT078 | 15.0 | 5.0 | N | N | 7.0 | 20 | 5.0 | N | 100 | 150 | 20 | 150 |
| 78WT079 | 20.0 | 5.0 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 78WT080 | 20.0 | 5.0 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 78WT081 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT082 | 20.0 | 5.0 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT083 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT084 | 15.0 | 3.0 | N | N | 15.0 | 30 | 5.0 | N | 100 | 150 | 15 | 500 |
| 78WT085 | 30.0 | 5.0 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78WT086 | 20.0 | 5.0 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT087 | 20.0 | 5.0 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT088 | 30.0 | 5.0 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 700 |
| 78WT089 | 50.0 | 5.0 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 78WT090 | 20.0 | 5.0 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WT091 | 15.0 | 5.0 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 15 | 700 |
| 78WT092 | 20.0 | 5.0 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78WT093 | 20.0 | 5.0 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 78WT094 | 20.0 | 5.0 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78WT095 | 20.0 | 5.0 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 78WT096 | 20.0 | 5.0 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78WT097 | 20.0 | 5.0 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78WT098 | 20.0 | 5.0 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WT099 | 20.0 | 5.0 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 700 |
| 78WT200 | 30.0 | 5.0 | N | <15 | 30.0 | 30 | 15.0 | N | 100 | 100 | 30 | 700 |
| 78WT201 | 20.0 | 5.0 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 700 |
| 78WT202 | 20.0 | 5.0 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 78WT203 | 20.0 | 3.0 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 78WT204 | 15.0 | 3.0 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 15 | 500 |
| 78WT205 | 20.0 | 3.0 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 20 | 200 |
| 78WT206 | 20.0 | 7.0 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 700 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Al % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|---------|-----|------|-----|
| 78WT207 | 46 29 11 | 89 2 6 | 3.00 | .30 | .50 | .70 | 300 | N | 50 | 700.0 | <.7 | 10.0 | 70 |
| 78WT208 | 46 28 29 | 89 3 43 | 5.00 | .70 | .50 | .70 | 700 | N | 150 | 700.0 | <.7 | 15.0 | 100 |
| 78WT209 | 46 29 56 | 89 3 56 | 1.50 | .30 | .50 | .70 | 300 | N | 150 | 500.0 | N | <3.0 | 30 |
| 78WT210 | 46 27 32 | 89 4 35 | 2.00 | .30 | .50 | .50 | 300 | N | 100 | 500.0 | N | 5.0 | 50 |
| 78WT211 | 46 27 58 | 89 5 59 | 2.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 5.0 | 50 |
| 79CF001 | 46 6 8 | 88 21 21 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 1,000.0 | N | 7.0 | 150 |
| 79CF002 | 46 6 59 | 88 21 37 | 3.00 | .30 | .50 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 150 |
| 79CF003 | 46 7 50 | 88 22 0 | 2.00 | .30 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 150 |
| 79CF004 | 46 8 55 | 88 21 54 | 2.00 | .30 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF005 | 46 9 42 | 88 22 34 | 3.00 | .50 | .50 | .70 | 1,000 | 1.00 | 150 | 1,000.0 | N | 7.0 | 100 |
| 79CF006 | 46 10 31 | 88 22 36 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF007 | 46 11 22 | 88 22 59 | 3.00 | .50 | .70 | .70 | 1,000 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79CF008 | 46 10 54 | 88 21 15 | 3.00 | .30 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79CF009 | 46 11 13 | 88 19 43 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 150 |
| 79CF010 | 46 12 10 | 88 19 12 | 3.00 | .50 | .70 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 150 |
| 79CF011 | 46 12 15 | 88 17 42 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79CF012 | 46 13 13 | 88 16 44 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF013 | 46 13 58 | 88 16 17 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF014 | 46 14 51 | 88 15 40 | 3.00 | .50 | .50 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79CF015 | 46 12 59 | 88 15 9 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF016 | 46 12 21 | 88 22 59 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79CF017 | 46 13 16 | 88 22 57 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF018 | 46 12 49 | 88 21 40 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF019 | 46 13 40 | 88 20 59 | 3.00 | .50 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF020 | 46 14 36 | 88 21 8 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 100 |
| 79CF021 | 46 12 53 | 88 20 17 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF022 | 46 13 44 | 88 19 55 | 3.00 | .30 | .30 | .50 | 500 | .50 | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79CF023 | 46 14 37 | 88 19 38 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79CF024 | 46 10 53 | 88 16 47 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF025 | 46 10 51 | 88 17 48 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF026 | 46 11 15 | 88 18 37 | 5.00 | .50 | .50 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF027 | 46 10 54 | 88 23 39 | 2.00 | .50 | .50 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF028 | 46 11 34 | 88 24 17 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF029 | 46 11 49 | 88 23 39 | 2.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF030 | 46 11 55 | 88 24 41 | 3.00 | .50 | .70 | .50 | 1,000 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 79CF031 | 46 12 33 | 88 25 1 | 2.00 | .30 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF032 | 46 13 9 | 88 25 45 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF033 | 46 13 32 | 88 26 43 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF034 | 46 13 54 | 88 25 35 | 3.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF035 | 46 14 2 | 88 24 26 | 3.00 | .50 | .30 | 1.00 | 700 | 1.00 | 100 | 1,000.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 78WT207 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 78WT208 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 78WT209 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 50 | 15 | 100 |
| 78WT210 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 150 |
| 78WT211 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79CF001 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF002 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF003 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79CF004 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF005 | 20.0 | 30 | 7.0 | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79CF006 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF007 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF008 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 79CF009 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF010 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF011 | 20.0 | 30 | 7.0 | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF012 | 15.0 | 30 | <3.0 | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79CF013 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF014 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF015 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF016 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF017 | 15.0 | 30 | 7.0 | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79CF018 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79CF019 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF020 | 10.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 70 | 20 | 150 |
| 79CF021 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79CF022 | 15.0 | 30 | 5.0 | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 200 |
| 79CF023 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79CF024 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF025 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF026 | 30.0 | 30 | 5.0 | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 79CF027 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF028 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79CF029 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF030 | 30.0 | 20 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 50 |
| 79CF031 | 15.0 | 30 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79CF032 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF033 | 15.0 | 30 | 5.0 | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79CF034 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79CF035 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|-------|-----|---------|-----|------|-----|
| 79CF036 | 46 14 56 | 88 25 37 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF037 | 46 14 40 | 88 23 24 | 3.00 | .30 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF038 | 46 14 2 | 88 27 53 | 3.00 | .50 | .30 | 1.00 | 700 | N | 50 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF039 | 46 14 59 | 88 28 28 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF040 | 46 14 49 | 88 27 13 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF041 | 46 13 54 | 88 29 33 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF042 | 46 13 7 | 88 28 11 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF043 | 46 13 1 | 88 29 29 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF044 | 46 12 6 | 88 28 30 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF045 | 46 11 46 | 88 29 59 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF046 | 46 12 39 | 88 26 51 | 3.00 | .30 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF047 | 46 11 37 | 88 26 51 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF048 | 46 10 42 | 88 25 50 | 5.00 | .50 | .70 | .70 | 1,000 | N | 150 | 1,000.0 | <.7 | 20.0 | 150 |
| 79CF049 | 46 9 56 | 88 23 58 | 3.00 | .50 | .50 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF050 | 46 8 30 | 88 22 42 | 5.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF051 | 46 9 10 | 88 24 43 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF052 | 46 6 45 | 88 23 15 | 3.00 | .30 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF053 | 46 7 0 | 88 24 52 | 2.00 | .20 | .50 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79CF054 | 46 7 51 | 88 24 54 | 3.00 | .50 | .50 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF055 | 46 5 40 | 88 22 40 | 3.00 | .50 | .50 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF056 | 46 5 36 | 88 24 23 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF057 | 46 5 42 | 88 25 38 | 3.00 | .30 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF058 | 46 6 37 | 88 25 50 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF059 | 46 6 35 | 88 26 58 | 2.00 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF060 | 46 7 12 | 88 28 7 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF061 | 46 7 4 | 88 29 26 | 3.00 | .30 | .30 | .70 | 1,000 | 10.00 | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF062 | 46 7 33 | 88 26 47 | 3.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF063 | 46 5 38 | 88 26 44 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF064 | 46 5 47 | 88 27 56 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF065 | 46 5 45 | 88 29 27 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF066 | 46 4 54 | 88 27 56 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF067 | 46 4 12 | 88 28 46 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF068 | 46 3 35 | 88 29 38 | 3.00 | .50 | .50 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF069 | 46 4 37 | 88 26 28 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF070 | 46 4 46 | 88 24 51 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF071 | 46 3 53 | 88 24 23 | 5.00 | .50 | .30 | 1.00 | 1,000 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF072 | 46 4 49 | 88 23 32 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF073 | 46 3 44 | 88 25 59 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF074 | 46 3 59 | 88 22 54 | 3.00 | .30 | .50 | 1.00 | 1,500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF075 | 46 2 58 | 88 22 43 | 3.00 | .30 | .30 | .70 | 5,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79CF036 | 20.0 | 30 | N | N | 30.0 | 20 | 15.0 | N | 100 | 150 | 30 | 500 |
| 79CF037 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF038 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 79CF039 | 20.0 | 30 | N | N | 20.0 | 20 | 15.0 | N | 100 | 100 | 30 | 500 |
| 79CF040 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF041 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF042 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF043 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF044 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79CF045 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF046 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF047 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79CF048 | 30.0 | 30 | N | N | 50.0 | 30 | 15.0 | N | 150 | 200 | 30 | 200 |
| 79CF049 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79CF050 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF051 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF052 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF053 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79CF054 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF055 | 20.0 | 30 | N | N | 30.0 | 20 | 15.0 | N | 100 | 100 | 30 | 500 |
| 79CF056 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF057 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF058 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF059 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79CF060 | 10.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79CF061 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF062 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79CF063 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79CF064 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF065 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF066 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF067 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF068 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF069 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79CF070 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF071 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79CF072 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF073 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF074 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF075 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mo % | Ca % | Pi % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79CF076 | 46 2 31 | 88 23 45 | 3.00 | .30 | .30 | .70 | 1,500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF077 | 46 2 16 | 88 25 5 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF078 | 46 2 10 | 88 26 20 | 3.00 | .50 | .50 | .50 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF079 | 46 2 38 | 88 27 43 | 3.00 | .30 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79CF080 | 46 2 38 | 88 28 43 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF081 | 46 2 10 | 88 29 57 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF082 | 46 1 18 | 88 29 26 | 3.00 | .50 | .30 | 1.00 | 1,500 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79CF083 | 46 0 15 | 88 29 30 | 3.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,500.0 | N | 7.0 | 100 |
| 79CF084 | 46 0 31 | 88 28 12 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79CF085 | 46 1 31 | 88 23 14 | 3.00 | .50 | .50 | 1.00 | 1,500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF086 | 46 0 54 | 88 22 35 | 3.00 | .50 | .30 | 1.00 | 1,500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF087 | 46 0 54 | 88 24 17 | 3.00 | .30 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF088 | 46 0 54 | 88 25 44 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF089 | 46 0 5 | 88 26 10 | 3.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF090 | 46 0 6 | 88 27 10 | 5.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF091 | 46 5 9 | 88 20 1 | 3.00 | .50 | .30 | .70 | 700 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79CF092 | 46 4 23 | 88 20 4 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF093 | 46 3 29 | 88 20 23 | 3.00 | .50 | .30 | .70 | 1,000 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79CF094 | 46 3 12 | 88 21 53 | 3.00 | .30 | .30 | 1.00 | 3,000 | N | 300 | 1,500.0 | <.7 | 7.0 | 100 |
| 79CF095 | 46 2 26 | 88 21 8 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF096 | 46 1 34 | 88 20 47 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF097 | 46 1 19 | 88 22 3 | 3.00 | .30 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF098 | 46 0 19 | 88 20 31 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 10.0 | 100 |
| 79CF099 | 46 3 45 | 88 19 5 | 3.00 | .20 | .20 | .70 | 300 | N | 50 | 1,500.0 | <.7 | 7.0 | 50 |
| 79CF100 | 46 4 6 | 88 17 35 | 2.00 | .15 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | N | <3.0 | 70 |
| 79CF101 | 46 3 7 | 88 18 25 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF102 | 46 2 43 | 88 17 2 | 3.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF103 | 46 2 7 | 88 18 51 | 2.00 | .30 | .30 | .70 | 300 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79CF104 | 46 1 24 | 88 18 37 | 3.00 | .50 | .50 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF105 | 46 0 51 | 88 17 22 | 2.00 | .10 | .20 | .70 | 200 | N | 100 | 1,000.0 | N | <3.0 | 30 |
| 79CF106 | 46 0 2 | 88 15 53 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF107 | 46 0 29 | 88 18 47 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79CF108 | 46 5 49 | 88 18 48 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF109 | 46 4 52 | 88 18 11 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF110 | 46 4 9 | 88 16 12 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF111 | 46 3 28 | 88 15 3 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF112 | 46 5 54 | 88 17 15 | 3.00 | .30 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF113 | 46 5 23 | 88 16 0 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF114 | 46 6 24 | 88 16 12 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79CF115 | 46 7 12 | 88 15 50 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | Lu | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79CF076 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF077 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF078 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF079 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79CF080 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF081 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF082 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF083 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79CF084 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF085 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF086 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF087 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF088 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79CF089 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 700 |
| 79CF090 | 20.0 | 20 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79CF091 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF092 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF093 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 50 | 300 |
| 79CF094 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79CF095 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF096 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF097 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF098 | 30.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF099 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79CF100 | 15.0 | 50 | N | <15 | 5.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79CF101 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79CF102 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CF103 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79CF104 | 20.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 200 | 20 | 200 |
| 79CF105 | 7.0 | 30 | N | N | <3.0 | 20 | 5.0 | N | 100 | 150 | 20 | 200 |
| 79CF106 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79CF107 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79CF108 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF109 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF110 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79CF111 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79CF112 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79CF113 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF114 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF115 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |

--HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|-------|-----|---------|-----|------|-----|
| 79CF116 | 46 6 56 | 88 13 6 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79CF117 | 46 7 29 | 88 17 9 | 2.00 | .20 | .30 | .70 | 1,000 | N | 150 | 1,000.0 | <.7 | 5.0 | 30 |
| 79CF118 | 46 8 9 | 88 16 9 | 2.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF119 | 46 8 55 | 88 15 46 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF120 | 46 9 48 | 88 15 24 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF121 | 46 9 38 | 88 17 6 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF122 | 46 10 10 | 88 18 46 | 3.00 | .20 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | N | 7.0 | 70 |
| 79CF123 | 46 9 2 | 88 18 56 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | N | 10.0 | 100 |
| 79CF124 | 46 7 3 | 88 20 6 | 3.00 | .50 | .50 | 1.00 | 1,500 | N | 150 | 1,000.0 | <.7 | 15.0 | 100 |
| 79CF125 | 46 8 12 | 88 20 5 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF006 | 46 49 8 | 89 47 17 | 3.00 | .30 | .50 | 1.00 | 700 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 79CF007 | 46 48 33 | 89 48 48 | 3.00 | .30 | .50 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79CF008 | 46 48 2 | 89 50 14 | 5.00 | .50 | .50 | >1.50 | 500 | N | 100 | 1,000.0 | N | 10.0 | 150 |
| 79CF009 | 46 47 28 | 89 51 5 | 3.00 | .50 | .50 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF010 | 46 46 56 | 89 51 51 | 3.00 | .30 | .50 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF011 | 46 46 7 | 89 52 57 | 3.00 | .50 | .50 | 1.00 | 2,000 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 79CF012 | 46 45 17 | 89 53 59 | 3.00 | .30 | .50 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79CF013 | 46 49 26 | 89 45 23 | 3.00 | .30 | .70 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF017 | 46 50 30 | 89 14 55 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79CF002 | 46 49 49 | 89 13 11 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR009 | 46 48 22 | 89 11 58 | 3.00 | .50 | .30 | .70 | 300 | 15.00 | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR010 | 46 48 20 | 89 12 56 | 2.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR011 | 46 49 14 | 89 12 5 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR012 | 46 48 35 | 89 10 35 | 3.00 | .50 | .30 | .70 | 1,000 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR013 | 46 47 49 | 89 8 36 | 1.50 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79GR014 | 46 47 21 | 89 7 33 | 3.00 | .50 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR015 | 46 46 52 | 89 6 12 | 1.50 | .20 | .50 | .70 | 500 | N | 10 | 1,000.0 | <.7 | 5.0 | 50 |
| 79GR016 | 46 45 51 | 89 6 11 | 2.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR017 | 46 45 17 | 89 7 0 | 5.00 | .50 | .50 | 1.00 | 700 | N | 150 | 700.0 | <.7 | 15.0 | 150 |
| 79GR018 | 46 46 48 | 89 6 21 | 3.00 | .30 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR019 | 46 45 31 | 89 5 6 | 5.00 | 1.00 | .30 | 1.00 | 700 | N | 200 | 1,500.0 | 1.0 | 15.0 | 100 |
| 79GR020 | 46 46 45 | 89 2 43 | 3.00 | .30 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR021 | 46 45 35 | 89 3 24 | 5.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 10.0 | 150 |
| 79GR022 | 46 46 11 | 89 0 2 | 3.00 | .50 | .50 | 1.00 | 700 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR023 | 46 45 7 | 89 0 30 | 3.00 | 1.00 | .30 | .70 | 700 | N | 200 | 1,500.0 | <.7 | 10.0 | 100 |
| 79GR024 | 46 45 37 | 89 1 51 | 2.00 | .20 | .30 | .50 | 500 | N | 200 | 1,000.0 | <.7 | <3.0 | 70 |
| 79GR025 | 46 46 49 | 89 1 24 | 2.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 70 |
| 79GR026 | 46 47 3 | 89 0 35 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR027 | 46 46 17 | 89 1 32 | 3.00 | .70 | .50 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79GR028 | 46 47 21 | 89 1 52 | 3.00 | .20 | .30 | .70 | 500 | N | 300 | 1,500.0 | <.7 | 7.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | Fe | Pb | Se | Sn | Sr | V | Y | Zr |
|---------|-------|-----|----|------|----|-----|-----|----|-----|
| 79CF116 | 20.0 | 30 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CF117 | 15.0 | 30 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79CF118 | 15.0 | 30 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79CF119 | 20.0 | 30 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79CF120 | 20.0 | 30 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF121 | 15.0 | 30 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79CF122 | 15.0 | 30 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 79CF123 | 20.0 | 30 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79CF124 | 30.0 | 30 | 30 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79CF125 | 20.0 | 30 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79CR006 | 30.0 | 50 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CR007 | 50.0 | 70 | 20 | 10.0 | N | 100 | 150 | 70 | 300 |
| 79CR008 | 70.0 | 30 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 79CR009 | 20.0 | 30 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 79CR010 | 50.0 | 30 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79CR011 | 50.0 | 30 | 20 | 10.0 | N | 100 | 200 | 30 | 200 |
| 79CR012 | 30.0 | 30 | 20 | 10.0 | N | 150 | 100 | 20 | 200 |
| 79CR013 | 50.0 | 50 | 20 | 10.0 | N | 150 | 150 | 50 | 300 |
| 79CR014 | 30.0 | 30 | 20 | 15.0 | N | 150 | 100 | 30 | 500 |
| 79CR015 | 10.0 | 50 | 20 | 5.0 | N | 150 | 70 | 20 | 70 |
| 79CR016 | 20.0 | 30 | 20 | 10.0 | N | 150 | 100 | 20 | 150 |
| 79CR017 | 50.0 | 30 | 20 | 10.0 | N | 100 | 300 | 30 | 200 |
| 79CR018 | 30.0 | 30 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR009 | 20.0 | 30 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR010 | 20.0 | 150 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR011 | 20.0 | 30 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR012 | 30.0 | 50 | 20 | 15.0 | N | 100 | 100 | 30 | 500 |
| 79GR013 | 15.0 | 50 | 20 | 7.0 | N | 150 | 70 | 20 | 300 |
| 79GR014 | 30.0 | 30 | 20 | 15.0 | N | 150 | 100 | 30 | 500 |
| 79GR015 | 10.0 | 50 | 20 | 5.0 | N | 150 | 70 | 20 | 70 |
| 79GR016 | 20.0 | 30 | 20 | 10.0 | N | 150 | 100 | 20 | 150 |
| 79GR017 | 50.0 | 30 | 20 | 10.0 | N | 100 | 300 | 30 | 200 |
| 79GR018 | 30.0 | 30 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR019 | 20.0 | 30 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79GR020 | 100.0 | 30 | 50 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79GR021 | 70.0 | 30 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 79GR022 | 20.0 | 50 | 20 | 10.0 | N | 100 | 100 | 50 | 300 |
| 79GR023 | 20.0 | 50 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79GR024 | 20.0 | 50 | 30 | 7.0 | N | 150 | 100 | 30 | 200 |
| 79GR025 | 15.0 | 50 | 30 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR026 | 20.0 | 50 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR027 | 30.0 | 50 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR028 | 10.0 | 30 | 20 | 5.0 | N | 100 | 100 | 30 | 200 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Au % | Cu % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79GR029 | 46 48 3 | 89 0 27 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR030 | 46 49 46 | 89 0 48 | 2.00 | .30 | .50 | .70 | 700 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR031 | 46 49 42 | 89 2 22 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR032 | 46 50 30 | 89 1 0 | 2.00 | .20 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR033 | 46 51 30 | 89 0 48 | 3.00 | .30 | .50 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79GR034 | 46 52 12 | 89 1 4 | 5.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR035 | 46 52 51 | 89 1 13 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79GR036 | 46 51 52 | 89 2 30 | 2.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR037 | 46 51 3 | 89 3 31 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR038 | 46 51 10 | 89 4 44 | 3.00 | .20 | .20 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 100 |
| 79GR039 | 46 51 9 | 89 6 11 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR040 | 46 50 17 | 89 6 10 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR041 | 46 49 19 | 89 6 4 | 2.00 | .50 | .51 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR042 | 46 48 32 | 89 6 6 | 5.00 | .50 | .50 | 1.00 | 2,000 | N | 150 | 1,000.0 | 1.0 | 15.0 | 100 |
| 79GR043 | 46 48 7 | 89 4 53 | 3.00 | .50 | .50 | .70 | 700 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR044 | 46 48 12 | 89 3 47 | 3.00 | .30 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR045 | 46 47 43 | 89 6 18 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR046 | 46 48 30 | 89 2 8 | 2.00 | .20 | .30 | .50 | 200 | N | 150 | 1,500.0 | <.7 | 5.0 | 100 |
| 79GR047 | 46 52 0 | 89 6 16 | 3.00 | .70 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR048 | 46 52 55 | 89 5 46 | 1.50 | .70 | .30 | .70 | 300 | N | 150 | 1,500.0 | <.7 | 5.0 | 50 |
| 79GR049 | 46 53 44 | 89 5 48 | 3.00 | .30 | .30 | .70 | 700 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR050 | 46 54 35 | 89 6 19 | 3.00 | .50 | .30 | 1.00 | 700 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79GR051 | 46 55 2 | 89 6 6 | 2.00 | .30 | .50 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79GR052 | 46 55 28 | 89 6 15 | 2.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR053 | 46 55 29 | 89 4 53 | 2.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR054 | 46 55 7 | 89 3 27 | 3.00 | .70 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR055 | 46 54 19 | 89 3 42 | 2.00 | .10 | .20 | .50 | 200 | N | 150 | 1,000.0 | <.7 | 5.0 | 30 |
| 79GR056 | 46 53 30 | 89 4 44 | 2.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79GR057 | 46 55 59 | 89 2 18 | 2.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79GR058 | 46 56 50 | 89 2 7 | 2.00 | .50 | .50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | N | 50 |
| 79GR059 | 46 56 20 | 89 5 5 | 2.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR060 | 46 57 15 | 89 5 23 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 5.0 | 50 |
| 79GR061 | 46 50 17 | 89 12 23 | 3.00 | .70 | .50 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 10.0 | 100 |
| 79GR062 | 46 51 57 | 89 12 23 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79GR063 | 46 51 55 | 89 13 47 | 3.00 | .50 | .50 | 1.00 | 700 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79GR064 | 46 51 56 | 89 14 55 | 3.00 | .70 | .30 | 1.00 | 700 | N | 100 | 1,500.0 | <.7 | 10.0 | 100 |
| 79GR065 | 46 52 2 | 89 11 11 | 2.00 | .20 | .30 | .70 | 300 | N | 70 | 1,500.0 | <.7 | 5.0 | 50 |
| 79GR066 | 46 52 48 | 89 8 57 | .70 | .20 | .30 | .50 | 200 | N | 100 | 1,500.0 | <.7 | <3.0 | 30 |
| 79GR067 | 46 51 4 | 89 9 43 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR068 | 46 51 54 | 89 9 53 | 3.00 | .50 | .50 | .50 | 2,000 | N | 200 | 1,000.0 | 2.0 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79GR029 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79GR030 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR031 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR032 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 30 | 500 |
| 79GR033 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 150 | 100 | 20 | 200 |
| 79GR034 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 200 |
| 79GR035 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 200 | 20 | 200 |
| 79GR036 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79GR037 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79GR038 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79GR039 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR040 | 20.0 | 30 | N | N | 15.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR041 | 20.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 150 | 100 | 20 | 300 |
| 79GR042 | 50.0 | 50 | N | N | 20.0 | 20 | 15.0 | N | 100 | 200 | 50 | 300 |
| 79GR043 | 30.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR044 | 50.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79GR045 | 20.0 | 50 | N | N | 10.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79GR046 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 150 | 70 | 20 | 300 |
| 79GR047 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR048 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 150 | 100 | 20 | 200 |
| 79GR049 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 79GR050 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR051 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR052 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR053 | 20.0 | 50 | N | <15 | 15.0 | 30 | 10.0 | N | 150 | 100 | 20 | 300 |
| 79GR054 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR055 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 79GR056 | 15.0 | 30 | N | N | 10.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR057 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 50 | 20 | 200 |
| 79GR058 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 150 | 100 | 30 | 200 |
| 79GR059 | 20.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 150 | 100 | 30 | 200 |
| 79GR060 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79GR061 | 30.0 | 50 | N | N | 30.0 | 20 | 15.0 | N | 100 | 100 | 30 | 200 |
| 79GR062 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79GR063 | 20.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 150 | 100 | 20 | 300 |
| 79GR064 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR065 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79GR066 | 10.0 | 50 | N | N | 7.0 | 20 | 5.0 | N | 100 | 30 | 15 | 100 |
| 79GR067 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR068 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 100 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 79GR069 | 46 51 54 | 89 8 39 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR070 | 46 51 53 | 89 7 13 | 3.00 | .70 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR071 | 46 49 52 | 89 7 9 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR072 | 46 46 37 | 89 12 28 | 5.00 | .70 | 1.50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR073 | 46 53 19 | 89 6 58 | 3.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR074 | 46 55 29 | 89 7 10 | 2.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79GR075 | 46 55 30 | 89 8 29 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR076 | 46 55 28 | 89 9 50 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79GR077 | 46 56 8 | 89 10 33 | 1.50 | .20 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79GR078 | 46 56 5 | 89 11 36 | 10.00 | .70 | .70 | >1.50 | 1,500 | N | 10 | 1,000.0 | N | 15.0 | 150 |
| 79GR079 | 46 57 6 | 89 10 38 | 10.00 | .50 | 1.00 | >1.50 | 1,500 | N | <7 | 1,000.0 | N | 15.0 | 150 |
| 79GR080 | 46 56 23 | 89 8 52 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79GR081 | 46 57 6 | 89 8 52 | 5.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR082 | 46 55 9 | 89 10 41 | 2.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 79GR083 | 46 55 11 | 89 11 42 | 1.00 | .20 | .30 | .50 | 500 | N | 50 | 1,000.0 | N | 5.0 | 50 |
| 79GR084 | 46 54 6 | 89 11 51 | .70 | .15 | .30 | .30 | 200 | N | 70 | 1,000.0 | <.7 | <3.0 | 20 |
| 79GR085 | 46 54 5 | 89 10 14 | 3.00 | .30 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR086 | 46 58 18 | 89 9 9 | 10.00 | .50 | .50 | >1.50 | 2,000 | N | N | 700.0 | N | 15.0 | 150 |
| 79GR087 | 46 59 11 | 89 8 11 | 1.00 | .50 | 1.00 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR088 | 46 59 9 | 89 6 22 | 5.00 | .30 | .30 | >1.50 | 1,500 | N | 200 | 1,000.0 | N | 7.0 | 100 |
| 79GR089 | 46 59 11 | 89 4 14 | 3.00 | .30 | .50 | 1.00 | 1,000 | N | 300 | 1,000.0 | N | 7.0 | 70 |
| 79GR090 | 46 59 32 | 89 3 9 | 3.00 | .50 | 1.00 | 1.00 | 500 | N | 100 | 700.0 | <.7 | 15.0 | 150 |
| 79GR091 | 46 59 49 | 89 1 34 | 3.00 | 1.00 | .30 | 1.00 | 2,000 | N | 100 | 1,000.0 | <.7 | 20.0 | 100 |
| 79GR092 | 46 59 39 | 89 0 2 | 2.00 | .20 | .50 | .50 | 300 | N | <7 | 1,500.0 | N | 5.0 | 70 |
| 79GR093 | 46 45 20 | 89 14 55 | 3.00 | .30 | 1.00 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR094 | 46 46 34 | 89 10 51 | 3.00 | .50 | 1.00 | >1.50 | 1,500 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 79GR095 | 46 45 2 | 89 11 15 | 3.00 | .50 | 1.00 | >1.50 | 1,500 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 79GR096 | 46 51 9 | 89 12 19 | 2.00 | .30 | .30 | 1.00 | 700 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 79GR097 | 46 53 39 | 89 14 54 | 3.00 | .70 | .50 | 1.00 | 1,000 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79GR098 | 46 53 54 | 89 13 24 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR099 | 46 56 32 | 89 0 24 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79GR100 | 46 58 5 | 89 0 1 | 2.00 | .50 | .70 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 79HE001 | 46 44 5 | 89 26 24 | 3.00 | .70 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 30 |
| 79HE002 | 46 43 20 | 88 28 11 | 3.00 | .70 | .30 | .70 | 300 | N | 150 | 700.0 | <.7 | 7.0 | 70 |
| 79HE003 | 46 44 46 | 89 28 51 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 700.0 | 1.0 | 10.0 | 100 |
| 79HE004 | 46 43 34 | 89 28 53 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79HE005 | 46 42 41 | 89 29 51 | 3.00 | .70 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 100 |
| 79HE006 | 46 44 47 | 89 25 47 | 3.00 | .70 | .30 | .70 | 300 | N | 70 | 500.0 | 1.5 | 7.0 | 50 |
| 79HE007 | 46 44 51 | 89 23 8 | 5.00 | 1.00 | .50 | .70 | 300 | N | 100 | 1,000.0 | 1.0 | 10.0 | 150 |
| 79HE008 | 46 43 57 | 89 21 9 | 3.00 | 1.00 | 1.00 | .70 | 500 | N | 70 | 700.0 | <.7 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES continued

| Sample | Cu | Li | Mo | Hf | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|-----|-----|-----|------|----|------|----|-----|-----|----|-----|
| 79GR062 | 15.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR070 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79GR071 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR072 | 20.0 | 50 | 7.0 | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR073 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR074 | 15.0 | 30 | N | <15 | 7.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79GR075 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 30 | 300 |
| 79GR076 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR077 | 10.0 | 30 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 70 | 20 | 150 |
| 79GR078 | 20.0 | <15 | N | <15 | 30.0 | 30 | 15.0 | N | 100 | 300 | 30 | 200 |
| 79GR079 | 30.0 | 20 | N | N | 30.0 | 30 | 15.0 | N | 100 | 300 | 30 | 200 |
| 79GR080 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR081 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79GR082 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR083 | 10.0 | 30 | N | N | 5.0 | 20 | 5.0 | N | 100 | 70 | 20 | 70 |
| 79GR084 | 7.0 | 50 | N | N | <3.0 | 20 | 5.0 | N | 100 | 50 | 15 | 100 |
| 79GR085 | 15.0 | 50 | N | <15 | 10.0 | 30 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79GR086 | 20.0 | 30 | N | <15 | 30.0 | 30 | 20.0 | N | 100 | 500 | 30 | 300 |
| 79GR087 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79GR088 | 20.0 | 30 | N | <15 | 10.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 79GR089 | 10.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 20 | 70 |
| 79GR090 | 30.0 | 50 | N | N | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 200 |
| 79GR091 | 50.0 | 50 | N | N | 50.0 | 30 | 15.0 | N | 100 | 150 | 20 | 200 |
| 79GR092 | 10.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 100 | 15 | 50 |
| 79GR093 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79GR094 | 30.0 | 30 | N | <15 | 30.0 | 30 | 15.0 | N | 150 | 200 | 30 | 500 |
| 79GR095 | 100.0 | 70 | N | <15 | 50.0 | 30 | 15.0 | N | 150 | 200 | 50 | 300 |
| 79GR096 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR097 | 30.0 | 50 | N | <15 | 30.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79GR098 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79GR099 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79GR100 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 30 | 150 |
| 79HE001 | 10.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79HE002 | 15.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79HE003 | 15.0 | 150 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79HE004 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79HE005 | 10.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79HE006 | 15.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | <70 | 70 | 20 | 300 |
| 79HE007 | 30.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 100 | 50 | 500 |
| 79HE008 | 20.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 70 | 20 | 200 |

