

**GEOLOGICAL AND GEOCHEMICAL REPORT**

on the

**FLUME GROUP OF MINERAL CLAIMS**

Flume 1-91 (YC07383 - YC07473)  
Flume 92-153 (YC12438 - YC12499)

**Dawson Mining Division  
Yukon Territory**

**NTS 115N08, 09 & 115O05,12  
63° 29' North Latitude  
140° 03' West Longitude**

**094 090**

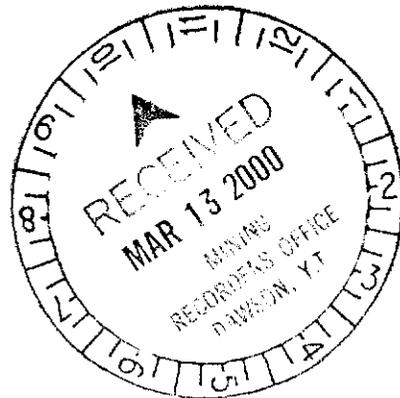
**Registered Owner  
Phelps Dodge Corporation of Canada, Limited.  
Work Performed between July 1, 1999 and August 10, 1999**

by

**Stephen W. Wetherup, BSc.  
Robert C. Cameron, BSc., P.Geo.**

**Phelps Dodge Corporation of Canada, Limited.  
#1409 - 409 Granville Street  
Vancouver, BC V6C 1T8**

02/28/00



- Reviewed by \_\_\_\_\_  
 Date \_\_\_\_\_

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 45,900.

*M. B. B.*  
Regional Manager, Exploration and  
Geological Services for Commissioner,  
of Yukon Territory.

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## SUMMARY

The Flume property, situated 75 kilometres south of Dawson City, was staked after a compilation of RGS geochemical data and local geology, and was followed by a reconnaissance geochemical sampling program, in 1998, and the spring of 1999. During the summer of 1999, two soil grids were surveyed and flagged with a total of 685 soil samples being taken at 100 metre intervals. Along with the soil survey the entire area was prospected and mapped at 1:25,000 scale. The results from this work program are the main focus of this report.

Geochemical analysis of soils resulted in the delineation of an 8 to 10 km long coincident arsenic and gold soil anomaly within the property. Sixty-two of the samples analysed yielded > 400 ppm arsenic and forty-nine samples > 40 ppb gold with highs of 2490 ppm arsenic and 1317 ppb gold. Of the fifty-eight rock samples taken and analysed during the summer, 10 samples returned values greater than 100 ppb for gold, 16 > 400 ppm for arsenic, and 17 > 500 ppb for silver with gold, arsenic and silver highs of 1054 ppb, 70644 ppm, and 35764 ppb, respectively. Recommendations for the 2000 season include expanding the soil grids, more prospecting, and trenching/test pits in areas with anomalous gold and arsenic soil results.

## INTRODUCTION

This report describes a geochemical sampling program conducted on the Flume property, from July 1<sup>st</sup>, 1999 to August 10<sup>th</sup>, 1999. Phelps Dodge Corporation of Canada, Limited staked the Flume property, in 1998, and conducted a work program in the spring of 1999, consisting of four contour soil lines, to follow-up RGS regional geochemical data. During the summer of 1999, a three-man crew staged a work program consisting of approximately sixty line kilometres of grid soil sampling at 100 m intervals, prospecting and geological mapping at 1:25,000 scale.

## LOCATION, ACCESS and PHYSIOGRAPHY

The Flume property is situated at the headwaters of Ten-Mile Creek, a tributary to Sixty-Mile River, 75 kilometres south of Dawson City (Figure 1). The claims lie within the Klondike Plateau, an area characterized by deep narrow valleys and smooth ridges with uniform elevations. Elevation ranges from 400 metres in valley floors to 1200 metres at ridge tops. Vegetation varies from mature forests of conifers and deciduous trees in the valleys to sub-alpine vegetation on ridge tops. Access to the property is via helicopter from Dawson City. An abandoned airstrip is situated at the mouth of Ten-Mile Creek and a road in unknown condition terminates on the east side of the Yukon river some twelve kilometres northeast of the claims. A dormant placer operation with assorted heavy equipment is located at the junction of Ten Mile Creek and Sixty-Mile River.

## CLAIM INFORMATION

The Flume property, at the time of this work program, consisted of 153 contiguous quartz claims in the Dawson Mining District and is located on NTS maps 115N08, 09 and 115O05, 12. Pertinent claim data is tabulated below in Table 1 and the claims are shown in Figure 2. Expiry dates shown in Table 1 are contingent upon the work described herein being accepted for assessment.

**TABLE 1 CLAIM DATA**

| Name     | Record Number | Expiry Date  | Name     | Record Number | Expiry Date  |
|----------|---------------|--------------|----------|---------------|--------------|
| FLUME 1  | YC-7383       | July 2, 2003 | FLUME 77 | YC-7459       | July 2, 2003 |
| FLUME 2  | YC-7384       | July 2, 2003 | FLUME 78 | YC-7460       | July 2, 2003 |
| FLUME 3  | YC-7385       | July 2, 2003 | FLUME 79 | YC-7461       | July 2, 2003 |
| FLUME 4  | YC-7386       | July 2, 2003 | FLUME 80 | YC-7462       | July 2, 2003 |
| FLUME 5  | YC-7387       | July 2, 2003 | FLUME 81 | YC-7463       | July 2, 2003 |
| FLUME 6  | YC-7388       | July 2, 2003 | FLUME 82 | YC-7464       | July 2, 2003 |
| FLUME 7  | YC-7389       | July 2, 2003 | FLUME 83 | YC-7465       | July 2, 2003 |
| FLUME 8  | YC-7390       | July 2, 2003 | FLUME 84 | YC-7466       | July 2, 2003 |
| FLUME 9  | YC-7391       | July 2, 2003 | FLUME 85 | YC-7467       | July 2, 2003 |
| FLUME 10 | YC-7392       | July 2, 2003 | FLUME 86 | YC-7468       | July 2, 2003 |