9-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Ag % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|--------|----|-----|-------|-----|------|-------|
| 79HE009 | 46 43 41 | 88 19 40 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | 1.0 | 7.0 | 100 |
| 79HE010 | 46 44 59 | 88 18 42 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.5 | 7.0 | 50 |
| 79HE011 | 46 44 22 | 88 17 6 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79HE012 | 46 44 15 | 88 15 18 | 2.00 | .20 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 5.0 | 50 |
| 79HE013 | 46 42 31 | 88 22 0 | 5.00 | .30 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 7.0 | 30 |
| 79HE014 | 46 42 1 | 88 23 46 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 5.0 | 100 |
| 79HE015 | 46 41 9 | 88 23 8 | 5.00 | .15 | .20 | .70 | 500 | N | 70 | 500.0 | 1.0 | 5.0 | 100 |
| 79HE016 | 46 41 7 | 88 20 59 | 3.00 | .70 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 10.0 | 150 |
| 79HE017 | 46 41 35 | 88 20 14 | 3.00 | .70 | .30 | .50 | 300 | N | 100 | 700.0 | 1.5 | 7.0 | 70 |
| 79HE018 | 46 39 50 | 88 18 48 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 300.0 | 1.0 | 7.0 | 100 |
| 79HE019 | 46 39 19 | 88 20 29 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE020 | 46 42 41 | 88 19 18 | 3.00 | .10 | .15 | .70 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 70 |
| 79HE021 | 46 39 56 | 88 17 45 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 70 |
| 79HE022 | 46 40 11 | 88 15 7 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 50 |
| 79HE023 | 46 39 46 | 88 16 20 | 3.00 | .30 | .30 | .70 | 200 | N | 100 | 500.0 | 1.0 | 5.0 | 50 |
| 79HE024 | 46 39 9 | 88 17 39 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 100 |
| 79HE025 | 46 38 50 | 88 15 53 | 5.00 | .30 | .30 | .70 | 300 | N | 50 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE026 | 46 38 37 | 88 19 13 | 3.00 | .50 | .30 | .70 | 700 | N | 70 | 700.0 | 1.0 | 10.0 | 70 |
| 79HE027 | 46 39 42 | 88 22 59 | 3.00 | .50 | .20 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 70 |
| 79HE028 | 46 38 58 | 88 22 0 | 2.00 | .30 | .30 | .50 | 300 | N | 50 | 500.0 | 1.5 | 5.0 | 100 |
| 79HE029 | 46 37 37 | 88 21 44 | 7.00 | 7.00 | 5.00 | .70 | 1,500 | N | 20 | 300.0 | <.7 | 70.0 | 1,000 |
| 79HE030 | 46 37 15 | 88 20 22 | 5.00 | 1.50 | 2.00 | .70 | 500 | N | 70 | 500.0 | 1.0 | 20.0 | 200 |
| 79HE031 | 46 36 4 | 88 19 11 | 3.00 | .70 | .20 | .70 | 300 | N | 30 | 700.0 | 1.0 | 10.0 | 100 |
| 79HE032 | 46 35 15 | 88 18 23 | 3.00 | .50 | .50 | .50 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 79HE033 | 46 34 9 | 88 16 44 | 2.00 | .30 | .20 | .30 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 50 |
| 79HE034 | 46 34 37 | 88 15 3 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 70 |
| 79HE035 | 46 34 21 | 88 18 30 | 3.00 | .50 | .30 | .70 | 700 | N | 70 | 700.0 | 1.0 | 7.0 | 70 |
| 79HE036 | 46 40 12 | 88 16 51 | 1.50 | .50 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79HE037 | 46 42 54 | 88 25 55 | 3.00 | .50 | .50 | .50 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE038 | 46 41 29 | 88 25 50 | 2.00 | .50 | .50 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79HE039 | 46 40 42 | 88 25 41 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 700.0 | 1.0 | 7.0 | 70 |
| 79HE040 | 46 39 56 | 88 24 23 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79HE041 | 46 39 4 | 88 26 1 | 5.00 | .30 | .20 | .70 | 700 | N | 70 | 500.0 | 1.5 | 10.0 | 70 |
| 79HE042 | 46 39 53 | 88 26 50 | 15.00 | .10 | .07 | .15 | >7,000 | N | 10 | 700.0 | 2.0 | 70.0 | 20 |
| 79HE043 | 46 39 2 | 88 23 28 | 5.00 | .70 | 1.00 | .50 | 1,500 | N | 70 | 700.0 | 1.5 | 15.0 | 150 |
| 79HE044 | 46 39 0 | 88 29 53 | 3.00 | .30 | .20 | .70 | 1,500 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE045 | 46 37 51 | 88 28 3 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE046 | 46 37 56 | 88 25 47 | 3.00 | .30 | .20 | .70 | 500 | N | 70 | 300.0 | 1.5 | 7.0 | 100 |
| 79HE047 | 46 37 5 | 88 26 5 | 3.00 | .70 | .50 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE048 | 46 36 43 | 88 26 56 | 3.00 | .70 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|-----|------|-----|-------|----|------|----|-----|-----|----|-----|
| 79HE009 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79HE010 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 70 | 15 | 300 |
| 79HE011 | 15.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 70 | 15 | 300 |
| 79HE012 | 10.0 | 30 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 50 | 15 | 100 |
| 79HE013 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 150 | 15 | 300 |
| 79HE014 | 15.0 | 20 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79HE015 | 10.0 | 20 | N | <15 | 7.0 | 20 | 5.0 | N | <70 | 100 | 30 | 500 |
| 79HE016 | 50.0 | 30 | N | <15 | 50.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79HE017 | 15.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79HE018 | 30.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79HE019 | 15.0 | 30 | N | <15 | 30.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79HE020 | 7.0 | 30 | N | <15 | 5.0 | 30 | <3.0 | N | 100 | 70 | 30 | 300 |
| 79HE021 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 30 | 500 |
| 79HE022 | 10.0 | 20 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79HE023 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | <70 | 100 | 20 | 500 |
| 79HE024 | 15.0 | 30 | N | <15 | 10.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79HE025 | 15.0 | 30 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79HE026 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79HE027 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | N | 70 | 15 | 300 |
| 79HE028 | 15.0 | 30 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79HE029 | 30.0 | 20 | N | <15 | 200.0 | 20 | 30.0 | N | 300 | 150 | 30 | 200 |
| 79HE030 | 20.0 | 20 | N | <15 | 100.0 | 30 | 10.0 | N | 200 | 150 | 30 | 300 |
| 79HE031 | 20.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79HE032 | 15.0 | 30 | N | <15 | 30.0 | 30 | 5.0 | N | <70 | 70 | 15 | 300 |
| 79HE033 | 10.0 | 20 | N | <15 | 15.0 | 20 | <3.0 | N | N | 70 | 10 | 300 |
| 79HE034 | 20.0 | 30 | N | <15 | 15.0 | 30 | 7.0 | N | <70 | 100 | 30 | 700 |
| 79HE035 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | N | 70 | 20 | 500 |
| 79HE036 | 10.0 | 30 | N | N | 15.0 | 30 | 5.0 | N | N | 70 | 20 | 300 |
| 79HE037 | 15.0 | 20 | N | <15 | 30.0 | 30 | 5.0 | N | <70 | 70 | 15 | 300 |
| 79HE038 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 150 | 70 | 20 | 300 |
| 79HE039 | 15.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79HE040 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 50 | 20 | 300 |
| 79HE041 | 20.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | N | 150 | 30 | 300 |
| 79HE042 | 100.0 | <15 | 70.0 | <15 | 200.0 | <7 | 5.0 | N | N | 70 | 30 | 200 |
| 79HE043 | 50.0 | 30 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79HE044 | 15.0 | 30 | N | <15 | 10.0 | 30 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79HE045 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | <70 | 70 | 15 | 300 |
| 79HE046 | 15.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | N | 100 | 20 | 300 |
| 79HE047 | 15.0 | 20 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79HE048 | 20.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|-------|-----|------|-----|
| 79HE049 | 46 35 53 | 88 25 27 | 5.00 | .50 | .50 | 1.00 | 1,000 | N | 70 | 700.0 | <.7 | <3.0 | 30 |
| 79HE050 | 46 35 45 | 88 24 4 | 5.00 | .70 | .30 | .70 | 300 | 1.50 | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE051 | 46 36 31 | 88 23 40 | 3.00 | .50 | .50 | .70 | 300 | .50 | 100 | 500.0 | 1.5 | 7.0 | 70 |
| 79HE052 | 46 35 12 | 88 22 54 | 3.00 | .70 | .50 | .70 | 300 | | 100 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE053 | 46 34 44 | 88 23 44 | 3.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 150 |
| 79HE054 | 46 34 46 | 88 25 50 | 3.00 | .30 | .30 | .70 | 300 | N | 160 | 300.0 | 1.0 | 7.0 | 50 |
| 79HE055 | 46 34 55 | 88 27 56 | 3.00 | 1.00 | 1.00 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 150 |
| 79HE056 | 46 36 5 | 88 28 23 | 3.00 | .70 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE057 | 46 37 4 | 88 28 9 | 3.00 | .70 | .30 | .70 | 500 | <.30 | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE058 | 46 40 33 | 88 27 40 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 500.0 | 1.0 | 5.0 | 50 |
| 79HE059 | 46 41 47 | 88 26 44 | 3.00 | .70 | .50 | .70 | 500 | N | 100 | 700.0 | 1.5 | 7.0 | 50 |
| 79HE060 | 46 44 15 | 88 24 20 | 7.00 | .70 | .70 | .70 | 1,500 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79HE061 | 46 43 40 | 88 23 20 | 5.00 | .30 | .50 | .50 | 2,000 | N | 70 | 700.0 | 1.0 | 5.0 | 30 |
| 79HE062 | 46 42 25 | 88 26 38 | 5.00 | .70 | .30 | .70 | 300 | N | 100 | 700.0 | 1.5 | 5.0 | 50 |
| 79HE063 | 46 42 3 | 88 28 1 | 5.00 | .30 | .30 | .50 | 500 | N | 100 | 700.0 | 1.0 | 5.0 | 70 |
| 79HE064 | 46 41 21 | 88 29 17 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 5.0 | 100 |
| 79HE065 | 46 40 21 | 88 28 50 | 2.00 | .20 | .20 | .50 | 200 | N | 100 | 500.0 | 1.0 | <3.0 | 20 |
| 79HE066 | 46 36 27 | 88 29 4 | 3.00 | .70 | .20 | .70 | 300 | N | 100 | 500.0 | 1.5 | 7.0 | 70 |
| 79HE067 | 46 34 51 | 88 28 58 | 3.00 | 1.00 | .20 | .70 | 300 | N | 150 | 700.0 | 1.0 | 10.0 | 150 |
| 79HE068 | 46 32 29 | 88 29 48 | 3.00 | .50 | .30 | 1.00 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 79HE069 | 46 33 6 | 88 28 26 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 79HE070 | 46 33 7 | 88 26 57 | 3.00 | .30 | .20 | 1.00 | 200 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE071 | 46 33 28 | 88 25 44 | 3.00 | .50 | .20 | 1.00 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE072 | 46 34 0 | 88 24 50 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 500.0 | 1.5 | 7.0 | 70 |
| 79HE073 | 46 34 38 | 88 21 40 | 3.00 | .70 | .30 | 1.00 | 300 | N | 150 | 500.0 | 1.5 | 10.0 | 70 |
| 79HE074 | 46 33 27 | 88 21 8 | 3.00 | .70 | .20 | .50 | 500 | N | 100 | 300.0 | 1.0 | 10.0 | 150 |
| 79HE075 | 46 32 59 | 88 22 6 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE076 | 46 32 20 | 88 23 14 | 7.00 | .70 | .30 | .70 | 300 | <.30 | 100 | 500.0 | 1.5 | 10.0 | 150 |
| 79HE077 | 46 31 55 | 88 24 3 | 3.00 | .70 | .30 | .70 | 300 | <.30 | 100 | 500.0 | 1.5 | 10.0 | 100 |
| 79HE078 | 46 31 28 | 88 23 37 | 5.00 | .70 | .30 | .70 | 500 | N | 100 | 500.0 | 1.5 | 15.0 | 150 |
| 79HE079 | 46 32 17 | 88 21 30 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE080 | 46 31 54 | 88 28 57 | 5.00 | .30 | .20 | .70 | 300 | N | 100 | 300.0 | 1.5 | 7.0 | 70 |
| 79HE081 | 46 34 29 | 88 20 6 | 3.00 | .70 | .30 | .50 | 300 | N | 70 | 300.0 | 1.0 | 10.0 | 100 |
| 79HE082 | 46 33 22 | 88 16 31 | 3.00 | .70 | .50 | .50 | 300 | N | 100 | 500.0 | 1.5 | 10.0 | 150 |
| 79HE087 | 46 32 52 | 88 15 43 | 5.00 | .30 | .20 | .70 | 300 | N | 100 | 300.0 | 1.5 | 7.0 | 100 |
| 79HE088 | 46 33 22 | 88 18 31 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79HE089 | 46 32 46 | 88 19 47 | 3.00 | .30 | .20 | .50 | 500 | N | 100 | 300.0 | 1.5 | 7.0 | 70 |
| 79HE090 | 46 31 59 | 88 19 56 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 100 |
| 79HE091 | 46 32 34 | 88 15 38 | 5.00 | .70 | .50 | .50 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 70 |
| 79HE092 | 46 30 27 | 88 17 58 | 5.00 | .70 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79HE049 | 15.0 | <15 | N | N | 10.0 | 30 | <3.0 | N | <70 | 100 | 15 | 500 |
| 79HE050 | 30.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79HE051 | 20.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79HE052 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79HE053 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79HE054 | 15.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79HE055 | 15.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79HE056 | 15.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 500 |
| 79HE057 | 20.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79HE058 | 10.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 20 | 500 |
| 79HE059 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 15 | 300 |
| 79HE060 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79HE061 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79HE062 | 15.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79HE063 | 10.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79HE064 | 7.0 | 30 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79HE065 | 7.0 | 20 | N | <15 | 10.0 | 30 | 5.0 | N | <70 | 70 | 30 | 300 |
| 79HE066 | 15.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79HE067 | 20.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79HE068 | 20.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79HE069 | 15.0 | 20 | <3.0 | <15 | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79HE070 | 15.0 | 20 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79HE071 | 15.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79HE072 | 15.0 | 20 | N | <15 | 20.0 | 20 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79HE073 | 15.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | 20 | 100 | 100 | 20 | 300 |
| 79HE074 | 50.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79HE075 | 15.0 | 20 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 79HE076 | 30.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 15 | 300 |
| 79HE077 | 20.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 15 | 300 |
| 79HE078 | 20.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79HE079 | 20.0 | <15 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 79HE080 | 15.0 | 20 | N | <15 | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79HE081 | 15.0 | 20 | 5.0 | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 15 | 300 |
| 79HE086 | 20.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79HE087 | 20.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79HE088 | 15.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 70 | 20 | 500 |
| 79HE089 | 20.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79HE090 | 15.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79HE091 | 20.0 | <15 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79HE092 | 20.0 | <15 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 15 | 200 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Hg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-----|------|-----|---------|-----|------|-----|
| 79KE093 | 46 31 3 | 88 18 21 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 79KE094 | 46 30 29 | 88 19 36 | 3.00 | .30 | .20 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79KE095 | 46 30 43 | 88 16 18 | 3.00 | .30 | .20 | .70 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 50 |
| 79KE096 | 46 31 26 | 88 15 32 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 79KE097 | 46 40 44 | 88 20 7 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 79KE098 | 46 42 0 | 88 19 58 | 2.00 | .20 | .20 | .30 | 300 | N | 100 | 1,000.0 | 1.0 | 5.0 | 20 |
| 79KE099 | 46 42 50 | 88 20 26 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79KE200 | 46 43 13 | 88 16 18 | 3.00 | .50 | .30 | .50 | 700 | N | 100 | 700.0 | 1.5 | 7.0 | 70 |
| 79KE201 | 46 42 55 | 88 15 45 | 3.00 | .20 | .30 | .70 | 300 | <.30 | 100 | 300.0 | 1.5 | 7.0 | 70 |
| 79KE202 | 46 42 32 | 88 16 43 | 3.00 | .50 | .20 | .70 | 200 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79KE001 | 46 55 30 | 88 28 51 | 2.00 | .30 | .70 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79KE002 | 46 52 2 | 88 29 53 | 3.00 | .50 | .50 | 1.00 | 500 | N | 300 | 1,000.0 | <.7 | 10.0 | 100 |
| 79KE003 | 46 58 58 | 88 25 38 | .50 | .20 | .07 | .50 | 200 | N | 50 | 1,000.0 | <.7 | <3.0 | 10 |
| 79KE004 | 46 59 45 | 88 24 14 | .70 | .30 | .10 | .70 | 500 | N | 150 | 1,000.0 | <.7 | <3.0 | 20 |
| 79KE005 | 46 59 47 | 88 29 1 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 70 |
| 79KE006 | 46 58 59 | 88 28 0 | 3.00 | .50 | .30 | 1.00 | 700 | N | 200 | 1,000.0 | <.7 | 5.0 | 70 |
| 79KE007 | 46 59 39 | 88 26 24 | 3.00 | .20 | .50 | 1.00 | 700 | N | 20 | 1,000.0 | N | 5.0 | 50 |
| 79KE008 | 46 58 8 | 88 27 43 | .70 | .20 | .30 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 20 |
| 79KE001 | 46 59 41 | 88 25 28 | .50 | .15 | .07 | .30 | 100 | N | 50 | 700.0 | <.7 | <3.0 | 15 |
| 79KE002 | 46 58 46 | 88 25 53 | 1.50 | .30 | .10 | .50 | 300 | N | 50 | 500.0 | 1.5 | 5.0 | 15 |
| 79KE003 | 46 59 59 | 88 24 5 | 2.00 | .70 | .30 | .70 | 300 | N | 70 | 500.0 | 1.5 | 7.0 | 20 |
| 79KE004 | 46 59 52 | 88 28 37 | 1.50 | .15 | .10 | .70 | 300 | N | 70 | 500.0 | 1.0 | N | 10 |
| 79KE005 | 46 59 40 | 88 26 25 | .70 | .15 | .20 | .70 | 200 | N | 50 | 500.0 | <.7 | <3.0 | 15 |
| 79KE006 | 46 58 59 | 88 27 27 | 1.50 | .30 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 50 |
| 79KE007 | 46 58 49 | 88 28 38 | 3.00 | .30 | .15 | .70 | 300 | N | 100 | 500.0 | 1.5 | 7.0 | 50 |
| 79KE008 | 46 57 58 | 88 28 39 | 1.00 | .20 | .20 | .50 | 300 | N | 150 | 700.0 | 1.0 | 5.0 | 50 |
| 79KE009 | 46 57 18 | 88 29 21 | 2.00 | .30 | .20 | .70 | 300 | N | 100 | 700.0 | 1.0 | 5.0 | 50 |
| 79KE010 | 46 57 11 | 88 27 15 | 1.50 | .05 | .07 | .70 | 300 | N | 100 | 500.0 | 1.0 | <3.0 | 20 |
| 79KE011 | 46 58 3 | 88 27 29 | 3.00 | .15 | .20 | .50 | 300 | N | 100 | 300.0 | 1.5 | <3.0 | 50 |
| 79KE012 | 46 55 52 | 88 27 23 | 1.50 | .30 | .20 | .50 | 300 | N | 100 | 500.0 | 1.5 | 5.0 | 150 |
| 79KE013 | 46 55 1 | 88 27 52 | 1.50 | .30 | .30 | .50 | 500 | N | 100 | 700.0 | 1.5 | 5.0 | 50 |
| 79KE014 | 46 55 40 | 88 28 42 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 700.0 | 1.5 | 7.0 | 30 |
| 79KE015 | 46 55 1 | 88 29 22 | 3.00 | .20 | .15 | .70 | 300 | N | 100 | 300.0 | 1.5 | 7.0 | 70 |
| 79KE016 | 46 53 43 | 88 28 58 | 3.00 | .50 | .20 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 50 |
| 79KE017 | 46 52 51 | 88 29 58 | 2.00 | .50 | .30 | .70 | 500 | N | 70 | 500.0 | 1.5 | 7.0 | 30 |
| 79KE018 | 46 52 4 | 88 29 52 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | 1.5 | 7.0 | 50 |
| 79KE019 | 46 51 7 | 88 29 33 | 3.00 | .70 | .30 | .70 | 300 | N | 150 | 700.0 | 1.5 | 10.0 | 100 |
| 79KE020 | 46 50 23 | 88 29 20 | 3.00 | .50 | .20 | .70 | 500 | N | 150 | 700.0 | 1.0 | 10.0 | 100 |
| 79KE021 | 46 49 18 | 88 28 53 | 1.50 | .30 | .30 | .70 | 500 | N | 100 | 500.0 | 1.0 | 7.0 | 30 |
| 79KE022 | 46 48 11 | 88 29 58 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79HE093 | 15.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 30 | 500 |
| 79HE094 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79HE095 | 15.0 | 20 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79HE096 | 15.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79HE097 | 15.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | <70 | 100 | 15 | 300 |
| 79HE098 | 5.0 | 30 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 70 | 15 | 100 |
| 79HE099 | 10.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79HE200 | 15.0 | 20 | <3.0 | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 15 | 300 |
| 79HE201 | 15.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79HE202 | 20.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | <70 | 150 | 20 | 300 |
| 79KE001 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79KE002 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79KE003 | <3.0 | 30 | N | N | 5.0 | 20 | <3.0 | N | <70 | 30 | 20 | 150 |
| 79KE004 | <3.0 | 50 | N | N | 5.0 | 20 | 7.0 | N | <70 | 50 | 30 | 300 |
| 79KE005 | 15.0 | 50 | N | N | 10.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79KE006 | 15.0 | 70 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 150 | 30 | 300 |
| 79KE007 | 20.0 | 30 | N | <15 | 7.0 | 30 | 7.0 | N | 100 | 150 | 20 | 100 |
| 79KE008 | <3.0 | 50 | N | N | 7.0 | 20 | <3.0 | N | 100 | 30 | 15 | 50 |
| 79KE009 | 5.0 | 20 | <3.0 | <15 | 10.0 | 15 | 5.0 | N | <70 | 20 | 10 | 200 |
| 79KE010 | 5.0 | 20 | N | <15 | 7.0 | 15 | 5.0 | N | <70 | 30 | 30 | 300 |
| 79KE011 | 15.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79KE012 | 7.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 30 | 20 | 300 |
| 79KW003 | 10.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79KW004 | 10.0 | 20 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79KW005 | 5.0 | 20 | N | <15 | 7.0 | 30 | <3.0 | N | 100 | 30 | <7 | 300 |
| 79KW006 | 7.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 50 | 20 | 500 |
| 79KW007 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 50 | 15 | 300 |
| 79KW008 | 5.0 | 30 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 30 | 20 | 300 |
| 79KW009 | 20.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 50 | 20 | 300 |
| 79KW010 | 7.0 | 20 | N | <15 | 7.0 | 20 | <3.0 | N | 100 | 30 | 15 | 300 |
| 79KW011 | 15.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79KW012 | 7.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 30 | 20 | 300 |
| 79KW013 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 50 | 20 | 300 |
| 79KW014 | 15.0 | 30 | 5.0 | <15 | 30.0 | 30 | 5.0 | N | 150 | 50 | 20 | 500 |
| 79KW015 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 20 | 500 |
| 79KW016 | 15.0 | 30 | 5.0 | <15 | 20.0 | 30 | 5.0 | N | 100 | 50 | 20 | 500 |
| 79KW017 | 7.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79KW018 | 20.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 50 | 30 | 300 |
| 79KW019 | 15.0 | 30 | 5.0 | <15 | 30.0 | 30 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79KW020 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 50 | 20 | 300 |
| 79KW021 | 15.0 | 30 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 50 | 20 | 300 |
| 79KW022 | 15.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 70 | 30 | 700 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | H | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|-------|-------|------|-----|---------|-----|------|-----|
| 79KW023 | 46 47 35 | 88 29 58 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 500.0 | 1.5 | 10.0 | 30 |
| 79KW024 | 46 47 15 | 88 28 19 | 20.00 | .30 | .30 | >1.50 | 1,500 | N | 50 | 200.0 | <.7 | 30.0 | 700 |
| 79KW025 | 46 45 4 | 88 28 21 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 500.0 | 1.5 | 10.0 | 50 |
| 79KW026 | 46 45 50 | 88 27 2 | 3.00 | 1.00 | 1.50 | .50 | 500 | N | 70 | 500.0 | 1.5 | 7.0 | 50 |
| 79KW027 | 46 47 16 | 88 25 43 | 3.00 | .70 | .20 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 50 |
| 79KW028 | 46 46 50 | 88 24 56 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 500.0 | 1.5 | 7.0 | 20 |
| 79KW029 | 46 46 27 | 88 23 32 | 5.00 | .30 | .30 | .70 | 700 | 1.00 | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79KW030 | 46 45 28 | 88 22 31 | 3.00 | .70 | .30 | .50 | 500 | .50 | 70 | 700.0 | 1.5 | 10.0 | 100 |
| 79KW031 | 46 46 50 | 88 21 0 | 2.00 | .20 | .20 | .70 | 300 | N | 100 | 700.0 | 1.0 | <3.0 | 20 |
| 79KW032 | 46 47 46 | 88 23 5 | 1.50 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 20 |
| 79KW033 | 46 48 4 | 88 20 44 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 30 |
| 79KW034 | 46 46 56 | 88 19 24 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 700.0 | 1.5 | 10.0 | 20 |
| 79KW035 | 46 46 10 | 88 19 46 | 1.50 | .70 | .30 | .50 | 300 | N | 100 | 1,000.0 | 1.5 | 5.0 | 50 |
| 79KW036 | 46 45 24 | 88 20 53 | 3.00 | .50 | .30 | .50 | 500 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79KW037 | 46 45 42 | 88 19 28 | 5.00 | .30 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 5.0 | 50 |
| 79KW038 | 46 46 0 | 88 17 42 | 5.00 | .50 | .30 | .70 | 700 | <.30 | 150 | 500.0 | 1.0 | 10.0 | 70 |
| 79KW039 | 46 46 21 | 88 16 16 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 700.0 | 1.0 | 7.0 | 70 |
| 79KW040 | 46 46 12 | 88 15 4 | 3.00 | .30 | .20 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 20 |
| 79KW041 | 46 47 7 | 88 15 5 | 3.00 | .70 | .30 | .70 | 300 | N | 70 | 700.0 | 1.5 | 7.0 | 30 |
| 79KW042 | 46 43 17 | 88 15 11 | 10.00 | .50 | .50 | .70 | 700 | N | 100 | 700.0 | 1.0 | 10.0 | 100 |
| 79KW043 | 46 47 52 | 88 16 45 | 3.00 | .30 | .20 | .70 | 300 | N | 150 | 700.0 | 1.0 | 7.0 | 30 |
| 79KW044 | 46 49 57 | 88 15 39 | 5.00 | .50 | .50 | 1.00 | 700 | N | 70 | 300.0 | 1.0 | 10.0 | 70 |
| 79KW045 | 46 49 0 | 88 17 14 | 3.00 | 1.00 | .50 | .50 | 500 | N | 100 | 700.0 | 1.5 | 10.0 | 100 |
| 79KW046 | 46 43 25 | 88 13 47 | 5.00 | .50 | .50 | .50 | 500 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79KW047 | 46 45 19 | 88 25 14 | 3.00 | .50 | .30 | .70 | 300 | N | 50 | 500.0 | 1.0 | 7.0 | 70 |
| 79KW048 | 46 48 14 | 88 24 46 | 3.00 | .70 | .20 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79KW049 | 46 49 23 | 88 23 17 | 3.00 | .70 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 150 |
| 79KW050 | 46 48 46 | 88 22 17 | 2.00 | .50 | .20 | .50 | 300 | N | 50 | 500.0 | 1.0 | 7.0 | 50 |
| 79KW051 | 46 49 21 | 88 21 3 | 2.00 | .50 | .20 | .50 | 300 | N | 70 | 300.0 | 1.5 | 7.0 | 20 |
| 79KW052 | 46 49 46 | 88 20 24 | 3.00 | .50 | .20 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 30 |
| 79KW053 | 46 51 1 | 88 19 55 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 30 |
| 79KW054 | 46 50 32 | 88 22 35 | 20.00 | .30 | .15 | >1.50 | 2,000 | N | 30 | 150.0 | <.7 | 30.0 | 500 |
| 79KW055 | 46 51 15 | 88 23 31 | 2.00 | .50 | .20 | 1.00 | 700 | N | 150 | 300.0 | 1.5 | 7.0 | 20 |
| 79KW056 | 46 52 4 | 88 22 31 | 2.00 | .50 | .30 | .50 | 300 | N | 100 | 500.0 | 1.0 | 5.0 | 50 |
| 79KW057 | 46 51 38 | 88 23 38 | 2.00 | .30 | .20 | .30 | 300 | N | 100 | 300.0 | 1.5 | 5.0 | 20 |
| 79KW058 | 46 52 55 | 88 13 37 | 3.00 | .30 | .15 | .70 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 100 |
| 79KW059 | 46 52 3 | 88 18 3 | 1.50 | .30 | .50 | .70 | 300 | N | 100 | 500.0 | 1.0 | 5.0 | 70 |
| 79KW060 | 46 52 44 | 88 16 0 | 1.50 | .30 | .20 | .70 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 50 |
| 79KW061 | 46 52 1 | 88 14 5 | 2.00 | .50 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79KW062 | 46 51 12 | 88 16 30 | 2.00 | .20 | .15 | .50 | 300 | N | 70 | 500.0 | 1.0 | 5.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|----|------|----|-----|-----|-----|--------|
| 79KW023 | 20.0 | 30 | <3.0 | <15 | 30.0 | 30 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79KW024 | 30.0 | 300 | N | 20 | 50.0 | 30 | 20.0 | N | N | 500 | 70 | >1,500 |
| 79KW025 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | <70 | 70 | 20 | 300 |
| 79KW026 | 20.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79KW027 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79KW028 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79KW029 | 15.0 | 30 | <3.0 | <15 | 20.0 | 30 | 7.0 | N | <70 | 150 | 20 | 500 |
| 79KW030 | 30.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | <70 | 100 | 15 | 300 |
| 79KW031 | 5.0 | 20 | N | <15 | 5.0 | 20 | 5.0 | N | <70 | 70 | 20 | 700 |
| 79KW032 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | <70 | 30 | 10 | 300 |
| 79KW033 | 20.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79KW034 | 20.0 | 30 | N | <15 | 30.0 | 30 | 5.0 | N | <70 | 100 | 30 | 300 |
| 79KW035 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 50 | 20 | 300 |
| 79KW036 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 15 | 300 |
| 79KW037 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79KW038 | 20.0 | 30 | N | 20 | 20.0 | 30 | 5.0 | N | <70 | 150 | 20 | 500 |
| 79KW039 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79KW040 | 7.0 | 20 | N | <15 | 7.0 | 30 | <3.0 | N | <70 | 70 | 15 | 300 |
| 79KW041 | 70.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79KW042 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | <70 | 200 | 30 | 500 |
| 79KW043 | 10.0 | 30 | N | <15 | 10.0 | 30 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79KW044 | 30.0 | 20 | N | <15 | 20.0 | 30 | 10.0 | N | N | 150 | 20 | 200 |
| 79KW045 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79KW046 | 15.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79KW047 | 15.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79KW048 | 20.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | <70 | 100 | 50 | 500 |
| 79KW049 | 15.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 70 | 500 |
| 79KW050 | 15.0 | 30 | N | N | 10.0 | 30 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79KW051 | 10.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79KW052 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79KW053 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 70 | 30 | 300 |
| 79KW054 | 20.0 | 50 | N | N | 30.0 | 50 | 10.0 | N | N | 500 | 150 | 500 |
| 79KW055 | 20.0 | 20 | N | <15 | 7.0 | 50 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79KW056 | 20.0 | 20 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79KW057 | 15.0 | 20 | N | <15 | 7.0 | 20 | 5.0 | N | <70 | 70 | 20 | 200 |
| 79KW058 | 15.0 | 50 | N | <15 | 7.0 | 30 | 5.0 | N | <70 | 100 | 30 | 700 |
| 79KW059 | 15.0 | 30 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 70 | 20 | 500 |
| 79KW060 | 10.0 | 20 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79KW061 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 500 |
| 79KW062 | 10.0 | 30 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |

15-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|---------|-----|------|-----|
| 79KW063 | 46 50 49 | 88 18 25 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 30 |
| 79KW064 | 46 50 17 | 88 16 48 | 1.50 | .30 | .20 | .50 | 300 | N | 70 | 500.0 | 1.0 | 5.0 | 15 |
| 79KW065 | 46 49 27 | 88 17 57 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79KW066 | 46 53 28 | 88 16 48 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 50 |
| 79KW067 | 46 54 3 | 88 15 37 | 3.00 | .70 | .20 | .70 | 300 | N | 100 | 500.0 | 1.5 | 7.0 | 50 |
| 79MA200 | 46 28 46 | 89 37 56 | 5.00 | .50 | .50 | 1.00 | 300 | <.30 | 100 | 300.0 | 1.0 | 10.0 | 70 |
| 79MA201 | 46 20 37 | 89 40 34 | 5.00 | .70 | .70 | .70 | 500 | N | 100 | 300.0 | 1.5 | 10.0 | 100 |
| 79MA202 | 46 19 18 | 89 40 50 | 5.00 | .50 | .50 | .70 | 300 | N | 70 | 300.0 | 1.5 | 10.0 | 70 |
| 79MA203 | 46 18 19 | 89 39 0 | 5.00 | .30 | .30 | .70 | 300 | N | 200 | 500.0 | 1.0 | 7.0 | 100 |
| 79MA204 | 46 18 14 | 89 30 32 | 5.00 | .50 | .30 | 1.00 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 100 |
| 79MA205 | 46 24 24 | 89 38 52 | 5.00 | .70 | .50 | 1.00 | 700 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79MA206 | 46 25 55 | 89 36 41 | 5.00 | .70 | .50 | 1.00 | 300 | N | 70 | 700.0 | <.7 | 10.0 | 100 |
| 79MA207 | 46 25 22 | 89 35 38 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | 1.5 | 7.0 | 50 |
| 79MA208 | 46 26 41 | 89 35 36 | 5.00 | .70 | .30 | 1.00 | 300 | N | 150 | 500.0 | 1.5 | 10.0 | 70 |
| 79MA209 | 46 27 10 | 89 35 9 | 5.00 | .70 | .70 | 1.00 | 700 | N | 150 | 500.0 | 1.5 | 15.0 | 70 |
| 79MD200 | 46 37 11 | 89 26 32 | 5.00 | 1.00 | .30 | .70 | 500 | N | 100 | 1,000.0 | 1.5 | 20.0 | 200 |
| 79MD201 | 46 37 59 | 89 24 33 | 5.00 | 1.00 | .50 | .70 | 500 | N | 100 | 700.0 | 1.5 | 15.0 | 100 |
| 79MD202 | 46 38 39 | 89 26 28 | 5.00 | 1.50 | .30 | .70 | 500 | N | 150 | 700.0 | 2.0 | 10.0 | 150 |
| 79MD203 | 46 38 33 | 89 21 29 | 3.00 | .70 | .50 | .70 | 300 | N | 150 | 700.0 | 1.0 | 7.0 | 50 |
| 79MD204 | 46 37 6 | 89 20 16 | 7.00 | 1.50 | .30 | .70 | 700 | N | 200 | 700.0 | 2.0 | 30.0 | 150 |
| 79MD205 | 46 38 31 | 89 18 50 | 5.00 | 1.50 | .50 | .70 | 700 | N | 200 | 700.0 | 2.0 | 15.0 | 100 |
| 79MD206 | 46 39 37 | 89 17 4 | 7.00 | 1.50 | .50 | .70 | 700 | N | 200 | 700.0 | 2.0 | 20.0 | 300 |
| 79MD207 | 46 40 51 | 89 15 37 | 3.00 | .30 | .70 | 1.00 | 500 | N | 150 | 500.0 | 1.0 | 7.0 | 70 |
| 79MD208 | 46 43 6 | 89 16 48 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 300.0 | 1.5 | 7.0 | 70 |
| 79MD209 | 46 42 10 | 89 20 38 | 5.00 | 1.00 | .70 | .70 | 1,000 | N | 200 | 1,000.0 | 2.0 | 10.0 | 100 |
| 79MI001 | 46 44 23 | 89 10 17 | 3.00 | .30 | .30 | .50 | 200 | N | 70 | 500.0 | 1.5 | 5.0 | 50 |
| 79MI002 | 46 42 57 | 89 10 38 | 3.00 | .30 | .30 | .50 | 200 | N | 70 | 300.0 | 1.0 | 5.0 | 100 |
| 79MI003 | 46 42 9 | 89 10 0 | 3.00 | .30 | .30 | .30 | 200 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79MI004 | 46 41 38 | 89 8 57 | 3.00 | .30 | .30 | .70 | 200 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 79MI005 | 46 40 35 | 89 8 5 | 3.00 | .70 | .50 | .50 | 500 | N | 70 | 500.0 | 1.0 | 15.0 | 100 |
| 79MI010 | 46 43 50 | 89 11 55 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 300.0 | 1.5 | 5.0 | 70 |
| 79MI011 | 46 44 26 | 89 13 4 | 3.00 | .20 | .30 | .30 | 300 | N | 50 | 500.0 | 1.0 | 5.0 | 50 |
| 79MI012 | 46 40 21 | 89 14 19 | 3.00 | .20 | .30 | .50 | 300 | 1.00 | 70 | 500.0 | 1.0 | 7.0 | 50 |
| 79MI013 | 46 40 16 | 89 11 35 | 3.00 | .50 | .50 | .70 | 500 | N | 200 | 500.0 | 1.0 | 7.0 | 70 |
| 79MI014 | 46 41 6 | 89 12 53 | 1.50 | .15 | .30 | .30 | 200 | N | 70 | 700.0 | 1.0 | <3.0 | 15 |
| 79MI015 | 46 40 41 | 89 10 2 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 500.0 | 1.0 | 5.0 | 50 |
| 79MI016 | 46 39 14 | 89 9 5 | 3.00 | .70 | .50 | .70 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 79MI017 | 46 43 54 | 89 14 1 | 3.00 | .70 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 10.0 | 100 |
| 79MI018 | 46 42 55 | 89 8 2 | 3.00 | .70 | .50 | .50 | 200 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 79MI019 | 46 39 24 | 89 10 5 | 2.00 | .50 | .30 | .30 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79KW063 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79KW064 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79KW065 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79KW066 | 15.0 | 30 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 100 | 30 | 300 |
| 79KW067 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | <70 | 100 | 50 | 300 |
| 79MA200 | 30.0 | 20 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79MA201 | 30.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79MA202 | 20.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79MA203 | 20.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | <70 | 150 | 30 | 300 |
| 79MA204 | 30.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79MA205 | 30.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79MA206 | 30.0 | 20 | <3.0 | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79MA207 | 20.0 | 20 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 79MA208 | 30.0 | 20 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79MA209 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79MD200 | 30.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79MD201 | 20.0 | 20 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79MD202 | 30.0 | 30 | N | <15 | 50.0 | 30 | 15.0 | N | <70 | 150 | 30 | 300 |
| 79MD203 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79MD204 | 50.0 | 30 | N | <15 | 70.0 | 30 | 20.0 | N | 100 | 150 | 30 | 300 |
| 79MD205 | 30.0 | 30 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 100 | 30 | 300 |
| 79MD206 | 30.0 | 30 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79MD207 | 30.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 30 | 700 |
| 79MD208 | 50.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79MD209 | 30.0 | 50 | N | <15 | 50.0 | 30 | 15.0 | N | 100 | 150 | 50 | 300 |
| 79MI001 | 10.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 79MI002 | 10.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79MI003 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 70 | 15 | 300 |
| 79MI004 | 10.0 | 20 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79MI005 | 20.0 | 30 | <3.0 | <15 | 50.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79MI010 | 10.0 | 20 | <3.0 | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79MI011 | 15.0 | 30 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 79MI012 | 10.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79MI013 | 15.0 | 20 | N | <15 | 20.0 | 20 | 5.0 | N | <70 | 70 | 10 | 300 |
| 79MI014 | <3.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 50 | 10 | 200 |
| 79MI015 | 15.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79MI016 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79MI017 | 15.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79MI018 | 20.0 | 20 | N | <15 | 50.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79MI019 | 7.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | <70 | 50 | 10 | 300 |

U-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|-----|------|-----|-------|-----|------|-----|
| 79MI020 | 46 33 58 | 88 11 0 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 5.0 | 20 |
| 79MI021 | 46 41 30 | 88 16 32 | 2.00 | .20 | .20 | .50 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 20 |
| 79MI022 | 46 41 47 | 88 5 19 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79MI023 | 46 41 28 | 88 4 31 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |
| 79MI024 | 46 42 28 | 88 4 19 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79MI025 | 46 43 5 | 88 5 26 | 3.00 | .50 | .30 | .50 | 300 | <.30 | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79MI026 | 46 43 50 | 88 6 3 | 3.00 | .30 | .20 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79MI027 | 46 43 43 | 88 7 8 | 3.00 | .50 | .70 | .50 | 500 | N | 70 | 700.0 | 1.0 | 10.0 | 70 |
| 79MI028 | 46 44 47 | 88 3 42 | 5.00 | .30 | .30 | .50 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 70 |
| 79MI029 | 46 44 40 | 88 2 23 | 3.00 | .20 | .30 | .50 | 200 | <.30 | 50 | 500.0 | 1.0 | 5.0 | 100 |
| 79MI030 | 46 44 31 | 88 1 8 | 3.00 | .50 | .30 | .50 | 300 | <.30 | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79MI031 | 46 44 49 | 88 0 8 | 5.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 100 |
| 79MI032 | 46 43 32 | 88 0 9 | 3.00 | .20 | .20 | .50 | 500 | N | 70 | 700.0 | 1.0 | 7.0 | 150 |
| 79MI033 | 46 43 58 | 88 3 16 | 3.00 | .30 | .30 | .30 | 300 | <.30 | 70 | 700.0 | 1.0 | 7.0 | 70 |
| 79MI034 | 46 43 6 | 88 3 26 | 3.00 | .30 | .30 | .30 | 200 | N | 100 | 500.0 | 1.0 | 7.0 | 50 |
| 79MI035 | 46 40 11 | 88 6 53 | 2.00 | .20 | .30 | .30 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 50 |
| 79MI036 | 46 39 29 | 88 6 59 | 3.00 | .20 | .20 | .70 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 50 |
| 79MI037 | 46 39 39 | 88 5 43 | 3.00 | .70 | .50 | .70 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 79MI038 | 46 39 41 | 88 4 4 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 5.0 | 50 |
| 79MI039 | 46 40 33 | 88 5 3 | 2.00 | .15 | .20 | .50 | 200 | N | 100 | 500.0 | 1.0 | 5.0 | 20 |
| 79MI040 | 46 39 9 | 88 3 3 | 3.00 | .20 | .30 | .50 | 300 | N | 100 | 700.0 | <.7 | 5.0 | 70 |
| 79MI041 | 46 38 10 | 88 1 47 | 5.00 | .50 | .50 | .70 | 500 | N | 100 | 700.0 | <.7 | 7.0 | 30 |
| 79MI042 | 46 37 59 | 88 0 10 | 1.50 | .15 | .15 | .30 | 200 | N | 100 | 500.0 | <.7 | <3.0 | 15 |
| 79MI043 | 46 35 6 | 88 14 15 | 3.00 | .70 | .50 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 100 |
| 79MI044 | 46 35 56 | 88 13 54 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 70 |
| 79MI045 | 46 36 49 | 88 13 39 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79MI046 | 46 35 35 | 88 12 58 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79MI047 | 46 35 55 | 88 11 48 | 3.00 | .20 | .30 | .70 | 500 | N | 70 | 500.0 | <.7 | 7.0 | 50 |
| 79MI048 | 46 35 36 | 88 10 20 | 10.00 | .50 | .70 | 1.00 | 700 | N | 50 | 300.0 | <.7 | 15.0 | 100 |
| 79MI049 | 46 34 55 | 88 9 31 | 5.00 | .70 | .70 | .70 | 500 | N | 70 | 500.0 | 1.0 | 15.0 | 100 |
| 79MI050 | 46 33 25 | 88 8 9 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79MI051 | 46 34 24 | 88 8 13 | 3.00 | .30 | .50 | .30 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 79MI052 | 46 35 42 | 88 7 57 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 700.0 | <.7 | 7.0 | 100 |
| 79MI053 | 46 35 42 | 88 6 48 | 5.00 | .30 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 30 |
| 79MI054 | 46 33 7 | 88 6 2 | 5.00 | .70 | .50 | .70 | 300 | N | 70 | 300.0 | 1.0 | 10.0 | 50 |
| 79MI055 | 46 33 1 | 88 0 15 | 3.00 | .70 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 500 |
| 79MI056 | 46 33 56 | 88 0 11 | 3.00 | .20 | .20 | .70 | 200 | N | 70 | 500.0 | 1.0 | 5.0 | 30 |
| 79MI057 | 46 35 20 | 88 0 24 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 30 |
| 79MI058 | 46 36 18 | 88 1 7 | 1.50 | .20 | .30 | .50 | 500 | N | 70 | 500.0 | 1.0 | 7.0 | 30 |
| 79MI059 | 46 37 12 | 88 1 51 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 50 |

B-HORIZON SOIL SAMPLES --continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79MI020 | 7.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 15 | 300 |
| 79MI021 | 7.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 70 | 10 | 300 |
| 79MI022 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 15 | 500 |
| 79MI023 | 15.0 | 30 | N | <15 | 70.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79MI024 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79MI025 | 15.0 | 30 | N | <15 | 30.0 | 30 | 5.0 | N | 100 | 100 | 20 | 200 |
| 79MI026 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 30 | 500 |
| 79MI027 | 20.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79MI028 | 15.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79MI029 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79MI030 | 10.0 | 20 | N | <15 | 30.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79MI031 | 20.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | <70 | 150 | 20 | 300 |
| 79MI032 | 15.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | <70 | 100 | 30 | 300 |
| 79MI033 | 10.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79MI034 | 15.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 50 | 10 | 300 |
| 79MI035 | 7.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 50 | 15 | 200 |
| 79MI036 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | <70 | 100 | 15 | 300 |
| 79MI037 | 20.0 | 30 | N | <15 | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79MI038 | 10.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79MI039 | 7.0 | 20 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 10 | 200 |
| 79MI040 | 15.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 500 |
| 79MI041 | 15.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79MI042 | 7.0 | 20 | N | <15 | 5.0 | 20 | <3.0 | N | <70 | 50 | <7 | 300 |
| 79MI043 | 15.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 500 |
| 79MI044 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 30 | 500 |
| 79MI045 | 15.0 | 20 | N | <15 | 30.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79MI046 | 15.0 | 20 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 79MI047 | 10.0 | 20 | N | <15 | 10.0 | 30 | 5.0 | N | <70 | 100 | 20 | 500 |
| 79MI048 | 20.0 | 20 | N | <15 | 30.0 | 30 | 15.0 | N | 100 | 300 | 20 | 300 |
| 79MI049 | 20.0 | 20 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79MI050 | 15.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79MI051 | 15.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79MI052 | 15.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79MI053 | 15.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | N | 100 | 20 | 300 |
| 79MI054 | 15.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79MI055 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | <70 | 100 | 30 | 500 |
| 79MI056 | 15.0 | 30 | N | N | 10.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79MI057 | 7.0 | 20 | N | N | 15.0 | 20 | 5.0 | N | 100 | 50 | 15 | 150 |
| 79MI058 | 7.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 50 | 15 | 70 |
| 79MI059 | 15.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | <70 | 100 | 15 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Al % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|------|-------|------|-----|---------|-----|------|-----|
| 79M1060 | 46 37 48 | 88 3 3 | 3.00 | .30 | .30 | .30 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 79M1061 | 46 36 31 | 88 3 21 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 300.0 | <.7 | 7.0 | 50 |
| 79M1062 | 46 36 3 | 88 4 55 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 70 |
| 79M1063 | 46 37 6 | 88 4 53 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 50 |
| 79M1064 | 46 37 34 | 88 6 22 | 3.00 | .20 | .30 | .50 | 200 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |
| 79M1065 | 46 38 0 | 88 7 35 | 2.00 | .30 | .20 | .50 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 30 |
| 79M1066 | 46 37 15 | 88 7 48 | 2.00 | .20 | .30 | .50 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 50 |
| 79M1067 | 46 33 27 | 88 3 30 | 5.00 | .70 | .50 | .70 | 500 | N | 100 | 500.0 | 1.5 | 15.0 | 100 |
| 79M1068 | 46 33 53 | 88 3 41 | 5.00 | .70 | .70 | .70 | 500 | N | 70 | 300.0 | 1.5 | 10.0 | 100 |
| 79M1069 | 46 30 14 | 88 2 3 | 5.00 | 1.50 | .30 | .70 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 150 |
| 79M1070 | 46 40 1 | 88 1 26 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 500.0 | 1.5 | 7.0 | 100 |
| 79M1071 | 46 40 29 | 88 0 33 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 300.0 | 1.0 | 7.0 | 100 |
| 79M1072 | 46 33 54 | 88 7 8 | 3.00 | .70 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 10.0 | 150 |
| 79M1073 | 46 34 3 | 88 6 23 | 3.00 | .70 | .30 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79M1074 | 46 37 1 | 88 11 23 | 3.00 | .70 | .20 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 79M1075 | 46 36 11 | 88 10 39 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 300.0 | 1.5 | 10.0 | 100 |
| 79M1200 | 46 31 13 | 88 0 8 | 7.00 | .70 | .50 | .70 | 300 | N | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 79M1201 | 46 31 5 | 88 1 5 | 7.00 | .70 | .30 | .70 | 500 | N | 70 | 500.0 | <.7 | 10.0 | 100 |
| 79M1202 | 46 32 58 | 88 12 51 | 5.00 | .70 | .50 | 1.00 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 150 |
| 79M1203 | 46 32 16 | 88 12 19 | 5.00 | 1.00 | .70 | .50 | 300 | N | 100 | 500.0 | 1.0 | 15.0 | 100 |
| 79M1204 | 46 31 56 | 88 13 3 | 3.00 | .20 | .30 | 1.00 | 300 | N | 100 | 500.0 | 1.0 | 5.0 | 70 |
| 79M1205 | 46 30 53 | 88 12 4 | 3.00 | .70 | .50 | .70 | 300 | <.30 | 70 | 1,000.0 | 1.0 | 7.0 | 150 |
| 79M1206 | 46 31 2 | 88 10 38 | 5.00 | .70 | .50 | .70 | 500 | N | 70 | 700.0 | 1.5 | 10.0 | 100 |
| 79M1207 | 46 30 9 | 88 11 6 | 5.00 | .70 | .50 | .70 | 300 | N | 70 | 500.0 | 1.5 | 10.0 | 100 |
| 79M1208 | 46 31 35 | 88 9 25 | 7.00 | .70 | .50 | .50 | 500 | N | 70 | 300.0 | 1.5 | 10.0 | 100 |
| 79M1209 | 46 31 0 | 88 8 32 | 7.00 | .70 | .70 | .70 | 700 | N | 70 | 500.0 | 1.5 | 15.0 | 150 |
| 79M1210 | 46 30 23 | 88 8 14 | 5.00 | .50 | .30 | .70 | 500 | <.30 | 100 | 500.0 | 1.5 | 10.0 | 70 |
| 79M1211 | 46 31 19 | 88 7 25 | 5.00 | .70 | .30 | .70 | 500 | <.30 | 100 | 700.0 | 1.0 | 10.0 | 100 |
| 79M1212 | 46 31 17 | 88 5 50 | 5.00 | 1.00 | .30 | .70 | 500 | N | 150 | 700.0 | 1.5 | 10.0 | 100 |
| 79M1213 | 46 31 52 | 88 4 9 | 7.00 | 1.00 | .50 | .50 | 1,000 | N | 150 | 700.0 | 1.5 | 15.0 | 200 |
| 79M1214 | 46 30 43 | 88 6 43 | 5.00 | .70 | .30 | .70 | 300 | <.30 | 100 | 700.0 | 1.5 | 10.0 | 100 |
| 79M1215 | 46 30 31 | 88 5 19 | 3.00 | .50 | .30 | 1.00 | 300 | <.30 | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79M1216 | 46 31 53 | 88 2 59 | 3.00 | .50 | .30 | .70 | 500 | 1.50 | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79M1217 | 46 32 7 | 88 4 7 | 5.00 | .70 | .50 | .70 | 1,500 | 1.00 | 100 | 1,000.0 | 1.0 | 10.0 | 100 |
| 79M1218 | 46 31 55 | 88 1 53 | 5.00 | .70 | .30 | .50 | 1,500 | <.30 | 70 | 500.0 | 1.5 | 10.0 | 100 |
| 79M1219 | 46 32 33 | 88 9 30 | .15 | .10 | 1.50 | .15 | 150 | N | 50 | 150.0 | 1.0 | N | 20 |
| 79M1220 | 46 32 34 | 88 10 15 | 10.00 | 1.00 | .70 | 1.00 | 700 | <.30 | 70 | 500.0 | <.7 | 15.0 | 150 |
| 79M1221 | 46 33 3 | 88 11 58 | 3.00 | .70 | .50 | .70 | 300 | N | 100 | 300.0 | 1.0 | 7.0 | 70 |
| 79M1222 | 46 30 11 | 88 1 24 | 5.00 | .70 | .30 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 70 |
| 79M1211 | 46 15 22 | 88 26 40 | 2.00 | .30 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79M1060 | 10.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79M1061 | 15.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 15 | 300 |
| 79M1062 | 10.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79M1063 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79M1064 | 10.0 | 20 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 15 | 500 |
| 79M1065 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 70 | 10 | 300 |
| 79M1066 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 300 |
| 79M1067 | 15.0 | 20 | N | <15 | 70.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79M1068 | 20.0 | 20 | N | <15 | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79M1069 | 15.0 | 20 | N | <15 | 30.0 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79M1070 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79M1071 | 10.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79M1072 | 15.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79M1073 | 15.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 15 | 300 |
| 79M1074 | 15.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79M1075 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | <70 | 150 | 20 | 300 |
| 79M1200 | 30.0 | 20 | <3.0 | <15 | 50.0 | 20 | 5.0 | N | 100 | 100 | 20 | 500 |
| 79M1201 | 20.0 | 20 | <3.0 | <15 | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79M1202 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79M1203 | 20.0 | <15 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 15 | 300 |
| 79M1204 | 15.0 | 30 | N | <15 | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 79M1205 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 700 |
| 79M1206 | 20.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 30 | 500 |
| 79M1207 | 15.0 | 20 | 5.0 | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79M1208 | 30.0 | 20 | 5.0 | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79M1209 | 30.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79M1210 | 20.0 | 20 | 5.0 | <15 | 30.0 | 20 | 7.0 | N | <70 | 150 | 20 | 300 |
| 79M1211 | 15.0 | 30 | <3.0 | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79M1212 | 20.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79M1213 | 70.0 | 20 | 10.0 | <15 | 70.0 | 20 | 15.0 | N | 100 | 200 | 20 | 200 |
| 79M1214 | 20.0 | 20 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79M1215 | 15.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79M1216 | 20.0 | 20 | 7.0 | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79M1217 | 15.0 | 20 | 7.0 | <15 | 50.0 | 20 | 7.0 | N | 100 | 150 | 30 | 700 |
| 79M1218 | 30.0 | 20 | 5.0 | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79M1219 | 10.0 | 20 | N | N | <3.0 | 30 | <3.0 | N | N | 30 | 15 | 70 |
| 79M1220 | 30.0 | 20 | 10.0 | <15 | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 79M1221 | 15.0 | 20 | N | <15 | 30.0 | 15 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79M1222 | 15.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79M1011 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79NL012 | 46 16 9 | 88 27 15 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL013 | 46 16 54 | 88 27 30 | 3.00 | .50 | .30 | .70 | 300 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL014 | 46 18 1 | 88 28 53 | 3.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL015 | 46 16 38 | 88 28 54 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79NL016 | 46 15 42 | 88 25 41 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL017 | 46 16 33 | 88 25 2 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL018 | 46 17 14 | 88 24 15 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL019 | 46 16 46 | 88 23 6 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL020 | 46 16 14 | 88 22 11 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL021 | 46 15 32 | 88 22 48 | 3.00 | .50 | .70 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 150 |
| 79NL022 | 46 17 47 | 88 23 22 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 100 |
| 79NL023 | 46 18 16 | 88 22 18 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL028 | 46 18 53 | 88 21 25 | 3.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL029 | 46 19 43 | 88 20 55 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL030 | 46 19 53 | 88 19 4 | 2.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 100 |
| 79NL031 | 46 19 10 | 88 19 59 | 2.00 | .50 | .50 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL032 | 46 18 24 | 88 20 16 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL033 | 46 17 28 | 88 20 36 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL034 | 46 16 39 | 88 20 59 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL035 | 46 16 54 | 88 18 52 | 5.00 | .50 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL036 | 46 17 3 | 88 17 31 | 3.00 | .30 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL037 | 46 16 24 | 88 16 35 | 3.00 | .50 | .30 | .50 | 700 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79NL038 | 46 15 34 | 88 15 37 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL039 | 46 15 45 | 88 17 55 | 2.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL040 | 46 18 8 | 88 18 47 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79NL041 | 46 18 10 | 88 17 12 | 3.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL042 | 46 19 5 | 88 16 49 | 2.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL043 | 46 17 41 | 88 15 55 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79NL044 | 46 15 45 | 88 20 52 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL045 | 46 19 29 | 88 26 35 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL046 | 46 18 59 | 88 25 18 | 3.00 | .50 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL047 | 46 21 58 | 88 26 28 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL048 | 46 21 5 | 88 26 12 | 3.00 | .50 | .50 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79NL049 | 46 21 13 | 88 24 57 | 3.00 | .50 | .20 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 150 |
| 79NL050 | 46 22 9 | 88 24 55 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL051 | 46 24 41 | 88 27 8 | 3.00 | .50 | .20 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL052 | 46 25 44 | 88 27 7 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL053 | 46 26 31 | 88 27 52 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 150 |
| 79NL054 | 46 27 25 | 88 27 56 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 150 |
| 79NL055 | 46 27 47 | 88 29 2 | 3.00 | .50 | .30 | 1.00 | 1,000 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Hb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79NL012 | 20.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL013 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79NL014 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79NL015 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79NL016 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79NL017 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL018 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79NL019 | 15.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79NL020 | 15.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL021 | 50.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79NL022 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL023 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL028 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79NL029 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL030 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79NL031 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79NL032 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79NL033 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79NL034 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL035 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL036 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79NL037 | 10.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79NL038 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79NL039 | 20.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79NL040 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79NL041 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 50 | 500 |
| 79NL042 | 15.0 | 50 | N | N | 20.0 | 50 | 15.0 | N | 150 | 100 | 50 | 300 |
| 79NL043 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL044 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL045 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79NL046 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79NL047 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL048 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL049 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL050 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 30 |
| 79NL051 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL052 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79NL053 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL054 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79NL055 | 20.0 | 30 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79NL056 | 46 20 42 | 88 20 12 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL057 | 46 21 37 | 88 20 16 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL058 | 46 22 34 | 88 19 47 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL059 | 46 23 24 | 88 20 46 | 3.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL060 | 46 23 48 | 88 21 55 | 3.00 | .50 | .30 | 1.00 | 1,000 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL061 | 46 23 54 | 88 23 16 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL062 | 46 23 45 | 88 24 9 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL063 | 46 24 29 | 88 24 19 | 3.00 | .30 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL064 | 46 24 25 | 88 25 47 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL065 | 46 24 35 | 88 21 30 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL066 | 46 25 19 | 88 22 9 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL067 | 46 26 4 | 88 22 53 | 3.00 | .50 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79NL068 | 46 24 24 | 88 20 2 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL069 | 46 23 30 | 88 18 39 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79NL070 | 46 23 8 | 88 17 32 | 3.00 | .70 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL071 | 46 22 23 | 88 17 7 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL072 | 46 24 30 | 88 18 5 | 1.50 | .15 | .20 | 1.00 | 200 | N | 150 | 1,000.0 | <.7 | <3.0 | 70 |
| 79NL073 | 46 24 45 | 88 16 53 | 3.00 | .30 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL074 | 46 24 55 | 88 15 37 | 3.00 | .30 | .30 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL075 | 46 25 16 | 88 18 5 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL076 | 46 26 15 | 88 16 33 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | 1.0 | 7.0 | 100 |
| 79NL077 | 46 27 5 | 88 15 21 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | 1.0 | 7.0 | 100 |
| 79NL078 | 46 26 7 | 88 16 3 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79NL079 | 46 25 59 | 88 19 26 | 3.00 | .20 | .20 | .50 | 200 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL080 | 46 26 52 | 88 17 23 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL081 | 46 27 41 | 88 17 43 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL082 | 46 28 23 | 88 17 50 | 3.00 | .20 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL083 | 46 20 54 | 88 15 22 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL084 | 46 20 30 | 88 16 51 | 2.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL085 | 46 21 20 | 88 18 7 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79NL086 | 46 21 45 | 88 15 25 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL087 | 46 22 40 | 88 15 5 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79NL088 | 46 18 51 | 88 23 45 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL089 | 46 19 49 | 88 23 2 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL090 | 46 17 58 | 88 25 18 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,500.0 | 1.0 | 7.0 | 100 |
| 79NL091 | 46 18 33 | 88 26 18 | 3.00 | .50 | .30 | .70 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL092 | 46 20 4 | 88 24 57 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79NL093 | 46 28 46 | 88 28 59 | 3.00 | .30 | .20 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79NL200 | 46 28 52 | 88 22 10 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 79NL201 | 46 28 35 | 88 23 32 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |

0-HORIZON SOIL SAMPLES --continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79NL056 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL057 | 20.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL058 | 15.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79NL059 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL060 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL061 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79NL062 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79NL063 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 150 | 20 | 500 |
| 79NL064 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79NL065 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL066 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL067 | 20.0 | 50 | N | <15 | 70.0 | 20 | 15.0 | N | 100 | 200 | 30 | 500 |
| 79NL068 | 20.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | <70 | 150 | 30 | 300 |
| 79NL069 | 20.0 | 30 | N | <15 | 50.0 | 20 | 15.0 | N | 100 | 200 | 30 | 300 |
| 79NL070 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79NL071 | 30.0 | 30 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 200 | 30 | 300 |
| 79NL072 | 10.0 | 50 | N | N | <3.0 | 20 | 7.0 | N | <70 | 150 | 50 | 300 |
| 79NL073 | 20.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79NL074 | 15.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL075 | 20.0 | 30 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79NL076 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 150 | 30 | 500 |
| 79NL077 | 15.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL078 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL079 | 10.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79NL080 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL081 | 20.0 | 30 | <3.0 | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79NL082 | 15.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79NL083 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79NL084 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79NL085 | 15.0 | 30 | N | <15 | 10.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79NL086 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79NL087 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79NL088 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL089 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL090 | 20.0 | 30 | 7.0 | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79NL091 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL092 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | <70 | 150 | 20 | 300 |
| 79NL093 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79NL200 | 20.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79NL201 | 20.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Ag % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|----------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 790N0202 | 46 28 6 | 38 24 36 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 790N0203 | 46 29 43 | 38 21 16 | 2.00 | .20 | .20 | 1.00 | 300 | N | 100 | 500.0 | 1.0 | 5.0 | 70 |
| 790N0302 | 46 48 53 | 39 26 27 | 2.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0303 | 46 49 2 | 39 27 34 | 3.00 | .30 | .70 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0304 | 46 47 39 | 39 26 39 | 3.00 | .70 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 790N0305 | 46 50 12 | 39 21 49 | 3.00 | .50 | .70 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 790N0306 | 46 47 40 | 39 22 40 | 2.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0307 | 46 45 40 | 39 15 50 | 3.00 | .30 | .70 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 790N0308 | 46 46 15 | 39 16 48 | 2.00 | .30 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 790N0309 | 46 46 41 | 39 17 38 | 3.00 | .70 | .70 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 790N0400 | 46 47 31 | 39 17 3 | 2.00 | .50 | .70 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0401 | 46 45 14 | 39 17 59 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0402 | 46 49 2 | 39 19 18 | 3.00 | .30 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 790N0403 | 46 50 13 | 39 19 22 | 2.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 790N0404 | 46 52 33 | 39 15 6 | 5.00 | .70 | .30 | >1.50 | 1,500 | N | 150 | 1,000.0 | <.7 | 20.0 | 100 |
| 790N0405 | 46 46 44 | 38 31 38 | 3.00 | .15 | .20 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 790N0406 | 46 46 49 | 38 33 16 | 2.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 790N0407 | 46 47 3 | 38 34 40 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 790N0408 | 46 47 3 | 38 35 47 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 790N0409 | 46 47 16 | 38 37 13 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 790N0500 | 46 46 27 | 38 38 5 | 3.00 | .15 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 790N0501 | 46 45 58 | 38 39 13 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 790N0502 | 46 45 50 | 38 40 24 | 3.00 | .50 | .20 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0503 | 46 45 49 | 38 41 38 | 1.50 | .20 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | <3.0 | 30 |
| 790N0504 | 46 45 58 | 38 42 55 | 3.00 | .70 | .30 | 1.00 | 700 | N | 300 | 1,000.0 | 1.0 | 10.0 | 100 |
| 790N0505 | 46 45 59 | 38 44 9 | 2.00 | .20 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 790N0506 | 46 46 50 | 38 44 34 | 1.00 | .15 | .15 | .50 | 200 | N | 50 | 1,000.0 | <.7 | <3.0 | 50 |
| 790N0507 | 46 48 28 | 38 44 28 | 3.00 | .30 | .10 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 790N0508 | 46 47 38 | 38 43 24 | 2.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 790N0509 | 46 48 38 | 38 43 5 | 3.00 | .15 | .20 | .70 | 500 | N | 50 | 700.0 | <.7 | 7.0 | 70 |
| 790N0600 | 46 47 46 | 38 41 54 | 2.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 790N0601 | 46 49 19 | 38 41 20 | 2.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 790N0602 | 46 50 14 | 38 41 19 | 2.00 | .50 | .30 | 1.00 | 300 | N | 100 | 1,500.0 | <.7 | 7.0 | 50 |
| 790N0603 | 46 51 3 | 38 41 25 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 790N0604 | 46 51 25 | 38 42 35 | 5.00 | .70 | .30 | 1.00 | 5,000 | N | 500 | 1,000.0 | 3.0 | 20.0 | 100 |
| 790N0605 | 46 51 37 | 38 43 42 | 1.00 | .20 | .30 | .50 | 200 | N | <7 | 1,500.0 | N | 5.0 | 30 |
| 790N0606 | 46 50 52 | 38 44 6 | 3.00 | .30 | .30 | .70 | 500 | N | 300 | 1,500.0 | <.7 | 7.0 | 70 |
| 790N0607 | 46 50 8 | 38 44 24 | 1.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 5.0 | 50 |
| 790N0608 | 46 49 16 | 38 44 25 | 1.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 5.0 | 50 |
| 790N0609 | 46 52 34 | 38 44 10 | 3.00 | .20 | .30 | .70 | 300 | N | 300 | 1,000.0 | <.7 | <3.0 | 100 |

D-HORIZON SOIL SAMPLES continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|-----|-----|------|----|------|----|-----|-----|----|-----|
| 79NL202 | 15.0 | 20 | N | <15 | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79NL203 | 10.0 | 30 | N | <15 | 7.0 | 20 | 5.0 | N | 100 | 70 | 20 | 500 |
| 79ON032 | 30.0 | 30 | 7.0 | <15 | 15.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79ON033 | 30.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79ON034 | 30.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79ON035 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79ON036 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79ON037 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 150 | 150 | 30 | 300 |
| 79ON038 | 50.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79ON039 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79ON040 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 50 | 300 |
| 79ON041 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79ON042 | 30.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79ON043 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79ON044 | 50.0 | 30 | N | N | 70.0 | 20 | 15.0 | N | 100 | 200 | 30 | 300 |
| 79PK001 | 20.0 | 150 | 5.0 | <15 | 10.0 | 30 | 10.0 | N | <70 | 100 | 30 | 150 |
| 79PK002 | 15.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 500 |
| 79PK003 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79PK004 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK005 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 70 | 20 | 300 |
| 79PK006 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79PK007 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 30 | 300 |
| 79PK008 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK009 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79PK010 | 30.0 | 50 | N | N | 30.0 | 20 | 15.0 | N | 100 | 150 | 30 | 200 |
| 79PK011 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79PK012 | 10.0 | 50 | N | N | <3.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79PK013 | 15.0 | 50 | N | <15 | 10.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79PK014 | 20.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79PK015 | 20.0 | 50 | N | N | 10.0 | 20 | 10.0 | N | <70 | 150 | 20 | 300 |
| 79PK016 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK017 | 15.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79PK018 | 15.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 20 | 200 |
| 79PK019 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 150 | 100 | 30 | 300 |
| 79PK020 | 30.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | <70 | 150 | 30 | 200 |
| 79PK021 | 10.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | 150 | 70 | 20 | 50 |
| 79PK022 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79PK023 | 10.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | 150 | 50 | 20 | 150 |
| 79PK024 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79PK025 | 15.0 | 30 | N | <15 | 10.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |

A-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 79PK026 | 46 53 16 | 88 43 32 | 3.00 | .20 | .20 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79PK027 | 46 54 5 | 88 42 59 | 5.00 | .20 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79PK028 | 46 54 36 | 88 44 0 | 7.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79PK029 | 46 55 39 | 88 44 11 | 2.00 | .15 | .20 | .50 | 300 | N | 70 | 1,500.0 | <.7 | <3.0 | 50 |
| 79PK030 | 46 56 25 | 88 44 29 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,000.0 | 1.0 | 15.0 | 100 |
| 79PK031 | 46 54 38 | 88 39 10 | 2.00 | .15 | .30 | .30 | 300 | N | 70 | 1,000.0 | <.7 | <3.0 | 50 |
| 79PK032 | 46 54 37 | 88 40 33 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK033 | 46 54 43 | 88 42 1 | 2.00 | .15 | .20 | .30 | 200 | N | 20 | 1,000.0 | <.7 | <3.0 | 50 |
| 79PK034 | 46 55 41 | 88 41 55 | 3.00 | .20 | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 79PK035 | 46 56 20 | 88 41 54 | 2.00 | .15 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK036 | 46 56 21 | 88 39 12 | 1.50 | .30 | .50 | .30 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK037 | 46 57 40 | 88 39 11 | 5.00 | .20 | .30 | >1.50 | 700 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79PK038 | 46 58 27 | 88 39 39 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79PK039 | 46 58 51 | 88 44 2 | 1.00 | .15 | .30 | .50 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79PK040 | 46 59 48 | 88 44 0 | 1.50 | .20 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79PK041 | 46 59 18 | 88 42 53 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK042 | 46 58 46 | 88 42 36 | 5.00 | .20 | .30 | 1.00 | 1,000 | N | 50 | 1,000.0 | <.7 | 10.0 | 100 |
| 79PK043 | 46 59 19 | 88 42 34 | 1.50 | .15 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK044 | 46 58 15 | 88 43 10 | 1.00 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK045 | 46 57 32 | 88 34 20 | 2.00 | .30 | .15 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK046 | 46 56 44 | 88 35 8 | 2.00 | .30 | .20 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK047 | 46 55 32 | 88 34 43 | 3.00 | .20 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK048 | 46 57 10 | 88 37 38 | 3.00 | .30 | .20 | .70 | 500 | N | 300 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK049 | 46 58 7 | 88 35 38 | 3.00 | .20 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 50 |
| 79PK050 | 46 59 47 | 88 35 31 | 2.00 | .30 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79PK051 | 46 59 4 | 88 35 0 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK052 | 46 59 45 | 88 37 27 | 3.00 | .50 | 1.00 | 1.00 | 700 | N | 300 | 1,000.0 | 1.0 | 10.0 | 100 |
| 79PK053 | 46 58 55 | 88 37 26 | 3.00 | .20 | .30 | .70 | 500 | N | 300 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK054 | 46 58 1 | 88 37 36 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79PK055 | 46 56 1 | 88 37 13 | 3.00 | 1.00 | .30 | >1.50 | 1,000 | N | 300 | 1,500.0 | 1.0 | 15.0 | 100 |
| 79PK056 | 46 54 37 | 88 36 15 | 2.00 | .20 | .30 | .50 | 300 | N | 70 | 1,500.0 | N | 5.0 | 30 |
| 79PK057 | 46 55 1 | 88 37 40 | 3.00 | .50 | .20 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK058 | 46 53 48 | 88 35 35 | 3.00 | .20 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK059 | 46 53 23 | 88 37 0 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79PK060 | 46 54 3 | 88 38 16 | 3.00 | .70 | .30 | 1.00 | 700 | N | 300 | 1,000.0 | <.7 | 10.0 | 100 |
| 79PK061 | 46 53 49 | 88 40 3 | 3.00 | .70 | .30 | 1.00 | 700 | N | 300 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK062 | 46 53 8 | 88 38 18 | 1.50 | .70 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK063 | 46 52 27 | 88 40 57 | 1.00 | .20 | .30 | .50 | 200 | N | 300 | 1,000.0 | <.7 | <3.0 | 50 |
| 79PK064 | 46 51 59 | 88 39 27 | 3.00 | .20 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK065 | 46 51 7 | 88 39 17 | 3.00 | .50 | .30 | 1.00 | 1,000 | N | 300 | 1,000.0 | 1.0 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | Li | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79PK026 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK027 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79PK028 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79PK029 | 10.0 | 30 | N | N | 5.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79PK030 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | <70 | 150 | 30 | 300 |
| 79PK031 | 10.0 | 30 | N | N | 5.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79PK032 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 200 |
| 79PK033 | 10.0 | 50 | N | N | 5.0 | 20 | 7.0 | N | 100 | 70 | 15 | 150 |
| 79PK034 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79PK035 | 10.0 | 70 | N | N | <3.0 | 20 | 7.0 | N | 100 | 70 | 30 | 150 |
| 79PK036 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 50 | 20 | 100 |
| 79PK037 | 20.0 | 30 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 200 | 20 | 200 |
| 79PK038 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79PK039 | 10.0 | 30 | N | N | <3.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79PK040 | 15.0 | 50 | N | N | 5.0 | 30 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79PK041 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79PK042 | 30.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 50 | 300 |
| 79PK043 | 15.0 | 50 | N | N | <3.0 | 20 | 7.0 | N | 100 | 50 | 20 | 200 |
| 79PK044 | 15.0 | 30 | N | N | 5.0 | 20 | 7.0 | N | 100 | 50 | 20 | 200 |
| 79PK045 | 15.0 | 30 | N | N | 15.0 | 30 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79PK046 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 70 | 20 | 300 |
| 79PK047 | 20.0 | 100 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79PK048 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK049 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79PK050 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79PK051 | 20.0 | 30 | N | N | 15.0 | 30 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79PK052 | 50.0 | 70 | N | <15 | 30.0 | 20 | 15.0 | N | 150 | 100 | 50 | 500 |
| 79PK053 | 20.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79PK054 | 20.0 | 50 | N | N | 15.0 | 30 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79PK055 | 50.0 | 50 | N | N | 50.0 | 30 | 15.0 | N | 100 | 150 | 50 | 500 |
| 79PK056 | 15.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79PK057 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK058 | 10.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 100 |
| 79PK059 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79PK060 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79PK061 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79PK062 | 10.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 50 | 20 | 150 |
| 79PK063 | 20.0 | 50 | N | N | 10.0 | 15 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79PK064 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 200 |
| 79PK065 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | N | 70 | 70 | 500 |

UNIONIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Hg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 79PK066 | 46 49 52 | 85 38 30 | 2.00 | .37 | .30 | .70 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 70 |
| 79PK067 | 46 49 21 | 85 38 40 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 5.0 | 50 |
| 79PK068 | 46 48 30 | 85 38 40 | 3.00 | .30 | .30 | .70 | 700 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79PK069 | 46 47 54 | 85 40 18 | 3.00 | .70 | .20 | .70 | 700 | N | 500 | 1,500.0 | 1.5 | 10.0 | 100 |
| 79PK070 | 46 46 49 | 85 39 32 | 3.00 | .70 | .30 | .70 | 700 | N | 300 | 1,500.0 | 1.5 | 10.0 | 70 |
| 79PK071 | 46 46 10 | 85 36 31 | 3.00 | .30 | .30 | .70 | 300 | N | 200 | 1,500.0 | 1.0 | 7.0 | 50 |
| 79PK072 | 46 45 5 | 85 36 26 | 3.00 | .50 | .30 | .70 | 700 | N | 300 | 1,500.0 | <.7 | 7.0 | 70 |
| 79PK073 | 46 45 11 | 85 34 46 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK074 | 46 45 11 | 85 33 22 | 3.00 | .20 | .30 | 1.00 | 700 | N | 300 | 1,000.0 | <.7 | 7.0 | 50 |
| 79PK075 | 46 45 29 | 85 31 58 | 3.00 | .30 | .30 | .70 | 700 | N | 200 | 1,500.0 | <.7 | 7.0 | 70 |
| 79PK076 | 46 45 33 | 85 30 45 | 3.00 | .50 | .50 | >1.50 | 1,000 | N | 300 | 1,000.0 | <.7 | 10.0 | 70 |
| 79PK077 | 46 47 59 | 85 34 4 | 2.00 | .30 | .15 | 1.00 | 700 | N | 150 | 1,000.0 | N | 5.0 | 30 |
| 79PK078 | 46 49 11 | 85 34 3 | 2.00 | .30 | .30 | 1.00 | 700 | N | 200 | 1,000.0 | <.7 | 7.0 | 50 |
| 79PK079 | 46 50 48 | 85 33 20 | 2.00 | .20 | .05 | 1.00 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 70 |
| 79PK080 | 46 48 33 | 85 35 47 | 3.00 | .70 | .70 | 1.00 | 1,000 | N | 200 | 1,000.0 | 1.0 | 15.0 | 100 |
| 79PK081 | 46 50 16 | 85 35 19 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK082 | 46 50 16 | 85 36 52 | 1.50 | .30 | .50 | .70 | 500 | N | 150 | 1,000.0 | N | 5.0 | 30 |
| 79PK083 | 46 51 40 | 85 36 59 | 1.50 | .30 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 70 |
| 79PK084 | 46 52 46 | 85 36 0 | 5.00 | .15 | .30 | 1.00 | 700 | N | 70 | 1,000.0 | N | 5.0 | 30 |
| 79PK085 | 46 53 46 | 85 34 25 | 3.00 | .15 | .20 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK086 | 46 53 53 | 85 33 15 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK087 | 46 55 32 | 85 31 17 | 1.50 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79PK088 | 46 55 29 | 85 32 52 | 2.00 | .20 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK089 | 46 54 36 | 85 30 59 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK090 | 46 52 7 | 85 32 23 | 2.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 30 |
| 79PK091 | 46 53 0 | 85 31 55 | 2.00 | .30 | .30 | .70 | 500 | N | 50 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK092 | 46 51 7 | 85 30 49 | 2.00 | .15 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK093 | 46 49 52 | 85 31 34 | 2.00 | .50 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 30 |
| 79PK094 | 46 49 50 | 85 32 44 | 1.50 | .30 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79PK095 | 46 48 35 | 85 31 24 | 3.00 | .15 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79PK096 | 46 47 37 | 85 30 40 | 3.00 | .50 | .30 | >1.50 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79PK097 | 46 59 53 | 85 30 28 | 2.00 | .50 | .50 | 1.00 | 700 | N | 150 | 1,500.0 | <.7 | 5.0 | 70 |
| 79PK098 | 46 50 0 | 85 31 23 | 2.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK099 | 46 58 7 | 85 31 27 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK100 | 46 43 49 | 85 13 26 | 3.00 | .50 | 1.50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79PK101 | 46 44 38 | 85 14 30 | 3.00 | .20 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79PK102 | 46 44 32 | 85 9 24 | 5.00 | .70 | 1.50 | >1.50 | 1,500 | N | 70 | 1,000.0 | <.7 | 20.0 | 150 |
| 79PK103 | 46 44 53 | 85 8 22 | 3.00 | .50 | .70 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79PK104 | 46 44 56 | 85 6 4 | 3.00 | .50 | .30 | 1.00 | 700 | N | 200 | 1,500.0 | <.7 | 10.0 | 100 |
| 79PK105 | 46 38 9 | 85 9 25 | 3.00 | 1.00 | .30 | 1.00 | 1,000 | N | 200 | 1,500.0 | <.7 | 10.0 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79PK066 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79PK067 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 50 | 20 | 300 |
| 79PK068 | 20.0 | 50 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79PK069 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | <70 | 100 | 30 | 200 |
| 79PK070 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 50 | 500 |
| 79PK071 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | <70 | 70 | 30 | 500 |
| 79PK072 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79PK073 | 20.0 | 50 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79PK074 | 20.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 150 |
| 79PK075 | 15.0 | 50 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79PK076 | 15.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 79PK077 | 20.0 | 50 | N | <15 | 5.0 | 20 | 7.0 | N | <70 | 50 | 30 | 300 |
| 79PK078 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | <70 | 70 | 20 | 300 |
| 79PK079 | 10.0 | 50 | N | N | 7.0 | 20 | 7.0 | N | N | 70 | 30 | 300 |
| 79PK080 | 70.0 | 50 | N | N | 50.0 | 30 | 15.0 | N | 100 | 100 | 50 | 300 |
| 79PK081 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79PK082 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 150 |
| 79PK083 | 10.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | <70 | 70 | 20 | 200 |
| 79PK084 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 200 | 20 | 500 |
| 79PK085 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79PK086 | 20.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79PK087 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79PK088 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79PK089 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 30 | 200 |
| 79PK090 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79PK091 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79PK092 | 10.0 | 50 | N | N | 10.0 | 30 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79PK093 | 20.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79PK094 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79PK095 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 150 | 20 | 70 |
| 79PK096 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79PK097 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79PK098 | 10.0 | 30 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79PK099 | 10.0 | 50 | N | N | 10.0 | 30 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79R0089 | 50.0 | 50 | N | <15 | 30.0 | 20 | 15.0 | N | 150 | 150 | 50 | 300 |
| 79R0090 | 20.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 15 | 200 |
| 79R0091 | 50.0 | 30 | N | N | 70.0 | 20 | 15.0 | N | 100 | 200 | 30 | 300 |
| 79R0092 | 30.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 150 | 20 | 300 |
| 79R0093 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79R0094 | 70.0 | 50 | N | <15 | 30.0 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 79R0230 | 46 39 18 | 89 5 39 | 3.00 | .70 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 100 |
| 79R0201 | 46 38 16 | 89 8 6 | 5.00 | 1.00 | .30 | .70 | 500 | N | 150 | 700.0 | 1.5 | 15.0 | 100 |
| 79R0232 | 46 36 8 | 89 5 40 | 5.00 | .70 | .50 | .70 | 700 | N | 100 | 700.0 | 1.5 | 10.0 | 150 |
| 79R0203 | 46 35 12 | 89 6 41 | 2.00 | .20 | .50 | .50 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 70 |
| 79R0204 | 46 36 19 | 89 1 20 | 3.00 | .15 | .15 | .70 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 20 |
| 79R0001 | 46 44 41 | 88 54 59 | 3.00 | .30 | .30 | .70 | 200 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79R0002 | 46 44 4 | 88 54 0 | 2.00 | .20 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79R0033 | 46 43 1 | 88 53 48 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79R0034 | 46 42 29 | 88 55 8 | 3.00 | .50 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79R0035 | 46 42 35 | 88 56 17 | 3.00 | .20 | .30 | .70 | 200 | N | 70 | 700.0 | <.7 | 5.0 | 50 |
| 79R0006 | 46 42 35 | 88 57 32 | 3.00 | .15 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 5.0 | 100 |
| 79R0037 | 46 43 1 | 88 56 41 | 5.00 | .30 | .30 | >1.50 | 1,000 | N | 50 | 700.0 | N | 7.0 | 100 |
| 79R0008 | 46 42 57 | 88 58 17 | 2.00 | .30 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79R0009 | 46 43 56 | 88 58 15 | 3.00 | .15 | .20 | .70 | 300 | N | 50 | 1,000.0 | <.7 | N | 20 |
| 79R0010 | 46 43 55 | 88 57 6 | 2.00 | .15 | .30 | 1.00 | 300 | N | 50 | 1,000.0 | <.7 | <3.0 | 15 |
| 79R0011 | 46 44 44 | 88 58 14 | 2.00 | .20 | .30 | .70 | 200 | N | 100 | 1,000.0 | <.7 | <3.0 | 15 |
| 79R0012 | 46 44 41 | 88 59 55 | 3.00 | .70 | .30 | .70 | 500 | N | 200 | 1,000.0 | 1.0 | 10.0 | 70 |
| 79R0013 | 46 43 51 | 89 0 0 | 5.00 | 1.00 | .30 | .70 | 700 | N | 200 | 1,000.0 | 1.0 | 10.0 | 100 |
| 79R0014 | 46 42 36 | 88 59 46 | 2.00 | .50 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79R0015 | 46 42 6 | 88 57 14 | 3.00 | .15 | .30 | .70 | 500 | N | 70 | 1,000.0 | N | 5.0 | 100 |
| 79R0016 | 46 41 23 | 88 56 36 | 2.00 | .10 | .15 | .50 | 200 | N | 50 | 1,000.0 | <.7 | <3.0 | 20 |
| 79R0017 | 46 40 44 | 88 56 38 | 3.00 | .15 | .20 | 1.00 | 300 | N | 50 | 1,000.0 | <.7 | 5.0 | 70 |
| 79R0018 | 46 40 53 | 88 57 59 | 2.00 | .15 | .30 | .70 | 500 | N | 20 | 1,000.0 | N | <3.0 | 30 |
| 79R0019 | 46 41 34 | 88 58 52 | 3.00 | .15 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79R0020 | 46 41 43 | 88 56 1 | 2.00 | .20 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79R0021 | 46 44 34 | 88 48 52 | 1.00 | .30 | .30 | .30 | 300 | N | 70 | 1,500.0 | <.7 | 5.0 | 50 |
| 79R0022 | 46 43 47 | 88 48 51 | 1.50 | .30 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79R0023 | 46 43 30 | 88 47 55 | 2.00 | .20 | .30 | .50 | 200 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79R0024 | 46 42 57 | 88 49 10 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79R0025 | 46 42 7 | 88 49 23 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79R0026 | 46 41 18 | 88 49 52 | 3.00 | .50 | .30 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79R0027 | 46 42 41 | 88 50 7 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79R0028 | 46 42 37 | 88 51 33 | 3.00 | .30 | .30 | .70 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 70 |
| 79R0029 | 46 42 37 | 88 52 38 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79R0030 | 46 42 3 | 88 53 26 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79R0031 | 46 41 14 | 88 53 4 | 2.00 | .30 | .30 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79R0032 | 46 40 51 | 88 54 2 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79R0033 | 46 40 50 | 88 55 20 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79R0034 | 46 39 58 | 88 57 1 | 3.00 | .15 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79R0035 | 46 39 57 | 88 58 4 | 3.00 | .15 | .30 | .70 | 300 | N | 50 | 1,000.0 | N | 5.0 | 50 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|----------|------|-----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79RU0200 | 20.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79RU0201 | 30.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79RU0202 | 30.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79RU0203 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79RU0204 | 15.0 | 20 | N | <15 | 7.0 | 20 | 5.0 | N | <70 | 70 | 15 | 200 |
| 79RU0001 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 150 | 70 | 20 | 300 |
| 79RU0002 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 70 | 30 | 500 |
| 79RU0003 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0004 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0005 | 15.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79RU0006 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 150 |
| 79RU0007 | 15.0 | 70 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79RU0008 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79RU0009 | 10.0 | 200 | N | N | 7.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79RU0010 | 15.0 | 30 | N | N | 10.0 | 20 | <3.0 | N | 100 | 50 | 20 | 200 |
| 79RU0011 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79RU0012 | 15.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0013 | 20.0 | 50 | N | N | 50.0 | 20 | 15.0 | N | 100 | 100 | 30 | 200 |
| 79RU0014 | 15.0 | 30 | N | N | 20.0 | 15 | 7.0 | N | 100 | 50 | 20 | 200 |
| 79RU0015 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79RU0116 | 7.0 | 30 | N | N | 7.0 | 15 | <3.0 | N | 100 | 50 | 15 | 150 |
| 79RU0117 | 15.0 | 20 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79RU0118 | 10.0 | 70 | N | N | 5.0 | 20 | 5.0 | N | <70 | 50 | 15 | 200 |
| 79RU0119 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU0200 | 10.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | 100 | 50 | 20 | 200 |
| 79RU0201 | 10.0 | 50 | N | N | 7.0 | 30 | 5.0 | N | 100 | 30 | 20 | 70 |
| 79RU0202 | 10.0 | 50 | N | N | 10.0 | 30 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79RU0203 | 10.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 150 |
| 79RU0204 | 15.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0205 | 15.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | 100 | 70 | 50 | 500 |
| 79RU0206 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0207 | 15.0 | 30 | <3.0 | N | 50.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79RU0208 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU0209 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79RU0210 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 150 |
| 79RU0211 | 10.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79RU0212 | 10.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 50 | 300 |
| 79RU0213 | 20.0 | 30 | <3.0 | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79RU0214 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79RU0215 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 70 | 15 | 300 |
| 79RU0216 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0217 | 15.0 | 30 | <3.0 | N | 50.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79RU0218 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU0219 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79RU0220 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 150 |
| 79RU0221 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79RU0222 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79RU0223 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79RU0224 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79RU0225 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 200 |
| 79RU0226 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 200 |
| 79RU0227 | 15.0 | 30 | <3.0 | N | 50.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79RU0228 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU0229 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79RU0230 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 150 |
| 79RU0231 | 10.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79RU0232 | 20.0 | 30 | <3.0 | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 50 | 300 |
| 79RU0233 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79RU0234 | 20.0 | 30 | <3.0 | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79RU0235 | 10.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 79RU036 | 46 39 55 | 88 59 38 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | <3.0 | 100 |
| 79RU037 | 46 39 2 | 88 59 55 | 5.00 | .50 | .50 | >1.50 | 1,000 | N | 200 | 1,000.0 | N | 10.0 | 100 |
| 79RU038 | 46 39 6 | 88 59 2 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU039 | 46 38 16 | 88 58 7 | 3.00 | 1.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79RU040 | 46 37 12 | 88 58 53 | 3.00 | .70 | .30 | .50 | 500 | N | 200 | 1,000.0 | 1.5 | 7.0 | 70 |
| 79RU041 | 46 37 26 | 88 58 9 | 3.00 | .30 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 100 |
| 79RU042 | 46 36 47 | 88 57 20 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU043 | 46 35 59 | 88 56 50 | 3.00 | .20 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | N | 7.0 | 70 |
| 79RU044 | 46 36 13 | 88 55 47 | 3.00 | .30 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | N | 7.0 | 70 |
| 79RU045 | 46 37 11 | 88 55 39 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | 1.0 | 7.0 | 100 |
| 79RU046 | 46 37 58 | 88 55 19 | 3.00 | .30 | .30 | .70 | 500 | N | 30 | 1,000.0 | <.7 | 5.0 | 70 |
| 79RU047 | 46 38 35 | 88 54 44 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU048 | 46 39 20 | 88 55 17 | 3.00 | 1.00 | .30 | .70 | 700 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79RU049 | 46 39 36 | 88 54 30 | 2.00 | .15 | .30 | .50 | 150 | N | 50 | 1,000.0 | <.7 | 5.0 | 20 |
| 79RU050 | 46 40 15 | 88 55 37 | 2.00 | .30 | .30 | .70 | 200 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79RU051 | 46 44 19 | 88 45 46 | 3.00 | .50 | .07 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 50 |
| 79RU052 | 46 43 29 | 88 45 40 | 1.50 | .30 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 20 |
| 79RU053 | 46 42 37 | 88 45 46 | 3.00 | .20 | .30 | .70 | 200 | N | 50 | 1,000.0 | <.7 | 5.0 | 50 |
| 79RU054 | 46 41 45 | 88 45 36 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU055 | 46 40 56 | 88 45 40 | 3.00 | .50 | .30 | 1.00 | 700 | N | 200 | 1,000.0 | 1.0 | 10.0 | 100 |
| 79RU056 | 46 39 59 | 88 45 47 | 3.00 | .50 | .50 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79RU057 | 46 39 6 | 88 46 0 | 2.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79RU058 | 46 38 14 | 88 46 6 | .70 | 1.50 | .20 | .70 | 150 | N | 150 | 1,000.0 | N | <3.0 | 100 |
| 79RU059 | 46 40 43 | 88 46 51 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU060 | 46 40 52 | 88 48 15 | 3.00 | .20 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79RU061 | 46 40 50 | 88 49 26 | 2.00 | .30 | .50 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU062 | 46 40 45 | 88 50 49 | 3.00 | .30 | .30 | .70 | 200 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU063 | 46 40 50 | 88 51 58 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79RU064 | 46 40 1 | 88 51 38 | 3.00 | .30 | .30 | 1.00 | 200 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU065 | 46 39 24 | 88 52 20 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU066 | 46 38 38 | 88 52 2 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU067 | 46 37 55 | 88 51 43 | 3.00 | .15 | .15 | .70 | 500 | N | 70 | 1,000.0 | N | 7.0 | 70 |
| 79RU068 | 46 37 10 | 88 51 35 | 3.00 | .50 | .30 | .70 | 300 | N | 150 | 1,000.0 | N | 7.0 | 70 |
| 79RU069 | 46 36 35 | 88 50 39 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | N | 5.0 | 100 |
| 79RU070 | 46 36 32 | 88 52 7 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 79RU071 | 46 35 33 | 88 52 58 | 5.00 | .50 | .50 | 1.00 | 700 | N | 150 | 1,000.0 | N | 10.0 | 150 |
| 79RU072 | 46 35 40 | 88 51 32 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79RU073 | 46 35 45 | 88 50 18 | 3.00 | .20 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79RU074 | 46 35 13 | 88 49 18 | 3.00 | .20 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79RU075 | 46 35 3 | 88 47 55 | 3.00 | .20 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79RU036 | 15.0 | 50 | N | N | 15.0 | 30 | 5.0 | N | 100 | 70 | 10 | 200 |
| 79RU037 | 20.0 | 30 | N | N | 20.0 | 20 | 15.0 | N | 100 | 200 | 30 | 70 |
| 79RU038 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79RU039 | 20.0 | 50 | N | N | 50.0 | 20 | 20.0 | N | 100 | 150 | 30 | 300 |
| 79RU040 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79RU041 | 20.0 | 30 | 7.0 | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 20 | 150 |
| 79RU042 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79RU043 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 150 |
| 79RU044 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79RU045 | 20.0 | 150 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79RU046 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79RU047 | 20.0 | 50 | <3.0 | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU048 | 20.0 | 50 | N | N | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 200 |
| 79RU049 | 15.0 | 30 | N | N | 10.0 | 20 | <3.0 | N | 100 | 50 | 10 | 100 |
| 79RU050 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79RU051 | 20.0 | 50 | N | <15 | 30.0 | 20 | 15.0 | N | <70 | 50 | 50 | 500 |
| 79RU052 | 10.0 | 50 | 7.0 | N | 20.0 | 20 | 5.0 | N | <70 | 30 | 30 | 300 |
| 79RU053 | 15.0 | 30 | <3.0 | N | 20.0 | 20 | 5.0 | N | <70 | 100 | 20 | 200 |
| 79RU054 | 15.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU055 | 15.0 | 70 | N | N | 50.0 | 20 | 15.0 | N | 150 | 100 | 50 | 200 |
| 79RU056 | 15.0 | 50 | N | N | 30.0 | 20 | 15.0 | N | 100 | 100 | 30 | 300 |
| 79RU057 | 10.0 | 50 | 7.0 | N | 30.0 | 20 | 5.0 | N | 100 | 70 | 30 | 300 |
| 79RU058 | 5.0 | 30 | N | N | 7.0 | 20 | <3.0 | N | 100 | 50 | 20 | 200 |
| 79RU059 | 15.0 | 30 | 7.0 | N | 30.0 | 20 | 15.0 | N | 150 | 100 | 30 | 300 |
| 79RU060 | 10.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU061 | 10.0 | 30 | 5.0 | N | 20.0 | 20 | 10.0 | N | 200 | 70 | 20 | 200 |
| 79RU062 | 15.0 | 50 | 10.0 | N | 30.0 | 20 | 15.0 | N | 100 | 100 | 30 | 300 |
| 79RU063 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79RU064 | 15.0 | 30 | 10.0 | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79RU065 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU066 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 79RU067 | 10.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 79RU068 | 20.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | 100 | 70 | 30 | 300 |
| 79RU069 | 15.0 | 30 | N | N | 20.0 | 20 | 15.0 | N | 100 | 100 | 30 | 500 |
| 79RU070 | 15.0 | 50 | 7.0 | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU071 | 50.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | <70 | 150 | 20 | 150 |
| 79RU072 | 30.0 | 30 | N | N | 70.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79RU073 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79RU074 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79RU075 | 15.0 | 30 | N | N | 30.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Al % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79RU076 | 46 34 57 | 88 46 44 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79RU077 | 46 35 44 | 88 47 33 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU078 | 46 36 38 | 88 47 11 | 2.00 | .20 | .20 | 1.00 | 150 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79RU079 | 46 37 32 | 88 48 7 | 3.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 79RU080 | 46 38 25 | 88 48 37 | 3.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU081 | 46 39 8 | 88 48 41 | 3.00 | .20 | .20 | .70 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79RU082 | 46 39 56 | 88 47 55 | 3.00 | .20 | .20 | .70 | 200 | N | 70 | 1,000.0 | <.7 | <3.0 | 70 |
| 79RU083 | 46 36 11 | 88 53 16 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU084 | 46 36 5 | 88 54 22 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU085 | 46 35 0 | 88 57 4 | 3.00 | .20 | .50 | 1.00 | 1,500 | N | 70 | 1,500.0 | <.7 | 7.0 | 100 |
| 79RU086 | 46 34 5 | 88 57 0 | 3.00 | .30 | .50 | 1.00 | 1,000 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU087 | 46 33 10 | 88 57 5 | 3.00 | .15 | .30 | .70 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 50 |
| 79RU088 | 46 32 12 | 88 57 19 | 1.00 | .20 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | <3.0 | 30 |
| 79RU089 | 46 31 41 | 88 55 52 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU090 | 46 31 34 | 88 58 12 | 3.00 | .30 | .50 | 1.00 | 1,000 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU091 | 46 30 52 | 88 57 23 | 2.00 | .30 | .30 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU092 | 46 30 12 | 88 56 38 | 5.00 | .30 | .30 | 1.00 | 1,000 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 79RU093 | 46 33 5 | 88 59 26 | 3.00 | .15 | .20 | .50 | 300 | N | 200 | 1,000.0 | <.7 | <3.0 | 50 |
| 79RU094 | 46 34 42 | 88 53 13 | 3.00 | .15 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU095 | 46 34 45 | 88 51 59 | 3.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU096 | 46 33 48 | 88 53 30 | 3.00 | .15 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79RU097 | 46 32 57 | 88 53 11 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 79RU098 | 46 32 9 | 88 53 13 | 2.00 | .15 | .20 | .70 | 200 | N | 150 | 1,000.0 | <.7 | <3.0 | 150 |
| 79RU099 | 46 31 15 | 88 53 12 | 3.00 | .15 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 79RU100 | 46 30 21 | 88 53 20 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU101 | 46 31 10 | 88 51 59 | 3.00 | .15 | .10 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 20 |
| 79RU102 | 46 32 58 | 88 54 33 | 3.00 | .15 | .20 | .30 | 200 | N | 50 | 1,000.0 | N | 5.0 | 70 |
| 79RU103 | 46 33 3 | 88 55 55 | 2.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU104 | 46 33 4 | 88 52 6 | 3.00 | .20 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79RU105 | 46 32 50 | 88 50 48 | 2.00 | .15 | .07 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79RU106 | 46 32 10 | 88 50 41 | 3.00 | .15 | .30 | 1.00 | 1,000 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79RU107 | 46 33 4 | 88 49 37 | 3.00 | .15 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU108 | 46 33 56 | 88 49 31 | 3.00 | .15 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 200 |
| 79RU109 | 46 33 0 | 88 48 16 | 2.00 | .15 | .10 | .70 | 200 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79RU110 | 46 32 55 | 88 46 59 | 2.00 | .07 | .10 | .50 | 200 | N | 100 | 1,000.0 | N | <3.0 | 50 |
| 79RU111 | 46 33 17 | 88 46 23 | 2.00 | .30 | .20 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 30 |
| 79RU112 | 46 34 6 | 88 46 27 | 2.00 | .20 | .30 | .70 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 50 |
| 79RU113 | 46 31 51 | 88 46 16 | 2.00 | .15 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79RU114 | 46 31 18 | 88 45 31 | 3.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79RU115 | 46 31 23 | 88 47 3 | 2.00 | .15 | .20 | 1.00 | 200 | N | 50 | 1,000.0 | N | 5.0 | 20 |