|          |         |              |           |          |                    |
|----------|---------|--------------|-----------|----------|--------------------|
| FLUME 11 | YC-7393 | July 2, 2003 | FLUME 87  | YC-7469  | July 2, 2003       |
| FLUME 12 | YC-7394 | July 2, 2003 | FLUME 88  | YC-7470  | July 2, 2003       |
| FLUME 13 | YC-7395 | July 2, 2003 | FLUME 89  | YC-7471  | July 2, 2003       |
| FLUME 14 | YC-7396 | July 2, 2003 | FLUME 90  | YC-7472  | July 2, 2003       |
| FLUME 15 | YC-7397 | July 2, 2004 | FLUME 91  | YC-7473  | July 2, 2003       |
| FLUME 16 | YC-7398 | July 2, 2004 | FLUME 92  | YC-12438 | September 11, 2003 |
| FLUME 17 | YC-7399 | July 2, 2004 | FLUME 93  | YC-12439 | September 11, 2003 |
| FLUME 18 | YC-7400 | July 2, 2004 | FLUME 94  | YC-12440 | September 11, 2003 |
| FLUME 19 | YC-7401 | July 2, 2004 | FLUME 95  | YC-12441 | September 11, 2003 |
| FLUME 20 | YC-7402 | July 2, 2004 | FLUME 96  | YC-12442 | September 11, 2003 |
| FLUME 21 | YC-7403 | July 2, 2004 | FLUME 97  | YC-12443 | September 11, 2003 |
| FLUME 22 | YC-7404 | July 2, 2004 | FLUME 98  | YC-12444 | September 11, 2003 |
| FLUME 23 | YC-7405 | July 2, 2003 | FLUME 99  | YC-12445 | September 11, 2003 |
| FLUME 24 | YC-7406 | July 2, 2003 | FLUME 100 | YC-12446 | September 11, 2003 |
| FLUME 25 | YC-7407 | July 2, 2003 | FLUME 101 | YC-12447 | September 11, 2003 |
| FLUME 26 | YC-7408 | July 2, 2003 | FLUME 102 | YC-12448 | September 11, 2003 |
| FLUME 27 | YC-7409 | July 2, 2003 | FLUME 103 | YC-12449 | September 11, 2003 |
| FLUME 28 | YC-7410 | July 2, 2004 | FLUME 104 | YC-12450 | September 11, 2003 |
| FLUME 29 | YC-7411 | July 2, 2003 | FLUME 105 | YC-12451 | September 11, 2003 |
| FLUME 30 | YC-7412 | July 2, 2003 | FLUME 106 | YC-12452 | September 11, 2003 |
| FLUME 31 | YC-7413 | July 2, 2003 | FLUME 107 | YC-12453 | September 11, 2003 |
| FLUME 32 | YC-7414 | July 2, 2003 | FLUME 108 | YC-12454 | September 11, 2003 |
| FLUME 33 | YC-7415 | July 2, 2004 | FLUME 109 | YC-12455 | September 11, 2003 |
| FLUME 34 | YC-7416 | July 2, 2004 | FLUME 110 | YC-12456 | September 11, 2003 |
| FLUME 35 | YC-7417 | July 2, 2004 | FLUME 111 | YC-12457 | September 11, 2003 |
| FLUME 36 | YC-7418 | July 2, 2003 | FLUME 112 | YC-12458 | September 11, 2003 |
| FLUME 37 | YC-7419 | July 2, 2003 | FLUME 113 | YC-12459 | September 11, 2003 |
| FLUME 38 | YC-7420 | July 2, 2003 | FLUME 114 | YC-12460 | September 11, 2003 |
| FLUME 39 | YC-7421 | July 2, 2003 | FLUME 115 | YC-12461 | September 11, 2003 |
| FLUME 40 | YC-7422 | July 2, 2003 | FLUME 116 | YC-12462 | September 11, 2003 |
| FLUME 41 | YC-7423 | July 2, 2003 | FLUME 117 | YC-12463 | September 11, 2003 |
| FLUME 42 | YC-7424 | July 2, 2003 | FLUME 118 | YC-12464 | September 11, 2003 |
| FLUME 43 | YC-7425 | July 2, 2003 | FLUME 119 | YC-12465 | September 11, 2003 |
| FLUME 44 | YC-7426 | July 2, 2003 | FLUME 120 | YC-12466 | September 11, 2003 |
| FLUME 45 | YC-7427 | July 2, 2003 | FLUME 121 | YC-12467 | September 11, 2003 |
| FLUME 46 | YC-7428 | July 2, 2003 | FLUME 122 | YC-12468 | September 11, 2003 |
| FLUME 47 | YC-7429 | July 2, 2003 | FLUME 123 | YC-12469 | September 11, 2003 |
| FLUME 48 | YC-7430 | July 2, 2003 | FLUME 124 | YC-12470 | September 11, 2003 |
| FLUME 49 | YC-7431 | July 2, 2003 | FLUME 125 | YC-12471 | September 11, 2003 |
| FLUME 50 | YC-7432 | July 2, 2003 | FLUME 126 | YC-12472 | September 11, 2003 |
| FLUME 51 | YC-7433 | July 2, 2003 | FLUME 127 | YC-12473 | September 11, 2003 |
| FLUME 52 | YC-7434 | July 2, 2003 | FLUME 128 | YC-12474 | September 11, 2003 |
| FLUME 53 | YC-7435 | July 2, 2003 | FLUME 129 | YC-12475 | September 11, 2003 |
| FLUME 54 | YC-7436 | July 2, 2003 | FLUME 130 | YC-12476 | September 11, 2003 |
| FLUME 55 | YC-7437 | July 2, 2003 | FLUME 131 | YC-12477 | September 11, 2003 |
| FLUME 56 | YC-7438 | July 2, 2004 | FLUME 132 | YC-12478 | September 11, 2003 |
| FLUME 57 | YC-7439 | July 2, 2003 | FLUME 133 | YC-12479 | September 11, 2003 |
| FLUME 58 | YC-7440 | July 2, 2004 | FLUME 134 | YC-12480 | September 11, 2003 |
| FLUME 59 | YC-7441 | July 2, 2003 | FLUME 135 | YC-12481 | September 11, 2003 |
| FLUME 60 | YC-7442 | July 2, 2003 | FLUME 136 | YC-12482 | September 11, 2003 |
| FLUME 61 | YC-7443 | July 2, 2003 | FLUME 137 | YC-12483 | September 11, 2003 |
| FLUME 62 | YC-7444 | July 2, 2003 | FLUME 138 | YC-12484 | September 11, 2003 |
| FLUME 63 | YC-7445 | July 2, 2003 | FLUME 139 | YC-12485 | September 11, 2003 |
| FLUME 64 | YC-7446 | July 2, 2003 | FLUME 140 | YC-12486 | September 11, 2003 |
| FLUME 65 | YC-7447 | July 2, 2003 | FLUME 141 | YC-12487 | September 11, 2003 |
| FLUME 66 | YC-7448 | July 2, 2003 | FLUME 142 | YC-12488 | September 11, 2003 |
| FLUME 67 | YC-7449 | July 2, 2003 | FLUME 143 | YC-12489 | September 11, 2003 |
| FLUME 68 | YC-7450 | July 2, 2003 | FLUME 144 | YC-12490 | September 11, 2003 |
| FLUME 69 | YC-7451 | July 2, 2003 | FLUME 145 | YC-12491 | September 11, 2003 |
| FLUME 70 | YC-7452 | July 2, 2003 | FLUME 146 | YC-12492 | September 11, 2003 |
| FLUME 71 | YC-7453 | July 2, 2003 | FLUME 147 | YC-12493 | September 11, 2003 |
| FLUME 72 | YC-7454 | July 2, 2003 | FLUME 148 | YC-12494 | September 11, 2003 |
| FLUME 73 | YC-7455 | July 2, 2003 | FLUME 149 | YC-12495 | September 11, 2003 |
| FLUME 74 | YC-7456 | July 2, 2003 | FLUME 150 | YC-12496 | September 11, 2003 |
| FLUME 75 | YC-7457 | July 2, 2003 | FLUME 151 | YC-12497 | September 11, 2003 |