U-HORIZON SOIL SAMPLE-----continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79RU076 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 100 | 30 | 300 |
| 79RU077 | 15.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79RU078 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | <70 | 100 | 30 | 300 |
| 79RU079 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 150 | 30 | 300 |
| 79RU080 | 15.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79RU081 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | 30 | 100 | 150 | 30 | 300 |
| 79RU082 | 10.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79RU083 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU084 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79RU085 | 15.0 | 30 | N | N | 7.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79RU086 | 20.0 | 30 | N | N | 7.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79RU087 | 15.0 | 30 | 7.0 | N | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79RU088 | 7.0 | 50 | N | N | 7.0 | 30 | 5.0 | N | 100 | 30 | 70 | 150 |
| 79RU089 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79RU090 | 20.0 | 30 | 7.0 | <15 | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79RU091 | 15.0 | 50 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 70 | 30 | 150 |
| 79RU092 | 20.0 | 30 | <3.0 | | 30.0 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79RU093 | 10.0 | 30 | <3.0 | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 20 | 100 |
| 79RU094 | 15.0 | 30 | 7.0 | N | 20.0 | 20 | 5.0 | N | <70 | 100 | 10 | 300 |
| 79RU095 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79RU096 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79RU097 | 20.0 | 50 | N | N | 30.0 | 20 | 15.0 | N | 100 | 100 | 30 | 300 |
| 79RU098 | 10.0 | 50 | N | N | 7.0 | 20 | 5.0 | N | <70 | 70 | 20 | 100 |
| 79RU099 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79RU100 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79RU101 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79RU102 | 15.0 | 20 | N | N | 10.0 | 20 | 5.0 | N | N | 70 | 30 | 50 |
| 79RU103 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79RU104 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79RU105 | 10.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | <70 | 70 | 20 | 200 |
| 79RU106 | 10.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 200 |
| 79RU107 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79RU108 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 150 | 30 | 500 |
| 79RU109 | 15.0 | 30 | N | N | 5.0 | 20 | 10.0 | N | <70 | 150 | 20 | 300 |
| 79RU110 | 10.0 | 30 | N | N | <3.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79RU111 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79RU112 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79RU113 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | <70 | 70 | 30 | 300 |
| 79RU114 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79RU115 | 10.0 | 30 | N | N | 15.0 | 20 | <3.0 | N | <70 | 70 | 15 | 200 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Ag % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79PU116 | 46 30 16 | 88 46 53 | 3.00 | | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SA001 | 46 5 16 | 88 4 29 | 3.00 | | .30 | .50 | 300 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 79SA002 | 46 4 21 | 88 4 20 | 3.00 | | .30 | .50 | 300 | N | 100 | 1,000.0 | N | 20.0 | 70 |
| 79SA003 | 46 3 29 | 88 3 58 | 3.00 | | .20 | .70 | 200 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA004 | 46 3 31 | 88 3 6 | 3.00 | | .30 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79SA005 | 46 3 29 | 88 2 8 | 3.00 | | .30 | .50 | 200 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA006 | 46 3 54 | 88 0 49 | 3.00 | | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA007 | 46 3 58 | 88 0 2 | 3.00 | | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA008 | 46 3 12 | 88 0 2 | 3.00 | | .30 | .50 | 200 | N | 200 | 1,000.0 | N | 5.0 | 70 |
| 79SA009 | 46 2 40 | 88 1 23 | 3.00 | | .30 | .70 | 300 | N | 100 | 1,000.0 | N | 7.0 | 50 |
| 79SA010 | 46 5 16 | 88 3 14 | 3.00 | | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SA011 | 46 5 15 | 88 1 53 | 2.00 | | .20 | .50 | 150 | N | 70 | 1,000.0 | N | 5.0 | 50 |
| 79SA012 | 46 5 13 | 88 0 43 | 3.00 | | .30 | .50 | 200 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SA013 | 46 5 17 | 88 0 1 | 2.00 | | .30 | .50 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SA014 | 46 4 39 | 88 0 11 | 3.00 | | .30 | .30 | 500 | N | 100 | 1,000.0 | <.7 | 10.0 | 70 |
| 79SA015 | 46 6 6 | 88 4 33 | 2.00 | | .30 | .50 | 150 | N | 100 | 1,000.0 | N | 7.0 | 70 |
| 79SA016 | 46 7 8 | 88 4 30 | 3.00 | | .30 | .50 | 200 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SA017 | 46 6 59 | 88 3 19 | 3.00 | | .20 | .30 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 30 |
| 79SA018 | 46 2 40 | 88 3 43 | 3.00 | | .20 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA019 | 46 1 54 | 88 3 33 | 3.00 | | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA020 | 46 1 3 | 88 3 43 | 2.00 | | .30 | .30 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SA021 | 46 0 19 | 88 3 32 | 3.00 | | .30 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA022 | 46 0 26 | 88 2 21 | 2.00 | | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SA023 | 46 0 33 | 88 1 20 | 3.00 | | .30 | .30 | 500 | N | 150 | 1,000.0 | N | 7.0 | 70 |
| 79SA024 | 46 0 47 | 88 0 10 | 5.00 | | .50 | .70 | 1,000 | N | 300 | 1,500.0 | <.7 | 10.0 | 100 |
| 79SA025 | 46 1 25 | 88 4 33 | 3.00 | | .30 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA026 | 46 3 44 | 88 4 52 | 3.00 | | .30 | .50 | 1,000 | N | 200 | 1,000.0 | <.7 | 15.0 | 70 |
| 79SA027 | 46 3 37 | 88 5 44 | 3.00 | | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 79SA028 | 46 3 7 | 88 6 27 | 3.00 | | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 79SA029 | 46 2 3 | 88 6 29 | 2.00 | | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA030 | 46 4 24 | 88 5 49 | 2.00 | | .20 | .70 | 500 | N | 50 | 1,000.0 | N | 7.0 | 50 |
| 79SA031 | 46 5 14 | 88 5 49 | 2.00 | | .30 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA032 | 46 5 12 | 88 7 1 | 3.00 | | .30 | .70 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA033 | 46 6 19 | 88 7 2 | 3.00 | | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA034 | 46 4 20 | 88 7 38 | 3.00 | | .30 | .70 | 1,500 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 79SA035 | 46 3 29 | 88 7 43 | 3.00 | | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA036 | 46 2 37 | 88 7 49 | 3.00 | | .50 | .70 | 500 | N | 100 | 1,000.0 | N | 15.0 | 100 |
| 79SA037 | 46 2 22 | 88 9 5 | 3.00 | | .30 | 1.00 | 500 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79SA038 | 46 0 58 | 88 7 35 | 3.00 | | .30 | .70 | 700 | N | 200 | 1,000.0 | <.7 | 7.0 | 150 |
| 79SA039 | 46 0 57 | 88 6 24 | 3.00 | | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|----|------|----|------|----|-----|-----|----|-----|
| 79RU116 | 15.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | <70 | 100 | 30 | 300 |
| 79SA001 | 15.0 | 30 | <3.0 | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA002 | 50.0 | 30 | N | N | 30.0 | 50 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA003 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 10 | 300 |
| 79SA004 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 500 |
| 79SA005 | 30.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 15 | 500 |
| 79SA006 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79SA007 | 10.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79SA008 | 7.0 | 30 | N | N | 10.0 | 30 | 5.0 | N | 100 | 100 | 15 | 150 |
| 79SA009 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 15 | 200 |
| 79SA010 | 15.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA011 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | <70 | 100 | 10 | 300 |
| 79SA012 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SA013 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79SA014 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79SA015 | 15.0 | 30 | N | N | 20.0 | 20 | 5.0 | N | 100 | 100 | 50 | 300 |
| 79SA016 | 7.0 | 30 | N | N | 10.0 | 20 | <3.0 | N | 100 | 100 | 20 | 150 |
| 79SA017 | 15.0 | 30 | N | N | 20.0 | 30 | <3.0 | N | <70 | 70 | 10 | 100 |
| 79SA018 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA019 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79SA020 | 15.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79SA021 | 10.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79SA022 | 10.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79SA023 | 10.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SA024 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 79SA025 | 5.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 79SA026 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 200 | 20 | 300 |
| 79SA027 | 20.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 200 | 20 | 300 |
| 79SA028 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79SA029 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SA030 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 200 | 20 | 300 |
| 79SA031 | 15.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SA032 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA033 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 200 |
| 79SA034 | 50.0 | 30 | N | N | 50.0 | 30 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79SA035 | 20.0 | 30 | N | N | 30.0 | 20 | 15.0 | N | 100 | 200 | 30 | 300 |
| 79SA036 | 50.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA037 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA038 | 30.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | 100 | 150 | 50 | 300 |
| 79SA039 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79SA040 | 46 0 8 | 88 7 16 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA041 | 46 4 27 | 88 14 14 | 3.00 | .30 | .30 | .50 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA042 | 46 3 14 | 88 14 1 | 3.00 | .30 | .30 | 1.00 | 700 | N | 300 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA043 | 46 2 10 | 88 13 48 | 3.00 | .50 | .50 | 1.00 | 1,000 | N | 70 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA044 | 46 2 30 | 88 14 59 | 3.00 | .30 | .30 | 1.00 | 500 | N | 50 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA045 | 46 1 39 | 88 14 53 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | N | 5.0 | 70 |
| 79SA046 | 46 1 25 | 88 13 41 | 3.00 | .30 | .30 | 1.00 | 700 | N | 300 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA047 | 46 5 8 | 88 14 30 | 3.00 | .30 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA048 | 46 6 21 | 88 14 25 | 3.00 | .30 | .30 | .50 | 300 | N | 70 | 1,000.0 | N | 7.0 | 100 |
| 79SA049 | 46 6 53 | 88 14 14 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA050 | 46 6 47 | 88 12 37 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79SA051 | 46 6 19 | 88 11 26 | 5.00 | 1.00 | .50 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 20.0 | 500 |
| 79SA052 | 46 7 23 | 88 11 21 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SA053 | 46 7 51 | 88 10 47 | 3.00 | 1.00 | 1.00 | .90 | 700 | N | 150 | 1,000.0 | N | 7.0 | 100 |
| 79SA054 | 46 9 28 | 88 13 53 | 5.00 | .50 | .50 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA055 | 46 9 16 | 88 13 7 | 3.00 | .30 | .30 | .50 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA056 | 46 8 50 | 88 12 5 | 3.00 | .30 | .30 | .50 | 700 | N | 300 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA057 | 46 8 42 | 88 10 51 | 3.00 | .50 | .50 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA058 | 46 9 38 | 88 10 47 | 2.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA059 | 46 10 4 | 88 12 29 | 3.00 | .30 | .50 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 150 |
| 79SA060 | 46 10 16 | 88 10 14 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79SA061 | 46 9 37 | 88 9 32 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | N | 7.0 | 150 |
| 79SA062 | 46 9 40 | 88 8 16 | 3.00 | .70 | .50 | 1.00 | 300 | N | 100 | 1,000.0 | N | 10.0 | 150 |
| 79SA063 | 46 10 29 | 88 8 45 | 3.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA064 | 46 8 59 | 88 9 5 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA065 | 46 8 7 | 88 9 56 | 5.00 | .50 | .50 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA066 | 46 7 32 | 88 9 25 | 2.00 | .30 | .30 | .70 | 1,000 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79SA067 | 46 6 37 | 88 8 53 | 2.00 | .30 | .30 | .70 | 300 | N | 50 | 1,000.0 | N | 7.0 | 150 |
| 79SA068 | 46 5 17 | 88 8 58 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79SA069 | 46 5 54 | 88 10 13 | 5.00 | .70 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 15.0 | 150 |
| 79SA070 | 46 4 15 | 88 9 26 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA071 | 46 1 46 | 88 8 23 | 3.00 | .30 | .20 | .50 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79SA072 | 46 0 57 | 88 9 10 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA073 | 46 0 6 | 88 9 30 | 5.00 | .70 | .50 | 1.00 | 700 | N | 150 | 1,500.0 | <.7 | 10.0 | 200 |
| 79SA074 | 46 5 12 | 88 11 1 | 3.00 | .70 | .50 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA075 | 46 4 49 | 88 12 19 | 3.00 | .30 | .30 | 1.00 | 300 | N | 300 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA076 | 46 7 29 | 88 5 29 | 3.00 | .50 | .30 | .30 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA077 | 46 7 44 | 88 6 28 | 3.00 | .70 | .30 | .50 | 300 | N | 300 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA078 | 46 8 15 | 88 5 21 | .70 | .15 | .10 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA079 | 46 8 14 | 88 3 54 | 3.00 | .30 | .30 | .50 | 500 | N | 150 | 1,000.0 | N | 7.0 | 70 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|-------|----|------|----|-----|-----|----|-----|
| 79SA040 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA041 | 15.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79SA042 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79SA043 | 50.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 200 | 50 | 300 |
| 79SA044 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 20 | 150 |
| 79SA045 | 15.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 150 | 30 | 100 |
| 79SA046 | 30.0 | 30 | 10.0 | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA047 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA048 | 20.0 | 20 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79SA049 | 15.0 | 30 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA050 | 30.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA051 | 30.0 | 30 | N | N | 100.0 | 20 | 15.0 | N | 100 | 150 | 30 | 300 |
| 79SA052 | 30.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA053 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA054 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79SA055 | 15.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA056 | 30.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 50 | 500 |
| 79SA057 | 20.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA058 | 20.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79SA059 | 15.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SA060 | 20.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA061 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA062 | 20.0 | 30 | N | N | 50.0 | 50 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA063 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SA064 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA065 | 20.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA066 | 10.0 | 30 | N | N | 5.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79SA067 | 15.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA068 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | <70 | 100 | 20 | 200 |
| 79SA069 | 30.0 | 50 | 5.0 | <15 | 100.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA070 | 20.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA071 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | <70 | 100 | 30 | 300 |
| 79SA072 | 15.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA073 | 50.0 | 30 | N | N | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 500 |
| 79SA074 | 15.0 | 30 | <3.0 | N | 30.0 | 30 | 10.0 | N | 150 | 100 | 50 | 500 |
| 79SA075 | 20.0 | 30 | <3.0 | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79SA076 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 79SA077 | 20.0 | 30 | N | N | 50.0 | 30 | 15.0 | N | 100 | 150 | 20 | 200 |
| 79SA079 | 7.0 | 30 | N | <15 | 10.0 | 30 | 7.0 | N | <70 | 70 | 15 | 500 |
| 79SA080 | 20.0 | 30 | N | N | 30.0 | 30 | 7.0 | N | <70 | 150 | 20 | 150 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79SA081 | 46 8 17 | 88 3 3 | 2.00 | .15 | .20 | .20 | 500 | N | 50 | 1,000.0 | N | 5.0 | 70 |
| 79SA083 | 46 8 22 | 88 1 44 | 5.00 | .20 | .50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA084 | 46 7 59 | 88 0 53 | 3.00 | .30 | .30 | .70 | 1,000 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79SA085 | 46 7 37 | 88 0 19 | 5.00 | .20 | .30 | .50 | 500 | N | 100 | 1,500.0 | N | <3.0 | 50 |
| 79SA086 | 46 8 40 | 88 6 25 | 5.00 | 2.00 | 2.00 | .50 | 1,000 | N | 500 | 700.0 | 1.0 | 15.0 | 100 |
| 79SA087 | 46 9 32 | 88 6 45 | 3.00 | .30 | .30 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA088 | 46 9 24 | 88 5 1 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA089 | 46 10 2 | 88 4 18 | 3.00 | .50 | .30 | .70 | 700 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SA090 | 46 10 31 | 88 3 25 | 2.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA091 | 46 11 14 | 88 1 59 | 2.00 | .20 | .30 | .50 | 150 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79SA092 | 46 11 26 | 88 3 16 | 2.00 | .20 | .30 | .50 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SA093 | 46 11 46 | 88 4 19 | 2.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA094 | 46 12 59 | 88 3 29 | 3.00 | .20 | .10 | .50 | 100 | N | 200 | 1,000.0 | <.7 | 7.0 | 30 |
| 79SA095 | 46 12 50 | 88 5 2 | 3.00 | .30 | .30 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA096 | 46 13 30 | 88 4 58 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SA097 | 46 14 25 | 88 4 39 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA098 | 46 14 35 | 88 5 53 | 3.00 | .30 | .50 | .50 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA099 | 46 13 37 | 88 6 13 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA100 | 46 13 16 | 88 6 18 | 5.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA101 | 46 11 1 | 88 6 59 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79SA102 | 46 11 5 | 88 0 41 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 1,000.0 | N | 7.0 | 100 |
| 79SA103 | 46 10 24 | 88 0 5 | 5.00 | .50 | .50 | 1.00 | 700 | N | 150 | 1,000.0 | N | 10.0 | 150 |
| 79SA104 | 46 12 1 | 88 0 20 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79SA105 | 46 12 44 | 88 0 45 | 5.00 | .30 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | N | 5.0 | 200 |
| 79SA106 | 46 13 24 | 88 0 21 | 3.00 | .20 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA107 | 46 14 14 | 88 0 26 | 5.00 | .50 | .50 | .50 | 2,000 | N | 100 | 1,000.0 | N | 7.0 | 200 |
| 79SA108 | 46 14 47 | 88 0 42 | 5.00 | .70 | .50 | .70 | 2,000 | N | 200 | 1,000.0 | 1.0 | 20.0 | 200 |
| 79SA109 | 46 12 34 | 88 14 1 | 3.00 | .50 | .50 | 1.00 | 700 | N | 150 | 1,000.0 | N | 10.0 | 150 |
| 79SA110 | 46 12 56 | 88 12 50 | 5.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | N | 10.0 | 150 |
| 79SA111 | 46 13 49 | 88 12 40 | 3.00 | .50 | .50 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 150 |
| 79SA112 | 46 14 45 | 88 12 24 | 3.00 | .50 | .50 | .50 | 500 | N | 100 | 1,000.0 | N | 5.0 | 70 |
| 79SA113 | 46 13 33 | 88 11 30 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA114 | 46 12 55 | 88 11 23 | 3.00 | .30 | .30 | .50 | 200 | N | 70 | 1,000.0 | N | 5.0 | 100 |
| 79SA115 | 46 14 41 | 88 9 42 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | N | 5.0 | 100 |
| 79SA116 | 46 14 4 | 88 10 24 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA117 | 46 0 25 | 88 13 34 | 5.00 | .50 | .50 | .70 | 400 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SA118 | 46 1 8 | 88 12 29 | 3.00 | .50 | .50 | .50 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA119 | 46 0 34 | 88 12 2 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA120 | 46 1 27 | 88 10 59 | 3.00 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA121 | 46 2 16 | 88 10 32 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|-------|----|------|----|-----|-----|----|-----|
| 79SA081 | 20.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | <70 | 50 | 20 | 200 |
| 79SA083 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SA084 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | <70 | 150 | 30 | 500 |
| 79SA085 | 5.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 79SA036 | 70.0 | 50 | N | N | 100.0 | 30 | 15.0 | N | <70 | 100 | 50 | 500 |
| 79SA037 | 10.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79SA088 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 70 | 20 | 500 |
| 79SA089 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | <70 | 100 | 30 | 200 |
| 79SA090 | 10.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 70 | 20 | 500 |
| 79SA091 | 5.0 | 50 | N | N | 15.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79SA092 | 10.0 | 30 | N | N | 15.0 | 15 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79SA093 | 10.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79SA094 | 5.0 | 30 | <3.0 | N | 15.0 | 20 | 7.0 | N | <70 | 100 | 15 | 150 |
| 79SA095 | 7.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 200 |
| 79SA096 | 7.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79SA097 | 10.0 | 30 | 7.0 | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79SA098 | 15.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA099 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA100 | 15.0 | 30 | 7.0 | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA101 | 15.0 | 30 | <3.0 | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA102 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SA103 | 20.0 | 50 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA104 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SA105 | 10.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79SA106 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | <70 | 100 | 20 | 500 |
| 79SA107 | 50.0 | 50 | 7.0 | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 50 | 500 |
| 79SA108 | 70.0 | 70 | N | <15 | 70.0 | 50 | 15.0 | N | 100 | 150 | 50 | 300 |
| 79SA109 | 30.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA110 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79SA111 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SA112 | 10.0 | 30 | 5.0 | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 15 | 150 |
| 79SA113 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA114 | 10.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SA115 | 15.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79SA116 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79SA117 | 30.0 | 30 | N | <15 | 70.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA118 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 150 |
| 79SA119 | 20.0 | 30 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79SA120 | 15.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79SA121 | 15.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 70 | 20 | 200 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79SA122 | 46 3 24 | 88 11 30 | 2.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 70 |
| 79SA123 | 46 4 13 | 88 12 55 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA124 | 46 10 12 | 88 14 27 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA125 | 46 11 0 | 88 14 13 | 3.00 | .20 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SA126 | 46 11 33 | 88 12 44 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA127 | 46 10 32 | 88 10 45 | 3.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA128 | 46 11 19 | 88 10 22 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA129 | 46 11 45 | 88 9 40 | 5.00 | .50 | .50 | 1.00 | 1,000 | N | 200 | 1,000.0 | <.7 | 20.0 | 150 |
| 79SA130 | 46 11 21 | 88 8 26 | 3.00 | .30 | .30 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SA131 | 46 11 49 | 88 6 24 | 2.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA132 | 46 12 49 | 88 9 23 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA133 | 46 13 2 | 88 10 38 | 3.00 | .30 | .50 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SA134 | 46 11 22 | 88 11 38 | 3.00 | .20 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD001 | 46 31 20 | 88 41 56 | 2.00 | .20 | .20 | .50 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD002 | 46 32 8 | 88 41 11 | 2.00 | .30 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD003 | 46 32 56 | 88 39 41 | 2.00 | .20 | .15 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD004 | 46 44 37 | 88 33 13 | 1.00 | .30 | .30 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD005 | 46 43 57 | 88 35 36 | 2.00 | .20 | .20 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 5.0 | 30 |
| 79SD006 | 46 43 40 | 88 36 51 | 2.00 | .20 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 5.0 | 50 |
| 79SD007 | 46 43 9 | 88 38 2 | 1.50 | .15 | .30 | .50 | 200 | N | 150 | 1,000.0 | <.7 | <3.0 | 30 |
| 79SD008 | 46 42 19 | 88 38 36 | 3.00 | .15 | .20 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD009 | 46 41 30 | 88 32 53 | 2.00 | .20 | .20 | 1.00 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD010 | 46 40 46 | 88 39 30 | 1.50 | .15 | .20 | .30 | 300 | N | 300 | 1,000.0 | <.7 | <3.0 | 30 |
| 79SD011 | 46 40 52 | 88 40 34 | 2.00 | .20 | .30 | .50 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD012 | 46 39 52 | 88 39 34 | 2.00 | .30 | .30 | .70 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SD013 | 46 38 53 | 88 39 34 | 1.50 | .15 | .20 | .50 | 500 | N | 150 | 1,000.0 | <.7 | <3.0 | 50 |
| 79SD014 | 46 39 9 | 88 41 17 | 3.00 | .15 | .20 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SD015 | 46 39 57 | 88 41 56 | 1.00 | .20 | .20 | .50 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79SD016 | 46 40 2 | 88 43 30 | 2.00 | .20 | .20 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD017 | 46 39 19 | 88 44 2 | 3.00 | .15 | .20 | .50 | 200 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD018 | 46 40 3 | 88 43 52 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD019 | 46 40 49 | 88 43 43 | 3.00 | .15 | .20 | .70 | 500 | N | 200 | 1,000.0 | N | 5.0 | 100 |
| 79SD020 | 46 41 11 | 88 44 44 | 3.00 | .20 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD021 | 46 38 34 | 88 31 15 | 3.00 | .20 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD022 | 46 38 45 | 88 32 31 | 2.00 | .20 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD023 | 46 39 24 | 88 31 45 | 3.00 | .15 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD024 | 46 37 28 | 88 30 27 | 2.00 | .20 | .30 | .50 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 30 |
| 79SD025 | 46 38 36 | 88 34 9 | 3.00 | .20 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD026 | 46 38 2 | 88 35 30 | 2.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD027 | 46 38 56 | 88 35 15 | 5.00 | .15 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79SA122 | 15.0 | 30 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79SA123 | 15.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79SA124 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SA125 | 10.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79SA126 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SA127 | 15.0 | 30 | N | N | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SA128 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA129 | 70.0 | 50 | N | <15 | 70.0 | 30 | 15.0 | N | 100 | 150 | 30 | 200 |
| 79SA130 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79SA131 | 10.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA132 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SA133 | 10.0 | 30 | <3.0 | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 150 |
| 79SA134 | 15.0 | 30 | <3.0 | 20 | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD001 | 10.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | <70 | 70 | 20 | 200 |
| 79SD002 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 20 | 300 |
| 79SD003 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 50 | 300 |
| 79SD004 | 10.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 30 | 20 | 150 |
| 79SD005 | 10.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 50 | 20 | 300 |
| 79SD006 | 10.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 50 | 20 | 300 |
| 79SD007 | 10.0 | 30 | N | N | 5.0 | 20 | 5.0 | N | 100 | 50 | 20 | 100 |
| 79SD008 | 10.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 30 | 200 |
| 79SD009 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 500 |
| 79SD010 | 10.0 | 30 | N | N | <3.0 | 20 | <3.0 | N | <70 | 50 | 15 | 100 |
| 79SD011 | 10.0 | 30 | N | N | 7.0 | 20 | <3.0 | N | <70 | 50 | 20 | 200 |
| 79SD012 | 15.0 | 30 | N | N | 10.0 | 30 | <3.0 | N | 100 | 100 | 20 | 300 |
| 79SD013 | 10.0 | 30 | N | N | <3.0 | 20 | <3.0 | N | 100 | 50 | 20 | 150 |
| 79SD014 | 10.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 70 | 300 |
| 79SD015 | 10.0 | 150 | N | N | 5.0 | 20 | <3.0 | N | <70 | 70 | 20 | 200 |
| 79SD016 | 15.0 | 30 | N | N | 7.0 | 30 | <3.0 | N | <70 | 100 | 20 | 300 |
| 79SD017 | 10.0 | 30 | <3.0 | N | 10.0 | 20 | 5.0 | N | <70 | 100 | 30 | 500 |
| 79SD018 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SD019 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 150 | 30 | 500 |
| 79SD020 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 30 | 200 |
| 79SD021 | 15.0 | 100 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79SD022 | 10.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SD023 | 15.0 | 30 | 5.0 | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 79SD024 | 15.0 | 30 | N | N | 10.0 | 30 | 5.0 | N | 100 | 100 | 20 | 100 |
| 79SD025 | 10.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79SD026 | 10.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 79SD027 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 20 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-------|-------|----|-----|---------|-----|------|-----|
| 79SD028 | 46 39 27 | 88 34 23 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD029 | 46 39 59 | 88 32 58 | 5.00 | .30 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD030 | 46 41 0 | 88 31 59 | 2.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD031 | 46 41 50 | 88 31 32 | 3.00 | .20 | .30 | 1.00 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 100 |
| 79SD032 | 46 42 20 | 88 30 15 | 2.00 | .15 | .30 | .70 | 300 | N | 200 | 1,000.0 | <.7 | <3.0 | 30 |
| 79SD033 | 46 44 2 | 88 34 24 | 1.50 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 100 |
| 79SD034 | 46 43 53 | 88 32 59 | 3.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD035 | 46 43 13 | 88 35 7 | 3.00 | .20 | .30 | 1.00 | 500 | N | 500 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD036 | 46 42 19 | 88 35 20 | 5.00 | .30 | .50 | >1.50 | 1,500 | N | 200 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SD037 | 46 41 23 | 88 35 20 | 2.00 | .20 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 20 |
| 79SD038 | 46 40 49 | 88 36 43 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD039 | 46 40 32 | 88 35 32 | 3.00 | .20 | .30 | 1.00 | 500 | N | 500 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD040 | 46 39 50 | 88 35 53 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD041 | 46 39 7 | 88 36 57 | 1.50 | .20 | .30 | .70 | 200 | N | 300 | 1,000.0 | <.7 | 5.0 | 20 |
| 79SD042 | 46 38 20 | 88 37 33 | 1.00 | .15 | .30 | .50 | 200 | N | 200 | 1,000.0 | <.7 | 5.0 | 20 |
| 79SD043 | 46 37 26 | 88 37 37 | 2.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 20 |
| 79SD044 | 46 37 22 | 88 39 23 | .70 | .15 | .20 | .50 | 200 | N | 200 | 1,000.0 | <.7 | <3.0 | 70 |
| 79SD045 | 46 38 9 | 88 40 6 | 1.50 | .15 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79SD046 | 46 41 42 | 88 42 13 | 1.00 | .15 | .20 | .50 | 200 | N | 70 | 1,000.0 | <.7 | <3.0 | 20 |
| 79SD047 | 46 42 30 | 88 43 9 | 1.50 | .15 | .20 | .70 | 200 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD048 | 46 42 49 | 88 44 6 | 2.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD049 | 46 42 29 | 88 41 58 | 2.00 | .50 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD050 | 46 43 31 | 88 42 3 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD051 | 46 43 47 | 88 40 35 | 2.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD052 | 46 44 42 | 88 40 30 | 3.00 | 1.00 | .30 | >1.50 | 500 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SD053 | 46 44 13 | 88 30 20 | 3.00 | .15 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79SD054 | 46 43 40 | 88 31 6 | 2.00 | .15 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD055 | 46 42 55 | 88 31 34 | 3.00 | .20 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD056 | 46 42 29 | 88 32 51 | 1.00 | .20 | .20 | .50 | 200 | N | 70 | 1,000.0 | <.7 | 5.0 | 20 |
| 79SD057 | 46 41 36 | 88 33 20 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD058 | 46 37 14 | 88 35 38 | 3.00 | .20 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SD059 | 46 37 20 | 88 34 8 | 3.00 | .20 | .20 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 5.0 | 20 |
| 79SD060 | 46 36 15 | 88 34 27 | 2.00 | .15 | .20 | .50 | 500 | N | 150 | 1,500.0 | <.7 | 5.0 | 20 |
| 79SD061 | 46 36 41 | 88 33 43 | 3.00 | .20 | .30 | .70 | 700 | N | 100 | 1,500.0 | <.7 | 5.0 | 20 |
| 79SD062 | 46 35 34 | 88 35 46 | 3.00 | .20 | .20 | 1.00 | 500 | N | 100 | 1,500.0 | N | 5.0 | 50 |
| 79SD063 | 46 36 21 | 88 36 54 | 3.00 | .20 | .30 | .70 | 700 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD064 | 46 36 26 | 88 38 41 | 3.00 | .15 | .30 | 1.00 | 700 | N | 50 | 1,000.0 | N | 5.0 | 20 |
| 79SD065 | 46 35 31 | 88 38 20 | 3.00 | .20 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | N | 5.0 | 50 |
| 79SD066 | 46 34 51 | 88 39 12 | 3.00 | .20 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79SD067 | 46 33 51 | 88 39 3 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 30 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|-----|-----|------|----|------|----|-----|-----|----|-----|
| 79SD028 | 15.0 | 30 | N | N | 15.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79SD029 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 100 |
| 79SD030 | 10.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79SD031 | 10.0 | 50 | 7.0 | N | 10.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SD032 | 7.0 | 30 | N | N | <3.0 | 30 | 7.0 | N | 100 | 50 | 20 | 200 |
| 79SD033 | 15.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79SD034 | 10.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79SD035 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79SD036 | 20.0 | 50 | N | <15 | 15.0 | 30 | 15.0 | N | <70 | 200 | 50 | 500 |
| 79SD037 | 10.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 30 | 15 | 200 |
| 79SD038 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79SD039 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 100 | 20 | 150 |
| 79SD040 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SD041 | 10.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 50 | 15 | 100 |
| 79SD042 | 10.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | 100 | 30 | 20 | 200 |
| 79SD043 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 100 |
| 79SD044 | 10.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | 100 | 30 | 15 | 100 |
| 79SD045 | 10.0 | 30 | N | N | 7.0 | 20 | 5.0 | N | 100 | 70 | 70 | 150 |
| 79SD046 | 7.0 | 30 | N | N | 5.0 | 20 | <3.0 | N | 100 | 30 | 10 | 150 |
| 79SD047 | 10.0 | 30 | N | N | 5.0 | 20 | 7.0 | N | 100 | 30 | 15 | 300 |
| 79SD048 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79SD049 | 20.0 | 30 | 5.0 | N | 15.0 | 20 | 10.0 | N | 100 | 50 | 30 | 300 |
| 79SD050 | 20.0 | 30 | N | <15 | 15.0 | 30 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79SD051 | 20.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 150 | 70 | 30 | 300 |
| 79SD052 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD053 | 10.0 | 50 | N | N | 7.0 | 30 | 7.0 | N | 100 | 70 | 50 | 500 |
| 79SD054 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD055 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SD056 | 7.0 | 30 | N | N | 5.0 | 20 | <3.0 | N | 100 | 30 | 10 | 70 |
| 79SD057 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 70 | 30 | 500 |
| 79SD058 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD059 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 79SD060 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 20 | 200 |
| 79SD061 | 20.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 150 |
| 79SD062 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 100 | 30 | 200 |
| 79SD063 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79SD064 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 150 | 20 | 100 |
| 79SD065 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 100 |
| 79SD066 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79SD067 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Latitude | Longitude | Fe % | %g | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|-----|------|-------|-------|------|-----|---------|-----|------|-----|
| 79SD063 | 46 33 20 | 88 40 40 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD069 | 46 33 59 | 88 41 8 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD070 | 46 33 25 | 88 42 5 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79SD071 | 46 32 34 | 88 43 10 | 3.00 | .20 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD072 | 46 33 23 | 88 44 30 | 3.00 | .30 | .30 | 1.00 | 300 | N | 200 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD073 | 46 34 32 | 88 44 24 | 2.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 79SD074 | 46 35 19 | 88 43 50 | 2.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD075 | 46 36 12 | 88 42 57 | 3.00 | .50 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD076 | 46 31 9 | 88 44 43 | 3.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 30 |
| 79SD077 | 46 30 10 | 88 44 11 | 3.00 | .20 | .30 | .70 | 300 | N | 150 | 1,000.0 | N | 7.0 | 50 |
| 79SD078 | 46 31 29 | 88 43 20 | 3.00 | .30 | .20 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD079 | 46 31 3 | 88 39 53 | 3.00 | .70 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SD080 | 46 30 11 | 88 39 36 | 3.00 | .70 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SD081 | 46 31 19 | 88 38 20 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | N | 5.0 | 70 |
| 79SD082 | 46 32 11 | 88 36 56 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 100 |
| 79SD083 | 46 31 16 | 88 36 7 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD084 | 46 30 22 | 88 31 49 | 5.00 | .70 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79SD085 | 46 33 8 | 88 36 18 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SD086 | 46 33 55 | 88 36 23 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 70 |
| 79SD087 | 46 33 51 | 88 34 27 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD088 | 46 35 4 | 88 34 37 | 3.00 | .70 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SD089 | 46 33 3 | 88 34 22 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79SD090 | 46 31 14 | 88 34 27 | 3.00 | .50 | .30 | .70 | 1,000 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79SD091 | 46 32 15 | 88 31 58 | 3.00 | .50 | .30 | .70 | 700 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD092 | 46 31 28 | 88 30 46 | 3.00 | .30 | .30 | .50 | 700 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79SD093 | 46 30 50 | 88 30 39 | 3.00 | .30 | .20 | 1.00 | 200 | N | 100 | 1,500.0 | <.7 | 5.0 | 100 |
| 79SD094 | 46 32 59 | 88 30 37 | 3.00 | .50 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD095 | 46 33 52 | 88 30 41 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD096 | 46 33 52 | 88 32 34 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79SD097 | 46 34 45 | 88 31 53 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79SD098 | 46 31 27 | 88 30 46 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD099 | 46 31 18 | 88 30 38 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79SD100 | 46 31 33 | 88 30 32 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD101 | 46 31 31 | 88 30 59 | 5.00 | .30 | .20 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79SD102 | 46 31 44 | 88 31 0 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 100 |
| 79SK001 | 46 50 37 | 88 14 51 | 7.00 | .70 | .70 | .70 | 700 | <.30 | 100 | 700.0 | 1.5 | 7.0 | 100 |
| 79SK002 | 46 51 10 | 88 13 57 | 3.00 | .30 | .20 | .70 | 300 | <.30 | 50 | 500.0 | 1.5 | 5.0 | 70 |
| 79SK003 | 46 50 26 | 88 12 53 | 3.00 | .70 | .50 | .70 | 500 | N | 150 | 1,000.0 | 1.5 | 10.0 | 70 |
| 79SK004 | 46 51 56 | 88 12 52 | 3.00 | .70 | .50 | .50 | 500 | N | 70 | 700.0 | 1.5 | 7.0 | 100 |
| 79SK005 | 46 53 28 | 88 12 5 | 7.00 | .70 | .50 | >1.50 | 1,500 | N | 50 | 700.0 | 1.5 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|-------|----|----|-----|------|-----|------|----|-----|-----|----|-----|
| 79SD068 | 15.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 50 | 200 |
| 79SD069 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD070 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SD071 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79SD072 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SD073 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 50 | 200 |
| 79SD074 | 15.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 150 | 70 | 30 | 300 |
| 79SD075 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79SD076 | 15.0 | 30 | N | N | 5.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79SD077 | 20.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 70 | 20 | 200 |
| 79SD078 | 20.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | <70 | 70 | 30 | 200 |
| 79SD079 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD080 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79SD081 | 20.0 | 30 | N | N | 10.0 | 30 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79SD082 | 20.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 100 | 70 | 30 | 300 |
| 79SD083 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD084 | 30.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD085 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD086 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD087 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD088 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79SD089 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SD090 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD091 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD092 | 100.0 | 30 | N | N | 20.0 | 500 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79SD093 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | <70 | 150 | 20 | 300 |
| 79SD094 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79SD095 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SD096 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SD097 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SD098 | 30.0 | 30 | N | <15 | 30.0 | 200 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79SD099 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79SD100 | 20.0 | 30 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79SD101 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79SD102 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79SK001 | 20.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 200 |
| 79SK002 | 15.0 | 30 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SK003 | 20.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SK004 | 20.0 | 30 | N | <15 | 30.0 | 50 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK005 | 20.0 | 30 | N | <15 | 20.0 | 30 | 15.0 | N | <70 | 200 | 30 | 200 |