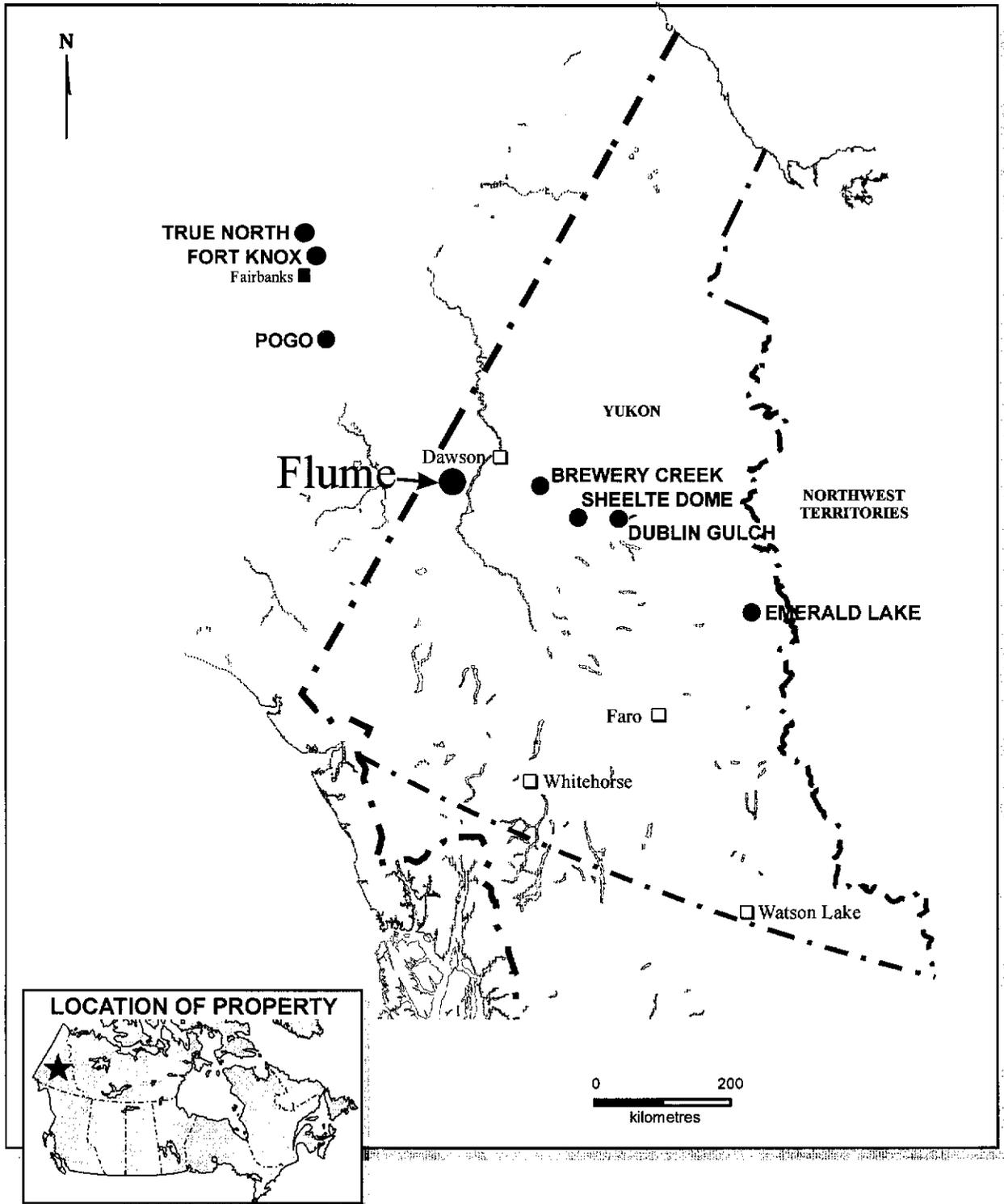
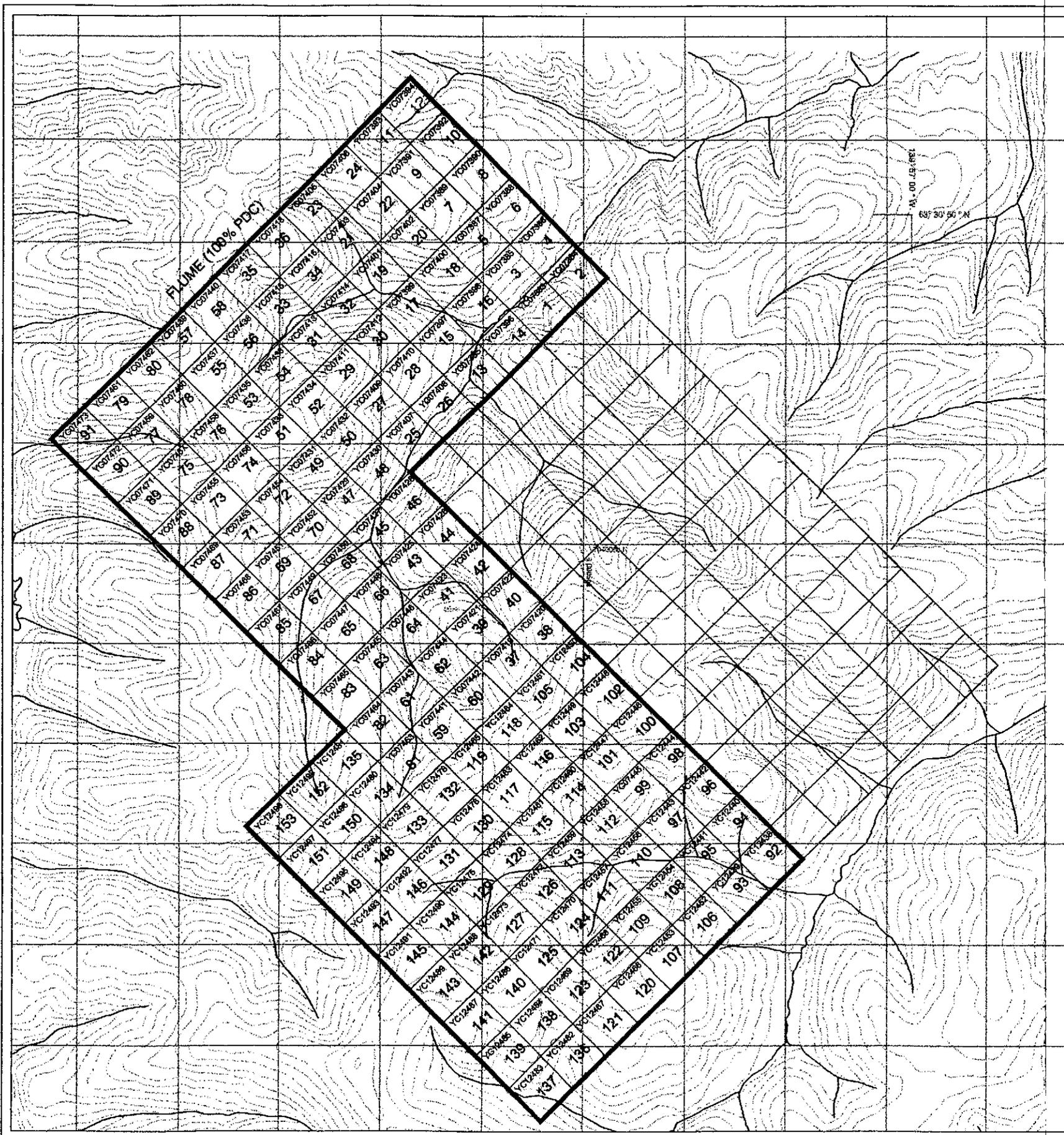
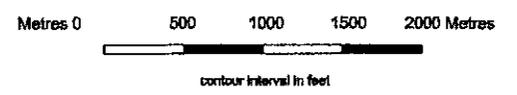


Figure 1: Flume Property Location Map



687 30' 56" N



PHELPS DODGE CORPORATION OF CANADA, LIMITED

PROJECT NO. 242

YUKON TERRITORY

# FLUME PROJECT CLAIM PLAN

DATE: Feb. 2000  
DRAWN: 980112.dwg

SCALE:  
FIGURE: 2

|          |         |              |           |          |                    |
|----------|---------|--------------|-----------|----------|--------------------|
| FLUME 76 | YC-7458 | July 2, 2003 | FLUME 152 | YC-12498 | September 11, 2003 |
|          |         |              | FLUME 153 | YC-12499 | September 11, 2003 |

## HISTORY

Historic placer mining is common throughout the region and recent placer mining is visible in Ten-Mile Creek. No recorded work is known in the claim area and local Minfile occurrences refer to placer mining or previously staked claims with no additional information. Ninety-one units were staked by Phelps Dodge Corporation of Canada, Limited in June, 1998 to cover the headwaters of Ten-Mile Creek following an evaluation of Regional Stream Sediment data. Phelps Dodge staked sixty-two additional units in September 1998 to cover the headwaters of a tributary to Sestak Creek immediately southeast of Ten-Mile Creek. This contiguous block of 153 claims covers some 3200 hectares and is surrounded to the north and east by other recently staked claims. Phelps Dodge conducted reconnaissance silt and soil sampling program at the head of Ten-Mile Creek and Sestak Creek, in 1998 and the spring of 1999 as a follow-up of the original RGS sampling.

## REGIONAL GEOLOGY

Tempelman-Kluit (1974) mapped and described the regional geology in the latest reconnaissance GSC mapping project in the area. Since then, Mortensen (1996), Debicki (1984) and Wheeler *et al.* (1991) have added to and compiled the regional geology of the area. The area surrounding the claims is underlain by four main ages of rocks: (1) Proterozoic to Lower Paleozoic, Nisling Terrane (Wheeler, *et al.*, 1991) or Nasina Assemblage of the Yukon-Tanana Terrane (Mortensen, 1996), a metamorphosed sedimentary continental margin sequence, (2) Devonian to Mississippian Pelly Gneiss Suite consisting of granitic to mafic orthogneiss, (3) Jurassic to Cretaceous unfoliated quartz monzonite and granodiorite plugs, and (4) Cretaceous Carmacks Group bi-modal volcanic rocks. Contact relationships between these rocks are either unknown or inferred due to the lack of outcrop throughout the region. Also, no large scale structures are described in this area probably for the same reason.

## PROPERTY GEOLOGY

Mapping of the property is hampered by thick brush in many areas and a paucity of outcrop. For this reason, some of the outcrops shown on the geology map (Figure 3) are inferred from rock fragments in the soil and surface fragments, depicted with x's, were also noted and placed on the map where there are no bedrock exposures to constrain geological units.

Metamorphic rocks underlie most of the Flume Claims and are either Pelly Gneiss Suite, feldspar-augen, biotite bearing, granite orthogneiss, or Nisling metasedimentary schist, marble, and quartzite (Figure 3). At the north end of the property, a fresh looking quartz porphyry granite stock cuts both orthogneiss and metasediments. Locally, quartz-carbonate alteration occurs within the metamorphic rocks a few tens of metres from the margin of the granite. Isolated Carmacks Group quartz-eye porphyry dacite/rhyolite flows and domes occur sporadically throughout the property resting unconformably above the metamorphic rocks.

Foliation ( $S_1$ ) and layer parallel quartz veining is ubiquitous throughout the metasedimentary rocks. Rarely are quartz veins observed in the orthogneiss or granite except locally near the contact with the granite and the metamorphic rocks where as mentioned above there can be quartz-carbonate alteration. Quartz veins are between 1 mm and 50 cm thick and are discontinuous within the metasediments, rarely extending for more than a metre. A few good exposures have shown these veins to be thickened within fold noses ( $S_2$ ) attenuated into boudin/lens shaped bodies.

Arsenopyrite has been observed, both in the metasediments and in quartz veins. Rare galena has also been noted to occur within quartz veins.

### **1999 WORK PROGRAM**

A crew of three, staged out of camps located at the junction of the Ten Mile and Flume Creeks and at the head of Sestak Creek, completed the 1999 work program between July 1 and August 10, 1999. Work consisted of 685 grid soils samples taken at 100 m intervals, 58 rock samples taken during property wide reconnaissance prospecting, and 1:25,000 scale geological mapping. All samples were tagged with a unique number and shipped to Acme Analytical Labs in Vancouver where the samples were analyzed for 35 elements by ICP-MS methods. Summary field notes and select soil geochemical results are given in Appendix I and rocks in Appendix II, with the complete analytical results given in Appendix III. The soil and rock sample locations are shown in figures 4 and 5, respectively.

### **RESULTS**

Analysis of soil samples returned gold concentrations from below detection to 1317 ppb with forty-nine samples containing gold concentrations greater than 40 ppb. Arsenic

concentration ranges from 1.4 to 2490 ppm with sixty-two samples containing greater than 400 ppm arsenic. Coincident arsenic and gold soil anomalies (Figures 6 and 7) stretch the entire length of both soil grids for a combined total of 6-7 kilometres, and are open to the north and south. In all likelihood, the soil anomalies between the grids are continuous, which would mean the soil anomaly is at least 10 km long, north to south. Of the 58 rocks samples taken, only 5 assayed above 200 ppb gold and 16 above 400 ppm arsenic with the highest values for gold and arsenic being 1054 ppb and 70644 ppm, respectively.

However, from the generalized packages of rocks mapped out this year, elevated gold and arsenic in soil values appear to occur mostly within the metasedimentary units and are sporadic within the granite. Furthermore, the gold and arsenic soil anomalies end abruptly at the contact with the orthogneiss on the southern soil grid.

### **CONCLUSIONS and RECOMMENDATIONS**

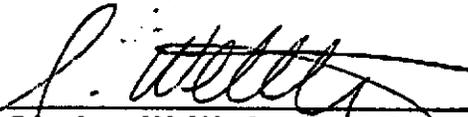
Soil sampling on the Flume property in 1999 delineated an extensive area of high arsenic and gold concentrations in soil. Follow-up work should include grid soil sampling, to join the north and south grids, and close the soil anomalies to the south, as well as continued prospecting, and trenching within each of the soil anomalies.

**DISBURSEMENTS**

Expenditures for the 1999 work program on the Flume property totalled \$ 51,430.38  
(Tabulated below) of which \$49,200 will be applied to assessment:

|                         |                                      |                            |
|-------------------------|--------------------------------------|----------------------------|
| Assays                  | 685 soil samples @ \$16.04/sample    | \$ 10988.72                |
|                         | 58 rock samples @ \$17.89/sample     | \$ 1037.84                 |
|                         | 5 silt samples @ \$15.88/sample      | \$ 79.40                   |
| Helicopter              | 11.2 hours @ \$829.81/hour           | \$ 9293.90                 |
| Labour                  | Jeff Boyce 28 days @ \$160/day       | \$ 4480.00                 |
|                         | Larry Poznikoff 33 days @ \$250/day  | \$ 8250.00                 |
|                         | Stephen Wetherup 33 days @ \$250/day | \$ 8250.00                 |
| Accommodation and Board |                                      | \$ 4687.97                 |
| Communications          |                                      | \$ 1152.46                 |
| Truck Rental            | Rentway                              | \$ 2458.86                 |
| Supplies and Services   |                                      | \$ 751.23                  |
| <b>Total</b>            |                                      | <b><u>\$ 51,430.38</u></b> |

Prepared by:


  
 \_\_\_\_\_  
**Stephen W. Wetherup (BSc.)**

Supervised by:


  
 \_\_\_\_\_  
**Robert C. Cameron (BSc., P.Geo.)**

February 29, 2000

**DISBURSEMENTS**

Expenditures for the 1999 work program on the Flume property totalled \$ 51,430.38 (Tabulated below) of which \$49,200 will be applied to assessment:

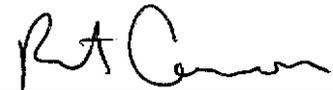
|                         |                                      |                            |
|-------------------------|--------------------------------------|----------------------------|
| Assays                  | 685 soil samples @ \$16.04/sample    | \$ 10988.72                |
|                         | 58 rock samples @ \$17.89/sample     | \$ 1037.84                 |
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|                         | Stephen Wetherup 33 days @ \$250/day | \$ 8250.00                 |
| Accommodation and Board |                                      | \$ 4687.97                 |
| Communications          |                                      | \$ 1152.46                 |
| Truck Rental            | Rentway                              | \$ 2458.86                 |
| Supplies and Services   |                                      | <u>\$ 751.23</u>           |
| <b>Total</b>            |                                      | <b><u>\$ 51,430.38</u></b> |

Prepared by:

Supervised by:

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 Stephen W. Wetherup (BSc.)




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 Robert C. Cameron (BSc., P.Geo.)

February 28, 2000

## BIBLIOGRAPHY

### **Debicki, R.L.**

1985: Bedrock geology and mineralization of the Klondike area (west), 115 O/41, 15, and 116 B/2, 3, scale 1:50,000; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File map with marginal notes.

### **Mortensen, J.K.,**

1996: Geological compilation maps of the northern Stewart River map area, Klondike and Sixty Mile Districts (115 N/15, 16; 115 O/13, 14 and parts of 115 O/15, 16), 1:50,000 scale; Indian and Northern Affairs, Yukon, Open File 1996-1(G).

### **Tempelman-Kluit, D.J.**

1974: Reconnaissance geology of Aishihik, Snag and part of Stewart River map-areas, west-central Yukon; Geological Survey of Canada, Paper 73-41, 97 p.

### **Wheeler, J.O., Brookfield, A.J., Gabrielse, H., Monger, J.W.H., Tipper, H.W., and Woodworth, G.J.,**

1991: Terrane map of the Canadian Cordillera; Geological Survey of Canada, Map 1713, scale 1:2,000,000.