- FERTILIZER SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | mg/g | Cu % | Pi % | ftn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|-------|------|------|-------|-------|------|-----|---------|-----|------|-----|
| 79SK006 | 46 52 14 | 82 5 35 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 700.0 | 1.5 | 7.0 | 50 |
| 79SK007 | 46 54 11 | 82 8 29 | 2.00 | .70 | .30 | .50 | 500 | 3.00 | 100 | 700.0 | 2.0 | 10.0 | 50 |
| 79SK008 | 46 55 43 | 82 5 53 | 3.00 | .70 | .20 | .70 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 70 |
| 79SK009 | 46 54 35 | 82 4 0 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 100 |
| 79SK010 | 46 54 10 | 82 4 27 | 2.00 | .50 | .30 | .50 | 300 | <.30 | 100 | 700.0 | 1.0 | 5.0 | 150 |
| 79SK011 | 46 54 42 | 82 2 40 | 10.00 | .70 | .50 | >1.50 | 1,500 | N | 70 | 700.0 | 1.0 | 15.0 | 150 |
| 79SK012 | 46 52 43 | 82 5 33 | 2.00 | .50 | .30 | .50 | 500 | N | 70 | 700.0 | 1.5 | 7.0 | 50 |
| 79SK013 | 46 51 50 | 82 4 35 | 3.00 | .50 | .20 | .70 | 300 | N | 70 | 1,000.0 | 1.0 | 7.0 | 70 |
| 79SK014 | 46 51 47 | 82 4 1 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.5 | 7.0 | 70 |
| 79SK015 | 46 52 12 | 82 2 52 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 50 |
| 79SK016 | 46 51 51 | 82 1 1 | 5.00 | .20 | .20 | .70 | 500 | N | 50 | 300.0 | 1.0 | 7.0 | 70 |
| 79SK017 | 46 51 12 | 82 1 6 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 500.0 | <.7 | 7.0 | 70 |
| 79SK018 | 46 51 26 | 82 0 6 | 1.50 | .20 | .50 | .50 | 200 | N | 70 | 500.0 | 1.0 | 5.0 | 15 |
| 79SK019 | 46 52 52 | 82 0 51 | 1.50 | .15 | .15 | .50 | 200 | N | 100 | 500.0 | <.7 | 5.0 | 30 |
| 79SK020 | 46 53 48 | 82 0 46 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 79SK021 | 46 54 5 | 82 2 4 | 7.00 | 1.00 | .20 | 1.00 | 1,000 | N | 100 | 700.0 | 1.5 | 10.0 | 70 |
| 79SK022 | 46 52 1 | 82 1 49 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 700.0 | 1.0 | 7.0 | 100 |
| 79SK023 | 46 51 57 | 82 2 32 | 2.00 | .50 | .30 | .50 | 300 | N | 100 | 700.0 | 1.5 | 7.0 | 50 |
| 79SK024 | 46 52 2 | 82 3 16 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.5 | 7.0 | 50 |
| 79SK025 | 46 51 7 | 82 3 27 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 700.0 | 1.0 | 7.0 | 150 |
| 79SK026 | 46 50 19 | 82 2 55 | 2.00 | .15 | .20 | .50 | 200 | N | 70 | 1,000.0 | 1.0 | 5.0 | 20 |
| 79SK027 | 46 49 25 | 82 2 48 | 3.00 | 1.00 | .20 | .50 | 300 | N | 100 | 700.0 | 1.5 | 7.0 | 50 |
| 79SK028 | 46 49 4 | 82 1 29 | 3.00 | .50 | .30 | .70 | 300 | <.30 | 100 | 700.0 | 1.0 | 7.0 | 30 |
| 79SK029 | 46 48 42 | 82 0 8 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.5 | 7.0 | 15 |
| 79SK030 | 46 48 16 | 82 1 56 | 5.00 | .70 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 70 |
| 79SK031 | 46 47 23 | 82 1 24 | 3.00 | .70 | .30 | .50 | 500 | N | 100 | 700.0 | 1.5 | 10.0 | 30 |
| 79SK032 | 46 51 8 | 82 6 7 | 3.00 | .70 | .20 | .70 | 500 | N | 100 | 700.0 | 1.0 | 10.0 | 100 |
| 79SK033 | 46 50 16 | 82 5 54 | 2.00 | .20 | .20 | .50 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 20 |
| 79SK034 | 46 49 24 | 82 5 55 | 3.00 | .50 | .30 | .50 | 300 | N | 150 | 700.0 | 1.0 | 7.0 | 50 |
| 79SK035 | 46 48 53 | 82 5 22 | 1.50 | .50 | .20 | .50 | 300 | N | 50 | 700.0 | 1.0 | 7.0 | 30 |
| 79SK036 | 46 48 1 | 82 4 9 | 3.00 | .20 | .50 | .50 | 500 | N | 100 | 700.0 | 1.5 | 10.0 | 50 |
| 79SK037 | 46 46 42 | 82 2 7 | 3.00 | .50 | .20 | .30 | 200 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |
| 79SK038 | 46 46 6 | 82 1 1 | 2.00 | .50 | .30 | .50 | 300 | <.30 | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79SK039 | 46 45 14 | 82 0 50 | 3.00 | .50 | .30 | .50 | 300 | N | 70 | 700.0 | 1.0 | 5.0 | 100 |
| 79SK040 | 46 45 56 | 82 2 26 | 7.00 | .50 | .30 | .50 | 1,000 | <.30 | 50 | 500.0 | 1.0 | 20.0 | 150 |
| 79SK041 | 46 50 13 | 82 8 39 | 3.00 | .50 | .20 | .70 | 700 | N | 70 | 700.0 | 1.5 | 7.0 | 30 |
| 79SK042 | 46 50 10 | 82 7 19 | 3.00 | .50 | .30 | .50 | 300 | N | 150 | 700.0 | 1.0 | 7.0 | 50 |
| 79SK043 | 46 49 26 | 82 3 32 | 3.00 | .50 | .30 | .50 | 300 | <.30 | 150 | 700.0 | 1.0 | 10.0 | 100 |
| 79SK044 | 46 48 15 | 82 7 51 | 3.00 | .50 | .20 | .50 | 300 | N | 150 | 700.0 | 1.0 | 7.0 | 50 |
| 79SK045 | 46 48 0 | 82 9 56 | 3.00 | .50 | .20 | .50 | 300 | 1.50 | 100 | 500.0 | 1.0 | 7.0 | 70 |

R-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79SK006 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK007 | 15.0 | 30 | 5.0 | <15 | 30.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK008 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK009 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 150 | 20 | 300 |
| 79SK010 | 10.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79SK011 | 30.0 | 30 | N | 20 | 20.0 | 30 | 10.0 | N | <70 | 300 | 50 | 500 |
| 79SK012 | 15.0 | 30 | <3.0 | <15 | 20.0 | 30 | 5.0 | N | 100 | 70 | 30 | 300 |
| 79SK013 | 15.0 | 30 | <3.0 | <15 | 20.0 | 30 | 5.0 | N | <70 | 100 | 20 | 500 |
| 79SK014 | 15.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | <70 | 150 | 20 | 300 |
| 79SK015 | 15.0 | 30 | N | <15 | 20.0 | 30 | <3.0 | N | <70 | 50 | 15 | 200 |
| 79SK016 | 15.0 | 200 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 150 | 20 | 300 |
| 79SK017 | 15.0 | 30 | 5.0 | <15 | 20.0 | 30 | 5.0 | N | <70 | 100 | 10 | 100 |
| 79SK018 | 7.0 | 30 | N | <15 | 7.0 | 30 | <3.0 | N | <70 | 70 | 15 | 300 |
| 79SK019 | 7.0 | 20 | N | <15 | 5.0 | 30 | <3.0 | N | 100 | 50 | 10 | 300 |
| 79SK020 | 10.0 | 30 | N | <15 | 5.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79SK021 | 20.0 | 100 | N | <15 | 10.0 | 50 | 10.0 | N | <70 | 150 | 50 | 300 |
| 79SK022 | 15.0 | 30 | N | <15 | 7.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK023 | 7.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 50 | 15 | 200 |
| 79SK024 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79SK025 | 20.0 | 30 | <3.0 | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 50 | 300 |
| 79SK026 | 10.0 | 30 | N | <15 | 10.0 | 30 | <3.0 | N | <70 | 50 | 10 | 300 |
| 79SK027 | 15.0 | 30 | N | <15 | 15.0 | 30 | 7.0 | N | <70 | 70 | 20 | 300 |
| 79SK028 | 20.0 | 30 | 5.0 | <15 | 20.0 | 30 | 5.0 | N | <70 | 70 | 15 | 300 |
| 79SK029 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 70 | 15 | 300 |
| 79SK030 | 20.0 | 50 | N | <15 | 30.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79SK031 | 20.0 | 30 | <3.0 | <15 | 30.0 | 30 | 7.0 | N | <70 | 70 | 15 | 300 |
| 79SK032 | 20.0 | 30 | <3.0 | <15 | 30.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79SK033 | 7.0 | 20 | 5.0 | <15 | 15.0 | 30 | <3.0 | N | <70 | 70 | 20 | 300 |
| 79SK034 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 70 | 30 | 500 |
| 79SK035 | 7.0 | 30 | 5.0 | <15 | 15.0 | 30 | <3.0 | N | 100 | 30 | 20 | 200 |
| 79SK036 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79SK038 | 20.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK039 | 15.0 | 30 | 5.0 | <15 | 20.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79SK040 | 15.0 | 20 | 5.0 | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK041 | 30.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79SK042 | 10.0 | 30 | <3.0 | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 30 | 300 |
| 79SK043 | 10.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79SK044 | 20.0 | 30 | <3.0 | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79SK045 | 15.0 | 30 | <3.0 | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 20 | 300 |
| 79SK046 | 15.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 150 | 20 | 300 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|---------|-----|------|-----|
| 79SK047 | 46 47 41 | 88 5 24 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79SK048 | 46 46 46 | 88 5 42 | 5.00 | .70 | .50 | .70 | 300 | <.30 | 70 | 700.0 | 1.0 | 10.0 | 100 |
| 79SK049 | 46 46 23 | 88 4 24 | 3.00 | .50 | .30 | .50 | 300 | N | 100 | 300.0 | 1.0 | 7.0 | 50 |
| 79SK050 | 46 45 17 | 88 4 8 | 3.00 | .20 | .30 | .50 | 300 | <.30 | 70 | 300.0 | 1.0 | 5.0 | 15 |
| 79SK051 | 46 45 26 | 88 5 27 | 5.00 | .30 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 70 |
| 79SK052 | 46 45 30 | 88 6 55 | 3.00 | .30 | .30 | .30 | 300 | N | 70 | 700.0 | 1.5 | 7.0 | 50 |
| 79SK053 | 46 50 16 | 88 10 50 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 1,500.0 | 1.0 | 7.0 | 100 |
| 79SK054 | 46 49 18 | 88 11 19 | 3.00 | .70 | .30 | .70 | 300 | N | 70 | 1,000.0 | 1.5 | 7.0 | 50 |
| 79SK055 | 46 48 26 | 88 11 38 | 7.00 | .70 | 1.00 | .70 | 1,000 | <.30 | 70 | 700.0 | 1.5 | 20.0 | 150 |
| 79SK056 | 46 47 26 | 88 11 31 | 3.00 | .50 | .20 | .50 | 300 | N | 100 | 1,000.0 | 1.0 | 7.0 | 100 |
| 79SK057 | 46 46 49 | 88 10 39 | 5.00 | .50 | .50 | .50 | 700 | 1.00 | 50 | 700.0 | 1.0 | 10.0 | 150 |
| 79SK058 | 46 46 8 | 88 9 32 | 3.00 | .50 | .30 | .50 | 300 | <.30 | 70 | 1,000.0 | 1.0 | 10.0 | 100 |
| 79SK059 | 46 45 7 | 88 8 24 | 3.00 | .30 | .30 | .50 | 300 | <.30 | 70 | 1,000.0 | 1.0 | 7.0 | 100 |
| 79SK060 | 46 46 23 | 88 7 41 | 3.00 | .30 | .30 | .50 | 300 | <.30 | 100 | 1,000.0 | 1.5 | 7.0 | 100 |
| 79SK061 | 46 47 19 | 88 6 10 | 3.00 | .30 | .50 | .30 | 500 | N | 70 | 1,500.0 | 1.0 | 7.0 | 30 |
| 79SK062 | 46 48 12 | 88 8 58 | 3.00 | .30 | .30 | .70 | 500 | 1.00 | 100 | 700.0 | 1.5 | 10.0 | 50 |
| 79SK063 | 46 49 1 | 88 9 44 | 3.00 | .30 | .30 | .30 | 300 | N | 70 | 1,000.0 | 1.5 | 7.0 | 50 |
| 79SK064 | 46 49 17 | 88 14 42 | 3.00 | .70 | .50 | .70 | 500 | N | 100 | 1,000.0 | 1.5 | 10.0 | 200 |
| 79SK065 | 46 48 20 | 88 14 36 | 3.00 | .70 | .50 | .50 | 500 | 7.00 | 150 | 1,000.0 | 1.5 | 10.0 | 50 |
| 79SK066 | 46 48 46 | 88 13 16 | 2.00 | .50 | .30 | .50 | 500 | N | 100 | 700.0 | 1.0 | 7.0 | 50 |
| 79SK067 | 46 47 8 | 88 14 24 | 3.00 | .50 | 1.00 | .70 | 1,500 | N | 150 | 1,000.0 | 1.5 | 7.0 | 100 |
| 79SK068 | 46 46 2 | 88 14 30 | 3.00 | .70 | .70 | .50 | 300 | <.30 | 70 | 700.0 | 1.5 | 7.0 | 70 |
| 79SK069 | 46 45 3 | 88 14 13 | 5.00 | .50 | .30 | .50 | 300 | <.30 | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79SK070 | 46 46 8 | 88 12 1 | 3.00 | .20 | .30 | .50 | 300 | N | 100 | 700.0 | 1.0 | 5.0 | 30 |
| 79SK071 | 46 45 4 | 88 11 19 | 5.00 | .30 | .20 | .50 | 300 | 3.00 | 100 | 700.0 | 1.0 | 7.0 | 100 |
| 79SK072 | 46 53 53 | 88 14 8 | 2.00 | .30 | .30 | .50 | 300 | 3.00 | 100 | 700.0 | 1.0 | 7.0 | 30 |
| 79SK073 | 46 53 44 | 88 14 48 | 2.00 | .30 | .30 | .30 | 300 | <.30 | 50 | 300.0 | <.7 | <3.0 | 70 |
| 79SK074 | 46 55 17 | 88 14 48 | 3.00 | .30 | .20 | .70 | 300 | N | 100 | 700.0 | 1.0 | 7.0 | 50 |
| 79SK075 | 46 55 58 | 88 13 35 | 3.00 | .70 | .30 | .70 | 500 | N | 150 | 700.0 | 1.5 | 7.0 | 30 |
| 79SK076 | 46 56 35 | 88 11 23 | 1.50 | .20 | .30 | .70 | 300 | N | 150 | 700.0 | 1.0 | 5.0 | 15 |
| 79SK077 | 46 57 4 | 88 9 49 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 700.0 | <.7 | <3.0 | 20 |
| 79SK078 | 46 56 14 | 88 9 40 | 3.00 | 1.00 | .30 | .70 | 500 | N | 150 | 700.0 | 1.5 | 7.0 | 15 |
| 79SK079 | 46 55 32 | 88 10 51 | 5.00 | 1.50 | .30 | .70 | 1,000 | N | 100 | 700.0 | 1.5 | 10.0 | 15 |
| 79SK080 | 46 57 21 | 88 9 56 | 3.00 | .50 | .30 | .70 | 300 | N | 100 | 500.0 | 1.0 | 7.0 | 50 |
| 79SK081 | 46 57 46 | 88 7 47 | 3.00 | .70 | .07 | .70 | 300 | N | 100 | 500.0 | 1.5 | 7.0 | 15 |
| 79SL200 | 46 14 41 | 88 15 8 | 5.00 | .30 | .30 | .70 | 300 | N | 70 | 300.0 | 1.0 | 7.0 | 70 |
| 79SL201 | 46 13 41 | 89 17 37 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 300.0 | 1.5 | 10.0 | 70 |
| 79SL202 | 46 13 23 | 89 20 25 | 3.00 | .30 | .50 | .70 | 300 | N | 100 | 300.0 | 1.0 | 7.0 | 70 |
| 79SL203 | 46 11 42 | 89 21 34 | 3.00 | .20 | .50 | .70 | 300 | N | 50 | 300.0 | 1.0 | 7.0 | 70 |
| 79SL204 | 46 12 41 | 89 19 7 | 5.00 | .30 | .50 | .70 | 300 | N | 70 | 500.0 | 1.0 | 7.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|-----|------|-----|------|-----|------|----|-----|-----|----|-----|
| 79SK047 | 20.0 | 30 | 5.0 | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SK048 | 30.0 | 30 | N | <15 | 70.0 | 30 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79SK049 | 20.0 | 20 | N | <15 | 50.0 | 30 | 5.0 | N | N | 100 | 10 | 500 |
| 79SK050 | 10.0 | 20 | N | <15 | 10.0 | 20 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79SK051 | 10.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79SK052 | 15.0 | 20 | <3.0 | <15 | 20.0 | 20 | 5.0 | N | <70 | 70 | 50 | 200 |
| 79SK053 | 15.0 | 30 | 5.0 | <15 | 10.0 | 30 | 5.0 | N | 100 | 100 | 30 | 500 |
| 79SK054 | 15.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79SK055 | 50.0 | 50 | N | <15 | 50.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79SK056 | 10.0 | 30 | N | <15 | 15.0 | 30 | 5.0 | N | <70 | 100 | 20 | 500 |
| 79SK057 | 50.0 | 30 | <3.0 | <15 | 50.0 | 30 | 5.0 | N | <70 | 100 | 15 | 300 |
| 79SK058 | 15.0 | 30 | 7.0 | <15 | 30.0 | 30 | 5.0 | N | 100 | 100 | 30 | 300 |
| 79SK059 | 10.0 | 30 | <3.0 | <15 | 15.0 | 30 | 5.0 | N | 100 | 100 | 10 | 300 |
| 79SK060 | 20.0 | 30 | N | <15 | 50.0 | 30 | 5.0 | N | <70 | 100 | 20 | 300 |
| 79SK061 | 10.0 | 30 | 5.0 | <15 | 30.0 | 30 | 5.0 | N | 100 | 70 | 15 | 300 |
| 79SK062 | 20.0 | 30 | <3.0 | <15 | 50.0 | 20 | 7.0 | N | <70 | 100 | 15 | 300 |
| 79SK063 | 10.0 | 20 | N | <15 | 15.0 | 30 | 5.0 | N | 100 | 70 | 15 | 100 |
| 79SK064 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79SK065 | 15.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 70 | 20 | 500 |
| 79SK066 | 10.0 | 30 | 5.0 | <15 | 20.0 | 30 | 5.0 | N | <70 | 50 | 20 | 300 |
| 79SK067 | 30.0 | 30 | <3.0 | <15 | 20.0 | 200 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SK068 | 10.0 | 30 | N | <15 | 30.0 | 30 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79SK069 | 15.0 | <15 | N | <15 | 30.0 | 20 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79SK070 | 7.0 | 20 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 100 | 15 | 300 |
| 79SK071 | 15.0 | 20 | N | <15 | 20.0 | 30 | 5.0 | N | <70 | 100 | 15 | 300 |
| 79SK200 | 15.0 | 20 | 7.0 | <15 | 15.0 | 30 | 5.0 | N | 100 | 70 | 20 | 500 |
| 79SK201 | 10.0 | N | N | N | 10.0 | 30 | 5.0 | N | <70 | 30 | <7 | 150 |
| 79SK202 | 10.0 | 20 | <3.0 | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 500 |
| 79SK203 | 20.0 | 30 | N | <15 | 20.0 | 20 | 5.0 | N | <70 | 70 | 20 | 300 |
| 79SK204 | 5.0 | 30 | <3.0 | <15 | 10.0 | 30 | 5.0 | N | 100 | 50 | 15 | 300 |
| 79SK205 | 7.0 | 20 | N | N | 10.0 | 20 | <3.0 | N | 100 | 70 | <7 | 300 |
| 79SK206 | 15.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79SK207 | 20.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | <70 | 70 | 30 | 300 |
| 79SK208 | 10.0 | 30 | N | <15 | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79SK209 | 15.0 | 30 | N | <15 | 10.0 | 50 | 5.0 | N | <70 | 50 | 50 | 200 |
| 79SL200 | 15.0 | 70 | N | <15 | 20.0 | 15 | 7.0 | N | <70 | 100 | 30 | 300 |
| 79SL201 | 20.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SL202 | 20.0 | 20 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79SL203 | 15.0 | 30 | N | <15 | 20.0 | 30 | 5.0 | N | 100 | 100 | 20 | 200 |
| 79SL204 | 20.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | <70 | 150 | 20 | 300 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|---------|-----|------|-----|
| 79SL205 | 46 12 56 | 89 16 25 | 5.00 | .50 | .30 | .70 | 300 | N | 200 | 500.0 | 1.0 | 10.0 | 100 |
| 79SL206 | 46 11 38 | 89 15 18 | 5.00 | .50 | .70 | .70 | 1,000 | N | 100 | 500.0 | 1.5 | 10.0 | 70 |
| 79SL207 | 46 11 42 | 89 17 48 | 3.00 | .50 | .50 | .70 | 300 | N | 100 | 500.0 | 1.5 | 10.0 | 150 |
| 79SL208 | 46 11 2 | 89 20 4 | 3.00 | .30 | .30 | .50 | 500 | 1.00 | 70 | 700.0 | 1.0 | 10.0 | 50 |
| 79SL209 | 46 10 36 | 89 16 35 | 5.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | 1.5 | 15.0 | 70 |
| 79TH200 | 46 18 53 | 89 15 57 | 5.00 | .50 | .50 | .70 | 300 | N | 50 | 500.0 | <.7 | 10.0 | 100 |
| 79TH201 | 46 18 54 | 89 19 44 | 1.50 | .30 | .30 | .70 | 200 | N | 70 | 500.0 | <.7 | 7.0 | 70 |
| 79TH202 | 46 19 39 | 89 24 6 | 5.00 | 1.00 | .70 | .70 | 500 | N | 70 | 700.0 | 1.0 | 15.0 | 150 |
| 79TH203 | 46 21 52 | 89 27 13 | 3.00 | .30 | .50 | 1.00 | 300 | N | 150 | 500.0 | <.7 | 7.0 | 100 |
| 79TH204 | 46 23 4 | 89 28 1 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 300.0 | 1.0 | 10.0 | 100 |
| 79TH205 | 46 26 9 | 89 23 20 | 3.00 | .50 | .50 | .70 | 500 | N | 70 | 700.0 | 1.5 | 7.0 | 100 |
| 79WA900 | 46 24 54 | 89 47 3 | 5.00 | .50 | .30 | .70 | 700 | N | 150 | 500.0 | 1.0 | 7.0 | 70 |
| 79WA901 | 46 25 21 | 89 46 53 | 2.00 | .30 | .30 | .70 | 300 | N | 150 | 700.0 | 1.0 | 7.0 | 70 |
| 79WA902 | 46 25 40 | 89 46 38 | 3.00 | .70 | .50 | .70 | 500 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79WA903 | 46 26 26 | 89 46 26 | 5.00 | .70 | .50 | 1.00 | 300 | N | 100 | 500.0 | 1.0 | 10.0 | 70 |
| 79WA904 | 46 26 6 | 89 46 26 | 3.00 | .50 | .50 | 1.00 | 500 | N | 70 | 300.0 | 1.0 | 10.0 | 70 |
| 79WA905 | 46 28 12 | 89 48 5 | 5.00 | 1.00 | .50 | .70 | 500 | N | 70 | 500.0 | 1.0 | 15.0 | 100 |
| 79WA906 | 46 28 23 | 89 48 38 | 5.00 | 1.00 | .50 | .70 | 700 | N | 70 | 500.0 | 1.0 | 10.0 | 100 |
| 79WA907 | 46 25 38 | 89 52 3 | 5.00 | .70 | .50 | 1.00 | 700 | N | 70 | 500.0 | 1.0 | 15.0 | 100 |
| 79WA908 | 46 25 5 | 89 52 3 | 5.00 | .70 | .50 | 1.00 | 500 | N | 70 | 500.0 | 1.0 | 15.0 | 70 |
| 79WA909 | 46 24 45 | 89 51 20 | 7.00 | 2.00 | 1.50 | 1.00 | 1,000 | N | 70 | 500.0 | 1.0 | 50.0 | 150 |
| 79WA910 | 46 24 18 | 89 51 4 | 5.00 | .70 | .30 | .70 | 500 | N | 70 | 300.0 | 1.0 | 10.0 | 70 |
| 79WA911 | 46 23 43 | 89 51 10 | 5.00 | 1.00 | 1.00 | 1.00 | 1,000 | N | 70 | 500.0 | 1.0 | 10.0 | 150 |
| 79WA912 | 46 24 52 | 89 50 51 | 3.00 | .70 | .70 | .70 | 700 | N | 70 | 500.0 | 1.0 | 10.0 | 70 |
| 79WA913 | 46 24 28 | 89 52 14 | 3.00 | 1.00 | 1.00 | .70 | 500 | N | 100 | 300.0 | 1.0 | 10.0 | 150 |
| 79WA914 | 46 24 48 | 89 52 13 | 3.00 | .70 | .50 | .70 | 500 | N | 70 | 300.0 | 1.0 | 15.0 | 70 |
| 79WA915 | 46 24 34 | 89 52 38 | 5.00 | .50 | .30 | 1.00 | 300 | N | 70 | 300.0 | 1.0 | 10.0 | 100 |
| 79WA916 | 46 25 33 | 89 50 9 | 3.00 | .70 | .50 | 1.00 | 500 | N | 100 | 300.0 | 1.0 | 10.0 | 70 |
| 79WI001 | 46 47 54 | 88 59 56 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WI002 | 46 48 59 | 88 59 26 | 3.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WI003 | 46 49 45 | 88 58 2 | 3.00 | .15 | .30 | .70 | 200 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |
| 79WI004 | 46 50 33 | 88 57 6 | 2.00 | .20 | .20 | 1.00 | 200 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79WI005 | 46 51 24 | 88 55 42 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 7.0 | 50 |
| 79WI006 | 46 51 25 | 88 54 15 | 3.00 | .30 | .30 | 1.00 | 1,000 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WI007 | 46 52 15 | 88 54 14 | 3.00 | .30 | .30 | .70 | 700 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79WI008 | 46 59 48 | 88 46 26 | 3.00 | .30 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WI009 | 46 58 53 | 88 46 46 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 5.0 | 150 |
| 79WI010 | 46 58 1 | 88 46 33 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79WI011 | 46 57 0 | 88 46 59 | 3.00 | .30 | .50 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WI012 | 46 56 12 | 88 47 42 | 2.00 | .30 | .30 | .50 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 50 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Cu | Lr | Mo | Ub | Hi | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|-------|----|------|----|-----|-----|----|-----|
| 79SL205 | 30.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79SL206 | 20.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79SL207 | 20.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79SL208 | 20.0 | 20 | N | <15 | 20.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 79SL209 | 20.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79TH200 | 20.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79TH201 | 15.0 | 20 | N | <15 | 10.0 | 30 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79TH202 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79TH203 | 20.0 | 20 | N | <15 | 20.0 | 20 | <3.0 | N | 100 | 150 | 15 | 300 |
| 79TH204 | 30.0 | 20 | N | <15 | 30.0 | 20 | 15.0 | N | 100 | 100 | 20 | 300 |
| 79TH205 | 30.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79WA900 | 30.0 | 20 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WA901 | 30.0 | 20 | N | <15 | 15.0 | 30 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79WA902 | 30.0 | 20 | N | <15 | 20.0 | 20 | 7.0 | N | 100 | 150 | 20 | 500 |
| 79WA903 | 30.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WA904 | 30.0 | 20 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WA905 | 50.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79WA906 | 30.0 | 30 | N | <15 | 50.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WA907 | <3.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79WA908 | 50.0 | 20 | N | <15 | 50.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WA909 | 50.0 | 30 | N | <15 | 100.0 | 20 | 20.0 | N | 150 | 200 | 30 | 300 |
| 79WA910 | 30.0 | 20 | N | <15 | 30.0 | 30 | 10.0 | N | <70 | 150 | 20 | 300 |
| 79WA911 | 50.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WA912 | 30.0 | 30 | N | <15 | 30.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WA913 | 30.0 | 30 | N | <15 | 50.0 | 15 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79WA914 | 30.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79WA915 | 30.0 | 30 | N | <15 | 30.0 | 15 | 7.0 | N | 100 | 100 | 50 | 300 |
| 79WA916 | 30.0 | 30 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79WI001 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WI002 | 50.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WI003 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79WI004 | 15.0 | 30 | N | N | 5.0 | 30 | 7.0 | N | <70 | 150 | 15 | 300 |
| 79WI005 | 15.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 150 |
| 79WI006 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79WI007 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WI008 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 500 |
| 79WI009 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79WI010 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79WI011 | 50.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 150 | 150 | 30 | 500 |
| 79WI012 | 15.0 | 30 | N | N | 15.0 | 20 | 5.0 | N | 100 | 70 | 20 | 100 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79W1013 | 46 55 31 | 88 48 40 | .70 | .15 | .30 | .70 | 200 | N | 150 | 1,000.0 | <.7 | <3.0 | 70 |
| 79W1014 | 46 54 51 | 88 49 31 | 3.00 | .15 | .30 | 1.00 | 500 | N | 70 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1015 | 46 54 12 | 88 50 20 | 3.00 | .20 | .30 | .70 | 500 | N | 70 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1016 | 46 53 33 | 88 51 28 | 3.00 | .20 | .20 | .70 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1017 | 46 51 27 | 88 51 43 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1018 | 46 51 46 | 88 51 43 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1019 | 46 50 40 | 88 51 56 | 3.00 | .20 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1020 | 46 49 50 | 88 51 49 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 7.0 | 50 |
| 79W1021 | 46 59 45 | 88 58 27 | 1.00 | .20 | .70 | .50 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 50 |
| 79W1022 | 46 59 0 | 88 58 36 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79W1023 | 46 58 21 | 88 58 48 | 3.00 | .30 | .50 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1024 | 46 57 14 | 88 58 4 | 2.00 | .20 | .50 | .70 | 500 | N | 70 | 1,000.0 | <.7 | <3.0 | 70 |
| 79W1025 | 46 58 46 | 88 56 40 | 3.00 | .70 | .50 | .70 | 700 | N | 150 | 1,000.0 | 1.5 | 7.0 | 100 |
| 79W1026 | 46 58 7 | 88 56 32 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1027 | 46 59 53 | 88 56 40 | 3.00 | .50 | .50 | 1.00 | 1,000 | N | 100 | 1,000.0 | 1.0 | 7.0 | 100 |
| 79W1028 | 46 59 49 | 88 55 21 | 3.00 | .50 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 10.0 | 150 |
| 79W1029 | 46 58 59 | 88 53 59 | 3.00 | .50 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1030 | 46 58 19 | 88 53 55 | 3.00 | .50 | .50 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1031 | 46 57 42 | 88 53 45 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1032 | 46 59 55 | 88 53 54 | 3.00 | .50 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1033 | 46 59 40 | 88 50 55 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,500.0 | <.7 | 5.0 | 50 |
| 79W1034 | 46 59 15 | 88 49 35 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1035 | 46 58 20 | 88 49 29 | 3.00 | .20 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1036 | 46 59 41 | 88 47 20 | 3.00 | .30 | .50 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1037 | 46 45 50 | 88 45 23 | 1.00 | .20 | .30 | .30 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 15 |
| 79W1038 | 46 45 57 | 88 46 43 | 2.00 | .20 | .30 | .70 | 300 | N | 200 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1039 | 46 45 56 | 88 48 40 | 1.50 | .20 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1040 | 46 46 11 | 88 51 25 | 1.00 | .15 | .30 | .30 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 10 |
| 79W1041 | 46 46 46 | 88 52 44 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1042 | 46 46 1 | 88 52 28 | 2.00 | .20 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1044 | 46 57 23 | 88 48 13 | 3.00 | .30 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1045 | 46 56 24 | 88 48 57 | 3.00 | .20 | .30 | .70 | 500 | N | 70 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1046 | 46 57 5 | 88 49 53 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1047 | 46 57 44 | 88 49 42 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1048 | 46 58 38 | 88 50 58 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1049 | 46 56 24 | 88 50 45 | 2.00 | .30 | .30 | .70 | 700 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1050 | 46 55 55 | 88 45 48 | 5.00 | .30 | .30 | .70 | 1,000 | N | 70 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1051 | 46 55 6 | 88 47 7 | 3.00 | .30 | .30 | .50 | 300 | N | 50 | 1,500.0 | <.7 | 10.0 | 100 |
| 79W1052 | 46 51 41 | 88 53 5 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1053 | 46 49 16 | 88 52 40 | 2.00 | .20 | .30 | .70 | 500 | N | 300 | 1,500.0 | <.7 | 5.0 | 100 |