**APPENDIX I**  
**Field Notes and Selected Geochemical Results**  
**for Soil Samples**

*Flume Property - Phelps Dodge Corporation of Canada Ltd.*  
 Geochemical Analyses of Soils (Selected Elements) - Summer 1999

| Sample No. | Material  | Colour | Topo     | Remarks | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|---------|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 71788      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10000 | 7043528            | 546905            | 6           | 81.5        | 52          | 13          | 54.8        | 0.7         | 0.2         | 16          | 0.8         | 0.1         |
| 71789      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10100 | 7043532            | 547005            | 4           | 11.7        | 159         | 13.7        | 51.2        | 0.7         | 0.3         | 16          | 0.5         | 0.1         |
| 71790      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10200 | 7043535            | 547105            | 14          | 11.9        | 223         | 39.7        | 71.5        | 0.8         | 0.2         | 48          | 0.5         | 0.1         |
| 71791      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10300 | 7043539            | 547205            | 7           | 7.1         | 25          | 7.3         | 71          | 0.4         | 0.1         | 24          | 0.7         | 0.1         |
| 71792      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10400 | 7043542            | 547305            | 5           | 8.1         | 22          | 15.1        | 63.8        | 0.6         | 0.1         | 22          | 0.9         | 0.1         |
| 71793      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10500 | 7043546            | 547405            | 3           | 10.3        | 41          | 13.3        | 60.9        | 0.6         | 0.2         | 27          | 0.5         | 0.1         |
| 71794      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10600 | 7043549            | 547505            | 8           | 7.6         | 65          | 11.5        | 58.8        | 0.5         | 0.1         | 18          | 0.6         | 0.1         |
| 71795      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10700 | 7043553            | 547605            | 6           | 10.4        | 58          | 14.9        | 73.5        | 0.6         | 0.2         | 30          | 0.9         | 0.1         |
| 71796      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10800 | 7043556            | 547705            | 5           | 9.9         | 99          | 13.2        | 65.1        | 0.5         | 0.2         | 32          | 0.7         | 0.1         |
| 71797      | Colluvium | Brown  | Hillside |         | A    | 11000 | 10900 | 7043560            | 547804            | 4           | 8.6         | 67          | 12.1        | 62.6        | 0.5         | 0.2         | 28          | 0.7         | 0.1         |
| 71798      | Colluvium | Brown  | Hillside |         | A    | 11000 | 11000 | 7043563            | 547904            | 6           | 9.8         | 85          | 13.5        | 66.6        | 0.6         | 0.2         | 41          | 0.8         | 0.1         |
| 71799      | Colluvium | Brown  | Hillside |         | A    | 11000 | 11100 | 7043567            | 548004            | 10          | 13.3        | 65          | 14          | 62.8        | 0.5         | 0.2         | 22          | 0.5         | 0.1         |
| 74500      | Colluvium | Brown  | Hillside |         | A    | 11000 | 11200 | 7043570            | 548104            | 5           | 21          | 51          | 9.8         | 58.2        | 0.5         | 0.1         | 22          | 0.7         | 0           |
| 74501      | Colluvium | Brown  | Hillside |         | A    | 11000 | 11300 | 7043574            | 548204            | 6           | 66.2        | 166         | 15.5        | 68.6        | 0.7         | 0.2         | 27          | 0.6         | 0.1         |
| 74502      | Colluvium | Brown  | Hillside |         | A    | 11000 | 11400 | 7043577            | 548304            | 2           | 13.7        | 98          | 10.5        | 69.1        | 0.8         | 0.2         | 37          | 0.8         | 0.1         |
| 74503      | Colluvium | Brown  | Hillside |         | A    | 11000 | 11500 | 7043581            | 548404            | 4           | 13.3        | 91          | 11.1        | 68.7        | 0.9         | 0.2         | 42          | 0.8         | 0.1         |
| 74504      | Colluvium | Brown  | Hillside | eol     | A    | 11000 | 11600 | 7043584            | 548504            | 3           | 12.1        | 73          | 8.4         | 60.5        | 0.7         | 0.1         | 32          | 0.8         | 0           |
| 74506      | Colluvium | Brown  | Hillside |         | A    | 10400 | 9500  | 7042911            | 546425            | 2           | 22.3        | 61          | 11.1        | 72.1        | 0.5         | 0.2         | 14          | 0.3         | 0.1         |
| 74507      | Colluvium | Brown  | Hillside |         | A    | 10400 | 9600  | 7042914            | 546525            | 6           | 33.5        | 24          | 13.9        | 57.9        | 0.6         | 0.2         | 21          | 0.4         | 0.1         |
| 74508      | Colluvium | Brown  | Hillside |         | A    | 10400 | 9700  | 7042918            | 546626            | 15          | 22.5        | 120         | 13.9        | 47.3        | 0.5         | 0.1         | 26          | 0.3         | 0.1         |
| 74509      | Colluvium | Brown  | Hillside |         | A    | 10400 | 9800  | 7042921            | 546726            | 11          | 88.9        | 190         | 18.4        | 52.2        | 0.7         | 0.2         | 39          | 0.7         | 0           |
| 74510      | Colluvium | Brown  | Hillside |         | A    | 10400 | 9920  | 7042925            | 546826            | 24          | 138.2       | 312         | 19.9        | 84.7        | 1.2         | 0.1         | 38          | 0.8         | 0.1         |
| 73988      |           |        |          |         | A    | 10900 | 10000 | 7043428            | 546909            | 2           | 34          | 132         | 11.6        | 55.2        | 0.6         | 0.2         | 28          | 0.5         | 0           |
| 73987      |           |        |          |         | A    | 10800 | 10000 | 7043328            | 546912            | 3           | 77.4        | 90          | 15          | 55.3        | 0.6         | 0.2         | 22          | 0.6         | 0.1         |
| 73986      |           |        |          |         | A    | 10700 | 10000 | 7043228            | 546916            | 9           | 89.7        | 99          | 15.1        | 60.6        | 0.7         | 0.2         | 29          | 0.4         | 0.1         |
| 73985      |           |        |          |         | A    | 10600 | 10000 | 7043128            | 546919            | 6           | 144.4       | 92          | 12          | 52.7        | 0.7         | 0.2         | 21          | 0.7         | 0.1         |
| 73984      |           |        |          |         | A    | 10500 | 10000 | 7043028            | 546923            | 5           | 85.6        | 104         | 22.6        | 99          | 0.7         | 0.2         | 35          | 0.6         | 0.1         |
| 73983      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10000 | 7042929            | 546926            | 8           | 44.8        | 105         | 23.3        | 81.3        | 0.7         | 0.2         | 29          | 0.7         | 0.1         |

| Sample No. | Material  | Colour | Topo     | Remarks | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|---------|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 73982      |           |        |          |         | A    | 10300 | 10000 | 7042829            | 546930            | 6           | 130.3       | 75          | 16          | 81.1        | 0.9         | 0.2         | 34          | 0.7         | 0           |
| 73981      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10000 | 7042729            | 546933            | 9           | 398.6       | 207         | 15.1        | 81.6        | 1.6         | 0.3         | 33          | 1.1         | 0.1         |
| 73979      |           |        |          |         | A    | 10010 | 10000 | 7042529            | 546940            | 13          | 132.4       | 206         | 20.7        | 94          | 0.8         | 0.2         | 61          | 1.3         | 0.1         |
| 74639      | Colluvium | Tan    | Hillside |         | A    | 10800 | 10100 | 7043332            | 547012            | 34          | 16.6        | 59          | 15.3        | 90.4        | 0.7         | 0.1         | 16          | 0.5         | 0           |
| 74511      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10100 | 7042932            | 547026            | 5           | 106.3       | 74          | 21.1        | 79          | 0.8         | 0.2         | 27          | 0.8         | 0.1         |
| 74640      | Colluvium | Brown  | Hillside |         | A    | 10800 | 10200 | 7043335            | 547112            | 63          | 14.7        | 248         | 112.2       | 1189.4      | 0.8         | 0.3         | 46          | 0.4         | 0           |
| 73994      | Colluvium | Brown  | Hillside |         | A    | 10600 | 10200 | 7043135            | 547119            | 7           | 27          | 147         | 17.4        | 73.3        | 0.7         | 0.2         | 43          | 0.7         | 0.1         |
| 74512      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10200 | 7042936            | 547126            | 3           | 171.1       | 62          | 20.8        | 63.9        | 0.7         | 0.2         | 14          | 0.4         | 0.1         |
| 74513      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10300 | 7042940            | 547226            | 3           | 68.7        | 66          | 14.2        | 54.1        | 0.7         | 0.2         | 14          | 0.5         | 0.1         |
| 73996      | Colluvium | Brown  | Hillside |         | A    | 10600 | 10400 | 7043143            | 547319            | 4           | 10.7        | 75          | 17.3        | 103.9       | 0.4         | 0.1         | 22          | 0.6         | 0           |
| 74514      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10400 | 7042944            | 547326            | 5           | 61          | 130         | 18          | 73.6        | 0.9         | 0.2         | 15          | 0.6         | 0.1         |
| 73997      | Colluvium | Brown  | Hillside |         | A    | 10600 | 10500 | 7043146            | 547418            | 4           | 9.2         | 279         | 10          | 68.2        | 0.5         | 0.1         | 15          | 0.3         | 0           |
| 74515      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10500 | 7042948            | 547425            | 43          | 184.7       | 132         | 14          | 58.5        | 0.8         | 0.2         | 13          | 0.5         | 0.1         |
| 74516      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10600 | 7042952            | 547525            | 3           | 50.2        | 85          | 12.2        | 46.1        | 0.6         | 0.2         | 14          | 0.3         | 0           |
| 74645      | Colluvium | Brown  | Hillside |         | A    | 10800 | 10700 | 7043353            | 547611            | 4           | 9.7         | 95          | 9.6         | 60.8        | 0.6         | 0.1         | 21          | 0.4         | 0           |
| 74517      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10700 | 7042955            | 547625            | 4           | 15.4        | 78          | 11.4        | 44.8        | 0.5         | 0.3         | 25          | 0.5         | 0.1         |
| 73761      | Colluvium | Brown  | Hillside |         | A    | 10600 | 10800 | 7043157            | 547718            | 4           | 12.2        | 106         | 11.3        | 30.3        | 0.4         | 0.2         | 15          | 0.4         | 0           |
| 74518      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10800 | 7042959            | 547725            | 8           | 166.6       | 68          | 17.3        | 67.5        | 0.7         | 0.2         | 25          | 0.5         | 0.1         |
| 74647      | Colluvium | Brown  | Hillside |         | A    | 10800 | 10900 | 7043360            | 547811            | 5           | 10.6        | 31          | 8.4         | 57.4        | 0.5         | 0.1         | 15          | 0.4         | 0           |
| 73762      | Colluvium | Brown  | Hillside |         | A    | 10600 | 10900 | 7043160            | 547818            | 10          | 19.7        | 103         | 10.7        | 61          | 0.6         | 0.2         | 11          | 0.2         | 0           |
| 74519      | Colluvium | Brown  | Hillside |         | A    | 10400 | 10900 | 7042963            | 547825            | 9           | 32.3        | 284         | 15          | 59.9        | 0.8         | 0.2         | 25          | 0.4         | 0.1         |
| 74520      | Colluvium | Brown  | Hillside |         | A    | 10400 | 11000 | 7042967            | 547925            | 2           | 17.1        | 50          | 8.8         | 49          | 0.6         | 0.2         | 15          | 0.2         | 0           |
| 74649      | Colluvium | Orange | Hillside |         | A    | 10800 | 11100 | 7043367            | 548011            | 1           | 34.8        | 191         | 11.2        | 57          | 0.5         | 0.1         | 14          | 0.3         | 0           |
| 73764      | Colluvium | Brown  | Hillside |         | A    | 10600 | 11100 | 7043167            | 548018            | 6           | 29.6        | 117         | 10.3        | 59.1        | 0.6         | 0.2         | 30          | 0.5         | 0.1         |
| 74521      | Colluvium | Brown  | Hillside |         | A    | 10400 | 11100 | 7042971            | 548025            | 1           | 62.3        | 97          | 11.8        | 46.4        | 0.6         | 0.2         | 11          | 0.3         | 0           |
| 74650      | Colluvium | Orange | Hillside |         | A    | 10800 | 11200 | 7043371            | 548111            | 1           | 221         | 62          | 15          | 68.3        | 0.7         | 0.1         | 11          | 0.4         | 0           |
| 73765      | Colluvium | Brown  | Hillside |         | A    | 10600 | 11200 | 7043171            | 548118            | 4           | 13          | 100         | 9.1         | 76.3        | 0.9         | 0.3         | 44          | 1           | 0.1         |
| 74522      | Colluvium | Brown  | Hillside |         | A    | 10400 | 11200 | 7042975            | 548125            | 1           | 77.4        | 98          | 10.8        | 49.4        | 0.5         | 0.2         | 0           | 0.2         | 0           |
| 74651      | Colluvium | Orange | Hillside |         | A    | 10800 | 11300 | 7043374            | 548210            | 2           | 119         | 46          | 10.6        | 78.7        | 0.8         | 0.2         | 27          | 0.5         | 0.1         |
| 73766      | Colluvium | Brown  | Hillside |         | A    | 10600 | 11300 | 7043174            | 548217            | 13          | 80.1        | 148         | 12          | 76.8        | 0.8         | 0.2         | 50          | 0.7         | 0.1         |
| 74523      | Colluvium | Brown  | Hillside |         | A    | 10400 | 11300 | 7042978            | 548224            | 1           | 23.6        | 59          | 9.3         | 45.2        | 0.5         | 0.2         | 13          | 0.3         | 0           |