R-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79W1013 | 7.0 | 30 | N | <15 | <3.0 | 20 | <3.0 | N | 100 | 30 | 15 | 200 |
| 79W1014 | 15.0 | 30 | N | <15 | 7.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1015 | 15.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79W1016 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79W1017 | 20.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79W1018 | 20.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79W1019 | 20.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 100 | 30 | 300 |
| 79W1020 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79W1021 | 15.0 | 50 | N | N | 5.0 | 20 | 7.0 | N | 150 | 70 | 20 | 150 |
| 79W1022 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 150 | 100 | 20 | 200 |
| 79W1023 | 20.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79W1024 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 150 | 100 | 20 | 200 |
| 79W1025 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 150 | 100 | 30 | 200 |
| 79W1026 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79W1027 | 30.0 | 50 | N | N | 50.0 | 20 | 15.0 | N | 150 | 150 | 30 | 300 |
| 79W1028 | 30.0 | 50 | N | <15 | 50.0 | 20 | 15.0 | N | 150 | 150 | 50 | 300 |
| 79W1029 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 200 | 100 | 30 | 300 |
| 79W1030 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 79W1031 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 150 | 150 | 30 | 300 |
| 79W1032 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 150 | 70 | 20 | 300 |
| 79W1033 | 10.0 | 30 | N | N | 10.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79W1034 | 30.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 150 | 30 | 200 |
| 79W1035 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79W1036 | 20.0 | 30 | N | <15 | 15.0 | 20 | 10.0 | N | 150 | 150 | 30 | 300 |
| 79W1037 | 70.0 | 30 | N | N | 7.0 | 30 | 5.0 | N | 100 | 50 | 15 | 100 |
| 79W1038 | 15.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79W1039 | 15.0 | 50 | N | N | 10.0 | 30 | 7.0 | N | 100 | 50 | 20 | 150 |
| 79W1040 | 7.0 | 30 | N | N | <3.0 | 20 | 5.0 | N | 100 | 70 | 20 | 200 |
| 79W1041 | 20.0 | 50 | N | <15 | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 200 |
| 79W1042 | 15.0 | 50 | N | <15 | 15.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79W1044 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79W1045 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 30 | 300 |
| 79W1046 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79W1047 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79W1048 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79W1049 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79W1050 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 200 | 20 | 200 |
| 79W1051 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 150 |
| 79W1052 | 50.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79W1053 | 10.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79W1054 | 46 48 27 | 88 52 39 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1055 | 46 47 39 | 88 52 42 | 3.00 | .20 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1056 | 46 55 28 | 88 51 0 | 2.00 | .20 | .30 | .70 | 200 | N | 70 | 1,000.0 | <.7 | <3.0 | 70 |
| 79W1057 | 46 56 1 | 88 52 13 | 3.00 | .30 | .50 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79W1058 | 46 53 48 | 88 48 50 | 2.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1059 | 46 53 51 | 88 47 39 | 3.00 | .20 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79W1060 | 46 53 42 | 88 53 9 | 1.50 | .30 | .30 | .50 | 500 | N | 50 | 1,500.0 | <.7 | <3.0 | 50 |
| 79W1061 | 46 54 28 | 88 53 40 | 3.00 | .30 | .70 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1062 | 46 50 14 | 88 53 4 | 2.00 | .15 | .20 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1063 | 46 49 47 | 88 54 3 | 3.00 | .20 | .20 | .70 | 300 | N | 50 | 1,000.0 | <.7 | 5.0 | 70 |
| 79W1064 | 46 49 20 | 88 54 29 | 1.00 | .20 | .20 | .50 | 300 | N | 50 | 1,000.0 | <.7 | <3.0 | 30 |
| 79W1065 | 46 49 24 | 88 50 39 | 3.00 | .20 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 70 |
| 79W1066 | 46 48 29 | 88 50 24 | 3.00 | .30 | .30 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1067 | 46 48 28 | 88 49 1 | 2.00 | .30 | .20 | .50 | 200 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79W1068 | 46 48 8 | 88 47 51 | 3.00 | .15 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | <3.0 | 200 |
| 79W1069 | 46 47 38 | 88 46 13 | 3.00 | .20 | .30 | .70 | 300 | N | 70 | 1,500.0 | <.7 | 5.0 | 50 |
| 79W1070 | 46 45 56 | 88 54 13 | 3.00 | .20 | .20 | 1.00 | 700 | N | 50 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1071 | 46 46 46 | 88 54 40 | 2.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | <3.0 | 50 |
| 79W1072 | 46 47 21 | 88 55 27 | 1.50 | .15 | .20 | .30 | 150 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1073 | 46 46 3 | 88 55 40 | 3.00 | .20 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | <3.0 | 20 |
| 79W1074 | 46 45 59 | 88 57 1 | 2.00 | .15 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1075 | 46 46 51 | 88 57 27 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1076 | 46 47 28 | 88 56 32 | 3.00 | .20 | .30 | .70 | 300 | N | 200 | 1,500.0 | <.7 | 7.0 | 50 |
| 79W1077 | 46 48 13 | 88 55 59 | 3.00 | .20 | .30 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1078 | 46 47 53 | 88 57 51 | 1.50 | .15 | .30 | .50 | 200 | N | 150 | 1,000.0 | <.7 | <3.0 | 30 |
| 79W1079 | 46 46 14 | 88 59 24 | 3.00 | .50 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 10.0 | 100 |
| 79W1080 | 46 50 22 | 88 59 19 | 1.50 | .30 | .30 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1081 | 46 50 53 | 88 58 32 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1082 | 46 52 20 | 88 58 5 | 3.00 | .50 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1083 | 46 52 38 | 88 56 18 | 3.00 | .15 | .30 | 1.00 | 300 | N | 70 | 1,000.0 | <.7 | 15.0 | 70 |
| 79W1084 | 46 53 7 | 88 54 41 | 2.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79W1085 | 46 52 2 | 88 50 21 | 2.00 | .20 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 50 |
| 79W1086 | 46 51 51 | 88 48 57 | 3.00 | .20 | .30 | 1.00 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1087 | 46 51 59 | 88 47 13 | 3.00 | .20 | .30 | .50 | 300 | N | 70 | 1,000.0 | <.7 | 5.0 | 50 |
| 79W1088 | 46 50 11 | 88 49 42 | 3.00 | .30 | .30 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1089 | 46 50 24 | 88 48 37 | 3.00 | .20 | .30 | .70 | 300 | N | 150 | 1,500.0 | <.7 | 5.0 | 100 |
| 79W1090 | 46 45 3 | 88 50 45 | 2.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 5.0 | 50 |
| 79W1091 | 46 47 14 | 88 47 43 | 3.00 | .50 | .30 | .50 | 500 | N | 150 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1092 | 46 58 11 | 88 57 53 | 2.00 | .30 | .70 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 5.0 | 70 |
| 79W1093 | 46 56 24 | 88 58 27 | 2.00 | .30 | .50 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 5.0 | 70 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | Lu | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79W1054 | 20.0 | 50 | N | <15 | 10.0 | 30 | 7.0 | N | 100 | 150 | 30 | 300 |
| 79W1055 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79W1056 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1057 | 50.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79W1058 | 15.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 100 | 15 | 200 |
| 79W1059 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1060 | 15.0 | 50 | N | N | 10.0 | 30 | 7.0 | N | 150 | 70 | 20 | 300 |
| 79W1061 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 200 |
| 79W1062 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79W1063 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79W1064 | 10.0 | 30 | N | N | 10.0 | 20 | 5.0 | N | 100 | 70 | 15 | 100 |
| 79W1065 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 150 | 100 | 20 | 150 |
| 79W1066 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 30 | 200 |
| 79W1067 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79W1068 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79W1069 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1070 | 20.0 | 30 | N | <15 | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79W1071 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79W1072 | 7.0 | 50 | N | N | 5.0 | 20 | 5.0 | N | 100 | 50 | 20 | 200 |
| 79W1073 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1074 | 15.0 | 30 | N | N | 10.0 | 30 | 7.0 | N | 100 | 70 | 20 | 200 |
| 79W1075 | 15.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79W1076 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 30 | 300 |
| 79W1077 | 15.0 | 30 | N | N | 10.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79W1078 | 10.0 | 50 | N | N | <3.0 | 20 | 5.0 | N | 100 | 70 | 20 | 300 |
| 79W1079 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 100 | 30 | 300 |
| 79W1080 | 15.0 | 50 | N | N | 10.0 | 30 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79W1081 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79W1082 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79W1083 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79W1084 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1085 | 15.0 | 50 | N | N | 10.0 | 20 | 5.0 | N | 100 | 150 | 20 | 300 |
| 79W1086 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79W1087 | 10.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79W1088 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 100 | 150 | 20 | 200 |
| 79W1089 | 15.0 | 30 | N | N | 7.0 | 20 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79W1090 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79W1091 | 20.0 | 50 | N | N | 15.0 | 20 | 10.0 | N | 150 | 100 | 20 | 300 |
| 79W1092 | 20.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 150 | 100 | 30 | 300 |
| 79W1093 | 15.0 | 30 | N | N | 10.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |

3-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|----|-----|---------|-----|------|-----|
| 79W1094 | 46 55 50 | 88 57 49 | 3.00 | .30 | .50 | 1.00 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1095 | 46 55 52 | 88 56 52 | 3.00 | .30 | .50 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1096 | 46 53 53 | 88 56 52 | 3.00 | .70 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79W1097 | 46 54 32 | 88 57 18 | 5.00 | .20 | .50 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1098 | 46 54 52 | 88 55 53 | 2.00 | .50 | .50 | .70 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1099 | 46 55 6 | 88 54 57 | 5.00 | .20 | .30 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1100 | 46 55 50 | 88 55 42 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 50 |
| 79W1101 | 46 55 14 | 88 58 44 | 2.00 | .30 | .50 | .70 | 1,000 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1102 | 46 54 46 | 88 58 31 | 3.00 | .30 | .30 | 1.00 | 1,500 | N | 100 | 1,000.0 | <.7 | 10.0 | 100 |
| 79W1103 | 46 56 29 | 88 59 46 | 2.00 | .20 | .50 | .70 | 300 | N | 70 | 1,000.0 | <.7 | <3.0 | 70 |
| 79W1104 | 46 55 26 | 88 53 22 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 500.0 | <.7 | 7.0 | 30 |
| 79W1105 | 46 56 19 | 88 53 30 | 3.00 | .30 | .50 | .50 | 300 | N | 30 | 700.0 | <.7 | 7.0 | 30 |
| 79W1106 | 46 56 51 | 88 53 50 | 3.00 | .50 | .50 | .70 | 300 | N | 70 | 700.0 | <.7 | 7.0 | 70 |
| 79W1107 | 46 52 53 | 88 49 29 | 5.00 | .30 | .50 | .50 | 500 | N | 70 | 700.0 | <.7 | 7.0 | 50 |
| 79W1108 | 46 52 56 | 88 47 16 | 3.00 | .30 | .50 | .50 | 300 | N | 30 | 700.0 | <.7 | 5.0 | 70 |
| 79W1109 | 46 55 11 | 88 45 47 | 3.00 | .30 | .50 | .50 | 300 | N | 50 | 700.0 | <.7 | 7.0 | 30 |
| 79W1300 | 46 17 1 | 88 1 6 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1301 | 46 15 43 | 88 0 50 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 50 |
| 79W1302 | 46 15 16 | 88 1 47 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1303 | 46 15 9 | 88 3 10 | 2.00 | .20 | .30 | 1.00 | 300 | N | 150 | 1,500.0 | <.7 | <3.0 | 50 |
| 79W1304 | 46 16 42 | 88 2 5 | 3.00 | .50 | .50 | 1.00 | 700 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1305 | 46 16 33 | 88 3 6 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1306 | 46 16 16 | 88 4 21 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1307 | 46 16 32 | 88 5 42 | 5.00 | .70 | .30 | 1.00 | 1,500 | N | 150 | 1,500.0 | <.7 | 10.0 | 100 |
| 79W1308 | 46 16 31 | 88 7 5 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1309 | 46 15 22 | 88 6 46 | 3.00 | .30 | .30 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1310 | 46 16 29 | 88 8 42 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79W1311 | 46 17 3 | 88 9 39 | 3.00 | .50 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1312 | 46 16 46 | 88 10 49 | 3.00 | .70 | .30 | .50 | 300 | N | 150 | 1,500.0 | 1.0 | 20.0 | 100 |
| 79W1313 | 46 17 55 | 88 9 8 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1314 | 46 18 42 | 88 9 22 | 5.00 | .50 | .30 | .70 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1315 | 46 18 47 | 88 10 39 | 3.00 | .20 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1316 | 46 19 35 | 88 11 27 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79W1317 | 46 18 41 | 88 11 58 | 3.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1318 | 46 18 44 | 88 13 11 | 5.00 | .50 | .50 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1319 | 46 18 1 | 88 13 43 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79W1320 | 46 16 11 | 88 13 55 | 5.00 | .30 | .20 | 1.00 | 300 | N | 100 | 1,000.0 | <.7 | 5.0 | 100 |
| 79W1321 | 46 16 59 | 88 13 41 | 3.00 | .30 | .30 | 1.00 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79W1322 | 46 15 51 | 88 12 36 | 5.00 | .50 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 10.0 | 150 |
| 79W1323 | 46 15 41 | 88 10 56 | 5.00 | .50 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |

B-HORIZON SOIL SAMPLES--continued

| Sample | Cu | La | Mo | Hb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|----|-----|------|----|------|----|-----|-----|----|-----|
| 79WI094 | 20.0 | 30 | N | <15 | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 500 |
| 79WI095 | 20.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 150 | 100 | 30 | 500 |
| 79WI096 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 150 | 100 | 50 | 500 |
| 79WI097 | 15.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 150 | 150 | 30 | 500 |
| 79WI098 | 15.0 | 50 | N | N | 15.0 | 30 | 7.0 | N | 150 | 70 | 20 | 300 |
| 79WI099 | 20.0 | 50 | N | N | 15.0 | 30 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79WI100 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79WI101 | 20.0 | 70 | N | N | 20.0 | 20 | 10.0 | N | 150 | 100 | 20 | 200 |
| 79WI102 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79WI103 | 15.0 | 50 | N | N | 10.0 | 20 | 7.0 | N | 150 | 70 | 20 | 200 |
| 79WI104 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 300 |
| 79WI105 | 15.0 | 20 | N | N | 15.0 | 20 | 7.0 | N | 100 | 70 | 10 | 150 |
| 79WI106 | 20.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 150 | 100 | 20 | 500 |
| 79WI107 | 20.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | <70 | 150 | 20 | 200 |
| 79WI108 | 15.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 15 | 500 |
| 79WI109 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79WL300 | 15.0 | 50 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL301 | 15.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 150 | 30 | 300 |
| 79WL302 | 15.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79WL303 | 10.0 | 30 | N | N | 15.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79WL304 | 30.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL305 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79WL306 | 15.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 150 | 20 | 300 |
| 79WL307 | 30.0 | 50 | N | N | 50.0 | 30 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79WL308 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 150 | 150 | 30 | 500 |
| 79WL309 | 15.0 | 30 | N | <15 | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79WL310 | 15.0 | 30 | N | N | 20.0 | 30 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79WL311 | 20.0 | 30 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL312 | 30.0 | 30 | N | N | 50.0 | 30 | 10.0 | N | 100 | 100 | 20 | 150 |
| 79WL313 | 20.0 | 30 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79WL314 | 30.0 | 50 | N | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL315 | 15.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL316 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL317 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL318 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 150 | 150 | 30 | 500 |
| 79WL319 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL320 | 15.0 | 30 | N | N | 20.0 | 20 | 7.0 | N | 100 | 100 | 50 | 500 |
| 79WL321 | 15.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79WL322 | 30.0 | 50 | N | <15 | 70.0 | 30 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79WL323 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |

H-HORIZON SOIL SAMPLES--continued

| Sample | Latitude | Longitude | Fe % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|-----|----|-----|---------|-----|------|-----|
| 79WL324 | 46 15 55 | 88 14 53 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL325 | 46 19 37 | 88 13 26 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL326 | 46 20 38 | 88 12 52 | 3.00 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL327 | 46 21 45 | 88 12 47 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL328 | 46 21 5 | 88 14 18 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL329 | 46 23 31 | 88 13 45 | 5.00 | .50 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL330 | 46 24 53 | 88 13 6 | 3.00 | .30 | .70 | 300 | N | 150 | 700.0 | <.7 | 7.0 | 100 |
| 79WL331 | 46 24 52 | 88 14 27 | 3.00 | .30 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL332 | 46 25 54 | 88 13 40 | 3.00 | .50 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL333 | 46 26 54 | 88 14 12 | 2.00 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 5.0 | 50 |
| 79WL334 | 46 27 42 | 88 14 10 | 5.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL335 | 46 27 27 | 88 12 40 | 5.00 | .50 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL336 | 46 28 37 | 88 12 14 | 5.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL337 | 46 29 37 | 88 11 32 | 5.00 | 1.00 | 1.00 | 700 | N | 100 | 1,000.0 | <.7 | 15.0 | 100 |
| 79WL338 | 46 22 23 | 88 11 21 | 5.00 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 10.0 | 100 |
| 79WL339 | 46 23 26 | 88 11 15 | 3.00 | .30 | 1.00 | 500 | N | 200 | 1,500.0 | <.7 | 7.0 | 70 |
| 79WL340 | 46 24 24 | 88 10 0 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL341 | 46 25 37 | 88 9 42 | 3.00 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL342 | 46 26 13 | 88 11 0 | 5.00 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL343 | 46 25 37 | 88 12 10 | 3.00 | .20 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL344 | 46 26 52 | 88 12 6 | 3.00 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL345 | 46 27 58 | 88 11 3 | 2.00 | .20 | .70 | 300 | N | 150 | 1,500.0 | <.7 | 5.0 | 70 |
| 79WL346 | 46 26 56 | 88 9 41 | 3.00 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL347 | 46 27 45 | 88 8 39 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL348 | 46 29 57 | 88 8 24 | 3.00 | .30 | 1.00 | 700 | N | 200 | 1,000.0 | <.7 | 10.0 | 100 |
| 79WL349 | 46 29 45 | 88 9 3 | 3.00 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL350 | 46 29 7 | 88 9 36 | 3.00 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL351 | 46 24 13 | 88 8 44 | 3.00 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL352 | 46 23 24 | 88 8 14 | 5.00 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL353 | 46 22 37 | 88 7 47 | 3.00 | .30 | .50 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL354 | 46 22 17 | 88 6 38 | 3.00 | .20 | .70 | 300 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL355 | 46 23 12 | 88 6 23 | 3.00 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL356 | 46 23 57 | 88 6 49 | 3.00 | .30 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 10.0 | 100 |
| 79WL357 | 46 24 45 | 88 7 14 | 3.00 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL358 | 46 25 5 | 88 6 1 | 3.00 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL359 | 46 22 33 | 88 5 14 | 5.00 | .50 | 1.00 | 700 | N | 70 | 1,000.0 | <.7 | 15.0 | 100 |
| 79WL360 | 46 23 18 | 88 4 42 | 3.00 | .30 | .70 | 500 | N | 70 | 1,000.0 | <.7 | 10.0 | 70 |
| 79WL361 | 46 21 42 | 88 5 15 | 3.00 | .30 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 15.0 | 100 |
| 79WL362 | 46 22 32 | 88 2 29 | 3.00 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL363 | 46 21 42 | 88 3 16 | 3.00 | .50 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |

B-HORIZON SOIL SAMPLES---continued

| Sample | Cu | L ₁ | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----------------|-----|-----|------|----|------|----|-----|-----|-----|-----|
| 79WL324 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79WL325 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL326 | 20.0 | 50 | N | | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL327 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79WL328 | 15.0 | 50 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL329 | 30.0 | 50 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL330 | 15.0 | 30 | N | | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL331 | 20.0 | 30 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79WL332 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL333 | 15.0 | 30 | N | <15 | 15.0 | 20 | 7.0 | N | <70 | 100 | 20 | 300 |
| 79WL334 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL335 | 20.0 | 30 | 5.0 | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL336 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL337 | 30.0 | 30 | N | N | 50.0 | 20 | 15.0 | N | 150 | 200 | 30 | 200 |
| 79WL338 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 30 | 500 |
| 79WL339 | 15.0 | 50 | N | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79WL340 | 20.0 | 30 | N | | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL341 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL342 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL343 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 150 | 20 | 500 |
| 79WL344 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL345 | 15.0 | 50 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79WL346 | 20.0 | 70 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL347 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL348 | 30.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 20 | 300 |
| 79WL349 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 200 | 100 | 300 |
| 79WL350 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 200 | 30 | 300 |
| 79WL351 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL352 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL353 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL354 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL355 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 500 |
| 79WL356 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL357 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL358 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL359 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | 30 | 100 | 150 | 20 | 200 |
| 79WL360 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL361 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79WL362 | 20.0 | 30 | N | N | 50.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL363 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |

B-HORIZON SOIL SAMPLES - continued

| Sample | Latitude | Longitude | Fe % | Mg % | Ca % | Ti % | Mn | Ag | B | Ba | Be | Co | Cr |
|---------|----------|-----------|------|------|------|------|-------|------|-----|---------|-----|------|-----|
| 79WL364 | 46 22 54 | 88 1 6 | 3.00 | .20 | .30 | 1.00 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL365 | 46 24 7 | 88 1 31 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 150 |
| 79WL366 | 46 24 3 | 88 0 9 | 3.00 | .30 | .30 | .70 | 300 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL367 | 46 24 50 | 88 0 13 | 3.00 | .30 | .30 | .70 | 500 | N | 200 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL368 | 46 25 22 | 88 1 21 | 5.00 | 1.00 | .50 | 1.00 | 700 | N | 200 | 1,000.0 | <.7 | 20.0 | 150 |
| 79WL369 | 46 26 1 | 88 2 13 | 5.00 | .70 | .70 | 1.00 | 700 | N | 150 | 1,000.0 | <.7 | 15.0 | 100 |
| 79WL370 | 46 26 35 | 88 3 3 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL371 | 46 26 5 | 88 3 43 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL372 | 46 26 58 | 88 4 3 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL373 | 46 26 27 | 88 5 4 | 3.00 | .30 | .30 | 1.00 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL374 | 46 25 51 | 88 5 51 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL375 | 46 27 41 | 88 5 10 | 3.00 | .30 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL376 | 46 28 30 | 88 5 13 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 70 |
| 79WL377 | 46 28 1 | 88 6 43 | 3.00 | .30 | .30 | 1.00 | 500 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL378 | 46 26 43 | 88 6 22 | 3.00 | .30 | .30 | .70 | 700 | N | 200 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL379 | 46 26 7 | 88 7 44 | 3.00 | .30 | .30 | .50 | 300 | N | 150 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL380 | 46 21 58 | 88 1 23 | 3.00 | .30 | .30 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL381 | 46 21 10 | 88 1 31 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 100 |
| 79WL382 | 46 20 20 | 88 1 14 | 2.00 | .30 | .30 | .50 | 500 | N | 100 | 1,000.0 | <.7 | 5.0 | 100 |
| 79WL383 | 46 19 37 | 88 0 9 | 3.00 | .30 | .30 | .50 | 500 | N | 150 | 1,500.0 | <.7 | 10.0 | 70 |
| 79WL384 | 46 18 46 | 88 1 23 | 3.00 | .20 | .30 | .50 | 500 | N | 70 | 1,500.0 | <.7 | 7.0 | 50 |
| 79WL385 | 46 19 9 | 88 2 29 | 3.00 | .30 | .30 | .70 | 500 | N | 70 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL386 | 46 19 13 | 88 3 35 | 5.00 | .30 | .30 | .70 | 1,000 | N | 100 | 1,500.0 | <.7 | 10.0 | 100 |
| 79WL387 | 46 18 24 | 88 3 58 | 2.00 | .30 | .20 | .70 | 500 | N | 70 | 1,500.0 | <.7 | 7.0 | 70 |
| 79WL388 | 46 19 40 | 88 4 56 | 3.00 | .30 | .30 | .50 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL389 | 46 17 56 | 88 0 53 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,500.0 | <.7 | 7.0 | 70 |
| 79WL390 | 46 17 25 | 88 4 29 | 3.00 | .50 | .50 | .70 | 500 | N | 100 | 1,500.0 | <.7 | 7.0 | 100 |
| 79WL391 | 46 13 1 | 88 5 18 | 3.00 | .30 | .30 | .30 | 500 | N | 100 | 1,000.0 | <.7 | 7.0 | 70 |
| 79WL392 | 46 19 55 | 88 3 57 | 3.00 | .50 | .30 | .70 | 500 | N | 150 | 1,000.0 | <.7 | 10.0 | 100 |
| 79WL393 | 46 21 5 | 88 9 23 | 3.00 | .20 | .20 | .70 | 300 | N | 70 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL394 | 46 21 17 | 88 8 4 | 3.00 | .30 | .30 | .50 | 1,500 | N | 150 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL395 | 46 22 5 | 88 10 2 | 3.00 | .30 | .30 | .70 | 300 | N | 100 | 1,000.0 | <.7 | 7.0 | 100 |
| 79WL400 | 46 29 43 | 88 2 25 | 3.00 | .70 | .30 | .70 | 500 | N | 100 | 500.0 | 1.5 | 7.0 | 100 |
| 79WL401 | 46 29 18 | 88 3 11 | 5.00 | .70 | .30 | .70 | 500 | <.30 | 100 | 500.0 | 1.5 | 10.0 | 100 |
| 79WL402 | 46 23 57 | 88 4 4 | 5.00 | .70 | .50 | .70 | 500 | <.30 | 100 | 500.0 | 1.0 | 10.0 | 100 |
| 79WL403 | 46 27 44 | 88 0 17 | 5.00 | .70 | .30 | .70 | 300 | N | 100 | 700.0 | 1.0 | 10.0 | 100 |

B-HORIZON SOIL SAMPLES- continued

| Sample | Cu | La | Mo | Nb | Ni | Pb | Sc | Sn | Sr | V | Y | Zr |
|---------|------|----|------|-----|------|----|------|----|-----|-----|----|-----|
| 79WL364 | 20.0 | 50 | 7.0 | <15 | 20.0 | 30 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL365 | 20.0 | 50 | N | <15 | 30.0 | 30 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79WL366 | 15.0 | 50 | N | N | 20.0 | 20 | 7.0 | N | 100 | 70 | 20 | 300 |
| 79WL367 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79WL368 | 70.0 | 30 | 5.0 | N | 70.0 | 20 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79WL369 | 70.0 | 50 | 7.0 | N | 30.0 | 30 | 10.0 | N | 100 | 150 | 30 | 200 |
| 79WL370 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79WL371 | 20.0 | 50 | N | <15 | 30.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79WL372 | 20.0 | 50 | <3.0 | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL373 | 20.0 | 30 | N | <15 | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL374 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79WL375 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL376 | 20.0 | 30 | N | N | 15.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL377 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 150 |
| 79WL378 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 20 | 200 |
| 79WL379 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL380 | 20.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 150 | 30 | 500 |
| 79WL381 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL382 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79WL383 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 200 |
| 79WL384 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79WL385 | 15.0 | 50 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 30 | 300 |
| 79WL386 | 30.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 150 | 20 | 200 |
| 79WL387 | 15.0 | 30 | N | N | 15.0 | 20 | 7.0 | N | 100 | 100 | 20 | 200 |
| 79WL388 | 15.0 | 30 | N | N | 20.0 | 30 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL389 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL390 | 20.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL391 | 20.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | 100 | 100 | 20 | 100 |
| 79WL392 | 20.0 | 50 | N | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 20 | 300 |
| 79WL393 | 15.0 | 30 | N | N | 20.0 | 20 | 10.0 | N | <70 | 100 | 20 | 300 |
| 79WL394 | 20.0 | 30 | 5.0 | N | 30.0 | 20 | 10.0 | N | 100 | 150 | 30 | 300 |
| 79WL395 | 15.0 | 30 | N | N | 30.0 | 20 | 10.0 | N | 100 | 100 | 20 | 300 |
| 79WL400 | 15.0 | 20 | N | <15 | 50.0 | 20 | 7.0 | N | 100 | 100 | 20 | 300 |
| 79WL401 | 15.0 | 20 | N | <15 | 30.0 | 20 | 7.0 | N | 100 | 100 | 20 | 500 |
| 79WL402 | 20.0 | 20 | N | <15 | 50.0 | 20 | 10.0 | N | 100 | 100 | 20 | 500 |
| 79WL403 | 15.0 | 20 | N | <15 | 50.0 | 30 | 7.0 | N | 100 | 100 | 30 | 300 |