| Sample No. | Material  | Colour | Topo     | Remarks                            | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|------------------------------------|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 73767      | Colluvium | Orange | Hillside |                                    | A    | 10600 | 11400 | 7043178            | 548317            | 2           | 66.8        | 50          | 21.5        | 58.7        | 0.8         | 0.2         | 20          | 0.7         | 0.1         |
| 74524      | Colluvium | Brown  | Hillside |                                    | A    | 10400 | 11400 | 7042982            | 548324            | 3           | 39.2        | 57          | 9.6         | 57.9        | 0.6         | 0.2         | 27          | 0.5         | 0.1         |
| 73768      | Colluvium | Orange | Hillside |                                    | A    | 10600 | 11500 | 7043181            | 548417            | 7           | 88.6        | 38          | 12.9        | 101.4       | 0.8         | 0.1         | 19          | 0.4         | 0.1         |
| 74525      | Colluvium | Brown  | Hillside |                                    | A    | 10400 | 11500 | 7042986            | 548424            | 3           | 36.3        | 49          | 9.8         | 60.2        | 0.7         | 0.2         | 33          | 0.8         | 0.1         |
| 73769      | Colluvium | Brown  | Hillside |                                    | A    | 10600 | 11600 | 7043185            | 548517            | 2           | 21.5        | 37          | 9.2         | 54.5        | 0.6         | 0.1         | 20          | 0.5         | 0.1         |
| 74526      |           |        |          |                                    | A    | 10400 | 11600 | 7042990            | 548524            | 3           | 24.7        | 67          | 7.9         | 55.6        | 0.6         | 0.3         | 18          | 0.6         | 0           |
| 74643      | Colluvium | Brown  | Hillside | angular frags of granite           | A    | 10800 | 10500 | 7043346            | 547411            | 8           | 12.5        | 90          | 11.9        | 63.9        | 0.6         | 0.1         | 16          | 0.5         | 0           |
| 73989      | Colluvium | Brown  | Hillside | blocks of granitic intrusive       | A    | 10600 | 9600  | 7043113            | 546520            | 2           | 16.9        | 45          | 9.9         | 99          | 0.4         | 0.2         | 41          | 0.3         | 0           |
| 73990      | Colluvium | Brown  | Hillside | blocks of granitic intrusive       | A    | 10600 | 9700  | 7043117            | 546620            | 1           | 21.6        | 96          | 7.9         | 37.6        | 0.4         | 0.1         | 24          | 0.3         | 0           |
| 73991      | Colluvium | Brown  | Hillside | blocks of granitic intrusive       | A    | 10600 | 9800  | 7043121            | 546720            | 3           | 57.3        | 65          | 10.4        | 55.8        | 0.6         | 0.1         | 65          | 0.6         | 0           |
| 74648      | Colluvium | Orange | Hillside | chlorite schist chips              | A    | 10800 | 11000 | 7043364            | 547911            | 3           | 50.7        | 57          | 14.6        | 90          | 0.5         | 0.1         | 17          | 0.6         | 0           |
| 74652      | Colluvium | Orange | Hillside | chlorite schist chips              | A    | 10800 | 11400 | 7043378            | 548310            | 1           | 31.2        | 38          | 7.8         | 75.7        | 0.4         | 0.2         | 24          | 0.6         | 0           |
| 73763      | Colluvium | Brown  | Hillside | claimline crossed at 1106n 110+20e | A    | 10600 | 11000 | 7043164            | 547918            | 13          | 22.2        | 87          | 13.2        | 82.5        | 0.6         | 0.2         | 22          | 0.6         | 0.1         |
| 74654      | Colluvium | Brown  | Hillside | clay rich                          | A    | 10800 | 11600 | 7043385            | 548510            | 2           | 15.6        | 75          | 28.6        | 72          | 0.7         | 0.2         | 16          | 0.4         | 0.1         |
| 74637      | Talus     | Orange | Hillside | direct weathering off granite      | A    | 10800 | 9900  | 7043324            | 546814            | 3           | 39.7        | 53          | 8.9         | 50.7        | 0.5         | 0.1         | 19          | 0.3         | 0           |
| 73998      | Colluvium | Brown  | Hillside | entered burn at 106+20e            | A    | 10600 | 10600 | 7043150            | 547518            | 1           | 7.3         | 90          | 10.1        | 86.7        | 0.5         | 0.2         | 12          | 0.3         | 0           |
| 74505      | Colluvium | Brown  | Hillside | eol                                | A    | 10400 | 9400  | 7042907            | 546325            | 9           | 69.3        | 131         | 38.6        | 80.7        | 0.6         | 0.2         | 29          | 0.4         | 0           |
| 74646      | Colluvium | Brown  | Hillside | granitic fragments                 | A    | 10800 | 10800 | 7043357            | 547711            | 7           | 15.3        | 70          | 10          | 63.1        | 0.7         | 0.1         | 17          | 0.5         | 0           |
| 73992      | Colluvium | Brown  | Hillside | intrusive chips                    | A    | 10600 | 9900  | 7043125            | 546819            | 3           | 77.8        | 164         | 13          | 63.1        | 0.6         | 0.2         | 33          | 0.6         | 0.1         |
| 73993      | Colluvium | Brown  | Hillside | intrusive chips                    | A    | 10600 | 10100 | 7043132            | 547019            | 8           | 58.6        | 122         | 18.2        | 196.3       | 0.6         | 0.3         | 19          | 0.6         | 0.1         |
| 73995      | Colluvium | Brown  | Hillside | intrusive chips                    | A    | 10600 | 10300 | 7043139            | 547219            | 40          | 19.8        | 191         | 346.2       | 370.7       | 0.6         | 0.2         | 36          | 0.9         | 0           |
| 73999      | Colluvium | Brown  | Hillside | intrusive chips                    | A    | 10600 | 10700 | 7043153            | 547618            | 3           | 11.4        | 33          | 13.9        | 68          | 0.6         | 0.1         | 19          | 0.6         | 0.1         |
| 74653      | Colluvium | Brown  | Hillside | mica rich                          | A    | 10800 | 11500 | 7043381            | 548410            | 2           | 83.1        | 38          | 16.1        | 79.6        | 0.8         | 0.1         | 10          | 0.7         | 0           |
| 74641      | Colluvium | Brown  | Hillside | near ridge crest                   | A    | 10800 | 10300 | 7043339            | 547212            | 3           | 13.5        | 103         | 28.2        | 124         | 0.6         | 0.2         | 16          | 0.5         | 0.1         |
| 74638      | Organic   | Black  | Hillside | peat with abundant granite         | A    | 10800 | 9800  | 7043319            | 546716            | 17          | 110.9       | 137         | 14          | 62.8        | 0.6         | 0.1         | 71          | 0.8         | 0.1         |
| 74644      | Colluvium | Orange | Hillside | qfp-himonic quartz veins           | A    | 10800 | 10600 | 7043349            | 547511            | 3           | 5.4         | 11          | 10.3        | 69.1        | 0.5         | 0.1         | 17          | 0.4         | 0           |
| 74642      | Colluvium | Brown  | Hillside | silt, sand, orange,brown           | A    | 10800 | 10400 | 7043342            | 547312            | 2           | 6.3         | 86          | 10.4        | 73.9        | 0.3         | 0.1         | 15          | 0.4         | 0           |
| 74528      | Colluvium | Brown  | Hillside |                                    | A    | 10200 | 9300  | 7042704            | 546235            | 3           | 11.9        | 58          | 11.3        | 51.5        | 0.6         | 0.2         | 20          | 0.4         | 0.1         |
| 74529      | Colluvium | Brown  | Hillside |                                    | A    | 10200 | 9400  | 7042707            | 546335            | 7           | 23.9        | 188         | 16.3        | 60.4        | 0.7         | 0.2         | 34          | 0.9         | 0.1         |
| 74530      | Colluvium | Brown  | Hillside |                                    | A    | 10200 | 9500  | 7042711            | 546434            | 10          | 46.6        | 132         | 19          | 56.4        | 0.5         | 0.2         | 33          | 0.4         | 0.1         |
| 74531      | Colluvium | Brown  | Hillside |                                    | A    | 10200 | 9600  | 7042714            | 546534            | 10          | 22.6        | 219         | 13.1        | 66.6        | 0.6         | 0.2         | 53          | 0.9         | 0           |

| Sample No. | Material  | Colour | Topo     | Remarks | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|---------|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74532      | Colluvium | Brown  | Hillside |         | A    | 10200 | 9700  | 7042718            | 546634            | 21          | 143.7       | 121         | 13.8        | 50.8        | 0.7         | 0.2         | 32          | 0.5         | 0.1         |
| 74533      | Colluvium | Brown  | Hillside |         | A    | 10200 | 9800  | 7042722            | 546734            | 61          | 457         | 189         | 17.4        | 68.8        | 1.5         | 0.3         | 22          | 0.7         | 0.2         |
| 74534      | Colluvium | Brown  | Hillside |         | A    | 10200 | 9900  | 7042725            | 546833            | 31          | 806.2       | 236         | 26.2        | 93          | 1           | 0.4         | 26          | 0.9         | 0.1         |
| 74659      | Colluvium | Tan    | Hillside |         | A    | 9500  | 10000 | 7042029            | 546958            | 39          | 948.4       | 82          | 54.6        | 119.5       | 0.8         | 0.2         | 28          | 0.7         | 0           |
| 74660      | Colluvium | Brown  | Hillside |         | A    | 9400  | 10000 | 7041929            | 546961            | 12          | 615.8       | 79          | 8.8         | 51.6        | 0.7         | 0.2         | 15          | 0.6         | 0.1         |
| 74663      | Colluvium | Brown  | Hillside |         | A    | 9100  | 10000 | 7041630            | 546972            | 11          | 578.1       | 83          | 11.4        | 89.5        | 0.8         | 0.1         | 25          | 0.9         | 0           |
| 74664      | Colluvium | Brown  | Hillside |         | A    | 9000  | 10000 | 7041530            | 546975            | 4           | 107.8       | 101         | 16          | 77.9        | 0.6         | 0.3         | 13          | 0.6         | 0.1         |
| 74665      | Colluvium | Brown  | Hillside |         | A    | 8900  | 10000 | 7041430            | 546979            | 3           | 60.3        | 185         | 17.1        | 48.2        | 0.5         | 0.6         | 21          | 0.8         | 0           |
| 74666      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10000 | 7041330            | 546982            | 5           | 259.2       | 56          | 13.1        | 90.8        | 0.2         | 0.5         | 11          | 0.6         | 0.1         |
| 73771      | Colluvium | Brown  | Hillside |         | A    | 8600  | 10000 | 7041130            | 546989            | 3           | 55.1        | 38          | 4.3         | 41          | 0.3         | 0.1         | 9           | 0.3         | 0           |
| 74535      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10100 | 7042732            | 547033            | 9           | 414.3       | 350         | 16.3        | 100.4       | 1.2         | 0.2         | 31          | 0.7         | 0.1         |
| 74667      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10100 | 7041333            | 547083            | 7           | 248.5       | 119         | 21.6        | 66.8        | 0.5         | 0.3         | 24          | 0.5         | 0           |
| 73772      | Colluvium | Brown  | Hillside |         | A    | 8600  | 10100 | 7041134            | 547089            | 10          | 136.9       | 66          | 9.3         | 83.8        | 0.5         | 0.3         | 17          | 0.6         | 0.1         |
| 74536      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10200 | 7042736            | 547133            | 9           | 73.1        | 157         | 17          | 68.2        | 0.7         | 0.2         | 16          | 0.5         | 0.1         |
| 74668      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10200 | 7041337            | 547183            | 2           | 219.5       | 142         | 78          | 206.7       | 0.4         | 0.5         | 30          | 0.7         | 0.1         |
| 73773      | Colluvium | Brown  | Hillside |         | A    | 8600  | 10200 | 7041137            | 547190            | 3           | 158.8       | 26          | 20.1        | 58.5        | 0.8         | 0.3         | 13          | 0.6         | 0.1         |
| 74537      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10300 | 7042739            | 547233            | 17          | 336         | 464         | 18.9        | 122.9       | 1.3         | 0.2         | 29          | 0.5         | 0.1         |
| 74669      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10300 | 7041340            | 547284            | 7           | 329.1       | 82          | 26.5        | 88.6        | 0.8         | 0.2         | 16          | 0.5         | 0.1         |
| 73774      | Colluvium | Brown  | Hillside |         | A    | 8600  | 10300 | 7041141            | 547290            | 3           | 438         | 15          | 40.9        | 47.5        | 0.7         | 0.6         | 8           | 0.6         | 0           |
| 74538      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10400 | 7042743            | 547333            | 9           | 167         | 200         | 12.3        | 50.1        | 0.8         | 0.2         | 32          | 0.6         | 0.1         |
| 74670      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10400 | 7041344            | 547384            | 8           | 451.7       | 130         | 85.7        | 220.1       | 0.4         | 0.5         | 35          | 0.9         | 0.1         |
| 74539      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10500 | 7042746            | 547432            | 1           | 59.9        | 84          | 9.9         | 55.4        | 0.7         | 0.2         | 19          | 0.4         | 0.1         |
| 74671      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10500 | 7041347            | 547485            | 10          | 269.2       | 497         | 25.4        | 95.1        | 0.4         | 0.3         | 41          | 0.7         | 0.1         |
| 74540      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10600 | 7042749            | 547532            | 11          | 66.1        | 101         | 15.5        | 57          | 0.7         | 0.2         | 26          | 0.6         | 0.1         |
| 74672      | Colluvium | Brown  | Hillside |         | A    | 8800  | 10600 | 7041351            | 547585            | 7           | 132.4       | 734         | 63.6        | 341.9       | 0.8         | 0.8         | 26          | 6           | 0.2         |
| 74541      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10700 | 7042753            | 547632            | 1           | 30.3        | 86          | 9.6         | 49.6        | 0.5         | 0.2         | 19          | 0.6         | 0           |
| 74542      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10800 | 7042756            | 547732            | 3           | 32.2        | 64          | 14.8        | 63.9        | 0.5         | 0.2         | 25          | 0.5         | 0.1         |
| 74543      | Colluvium | Brown  | Hillside |         | A    | 10200 | 10900 | 7042760            | 547832            | 5           | 84.3        | 123         | 14.3        | 63.2        | 0.8         | 0.2         | 41          | 0.6         | 0.1         |
| 74544      | Colluvium | Brown  | Hillside |         | A    | 10200 | 11000 | 7042763            | 547932            | 3           | 13.1        | 57          | 10          | 68          | 0.6         | 0.2         | 24          | 0.7         | 0           |
| 74545      | Organic   | Brown  | Hillside |         | A    | 10200 | 11100 | 7042767            | 548032            | 4           | 117.5       | 72          | 12.2        | 56.5        | 0.6         | 0.2         | 10          | 0.5         | 0           |
| 74546      | Colluvium | Brown  | Hillside |         | A    | 10200 | 11200 | 7042770            | 548132            | 4           | 124.5       | 29          | 16.1        | 59          | 0.7         | 0.2         | 16          | 0.4         | 0.1         |

| Sample No. | Material  | Colour | Topo     | Remarks                                 | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74547      | Colluvium | Brown  | Hillside |   | A    | 10200 | 11300 | 7042774            | 548231            | 10          | 76.2        | 115         | 22.1        | 74.8        | 0.9         | 0.2         | 32          | 0.4         | 0.1         |
| 74548      | Colluvium | Brown  | Hillside |   | A    | 10200 | 11400 | 7042777            | 548331            | 6           | 68.8        | 61          | 12.2        | 64.7        | 0.8         | 0.2         | 24          | 0.5         | 0.1         |
| 74549      | Colluvium | Brown  | Hillside |   | A    | 10200 | 11500 | 7042781            | 548431            | 4           | 19.4        | 81          | 11.1        | 70          | 0.8         | 0.2         | 37          | 0.8         | 0.1         |
| 74550      | Colluvium | Brown  | Hillside |   | A    | 10200 | 11600 | 7042784            | 548531            | 3           | 15.5        | 49          | 9.1         | 60.1        | 0.6         | 0.2         | 26          | 0.6         | 0           |
| 73770      | Colluvium | Brown  | Hillside | chips of sericite quartz schist         | A    | 8700  | 10000 | 7041230            | 546986            | 40          | 163.9       | 64          | 5.7         | 67.2        | 0.2         | 0.1         | 13          | 0.3         | 0           |
| 73775      | Colluvium | Brown  | Gulley   | creek at 104+07e. main creek at 104+80e | A    | 8600  | 10400 | 7041144            | 547390            | 1           | 10.6        | 47          | 17.1        | 122.4       | 0.4         | 0.6         | 12          | 1.2         | 0.1         |
| 74527      | Colluvium | Brown  | Hillside | eol                                     | A    | 10200 | 9200  | 7042700            | 546135            | 9           | 16.3        | 117         | 10.4        | 47.1        | 0.5         | 0.3         | 18          | 0.4         | 0           |
| 74661      | Colluvium | Brown  | Hillside | good b horizon                          | A    | 9300  | 10000 | 7041829            | 546965            | 10          | 305.1       | 113         | 10.6        | 70.1        | 0.9         | 0.2         | 33          | 0.9         | 0           |
| 74657      | Colluvium | Brown  | Hillside | limonitic orthogneiss                   | A    | 9700  | 10000 | 7042229            | 546951            | 33          | 517.2       | 147         | 13.1        | 116.1       | 0.5         | 0.2         | 34          | 0.8         | 0           |
| 74658      | Colluvium | Tan    | Hillside | mostly schist fragments                 | A    | 9600  | 10000 | 7042129            | 546954            | 8           | 262.3       | 29          | 7.2         | 81.7        | 0.3         | 0.1         | 14          | 0.4         | 0           |
| 74662      | Colluvium | Brown  | Hillside | pebbly silt                             | A    | 9200  | 10000 | 7041730            | 546968            | 12          | 281.9       | 354         | 11.6        | 74.7        | 0.6         | 0.2         | 30          | 0.7         | 0           |
| 74656      | Colluvium | Brown  | Hillside | permafrost, clayey with pebbles         | A    | 9800  | 10000 | 7042329            | 546947            | 7           | 72.8        | 466         | 14          | 72.5        | 0.3         | 0.3         | 42          | 1.6         | 0           |
| 74655      | Colluvium | Brown  | Hillside | permafrost,peat,clay                    | A    | 9900  | 10000 | 7042429            | 546944            | 10          | 204.7       | 575         | 29.3        | 124.6       | 0.8         | 0.2         | 128         | 3.7         | 0.1         |
| 74567      | Silt      | Brown  | Hilltop  |   | A    | 9000  | 8200  | 7041470            | 545178            | 1           | 9.9         | 36          | 18          | 66.2        | 10.6        | 0.3         | 16          | 0.6         | 0.1         |
| 74690      | Silt      | Orange | Hillside |   | A    | 8800  | 8200  | 7041266            | 545183            | 0           | 14.9        | 127         | 10.4        | 59.8        | 1.2         | 0.1         | 24          | 0.4         | 0.1         |
| 74566      | Gravel    | Brown  | Hilltop  |   | A    | 9000  | 8300  | 7041474            | 545284            | 0           | 1.4         | 3           | 2.2         | 35.6        | 1           | 0.1         | 7           | 0.2         | 0           |
| 73792      | Colluvium | Brown  | Hillside |   | A    | 8600  | 8300  | 7041071            | 545288            | 5           | 34.6        | 157         | 20.3        | 75.6        | 2.3         | 0.2         | 28          | 0.9         | 0.1         |
| 74565      | Gravel    | Brown  | Hillside |   | A    | 9000  | 8400  | 7041477            | 545389            | 7           | 43.9        | 272         | 24.5        | 98.8        | 2.8         | 0.3         | 78          | 1.2         | 0.1         |
| 73790      | Colluvium | Orange | Hillside |   | A    | 8600  | 8500  | 7041078            | 545488            | 3           | 38.8        | 271         | 16.1        | 73.9        | 1           | 0.3         | 26          | 0.6         | 0.1         |
| 74564      | Gravel    | Brown  | Hillside |   | A    | 9000  | 8500  | 7041481            | 545495            | 6           | 79.2        | 533         | 24.3        | 86.5        | 1.2         | 0.4         | 69          | 1.1         | 0.1         |
| 74563      | Gravel    | Brown  | Hillside |   | A    | 9000  | 8600  | 7041484            | 545601            | 8           | 61.8        | 256         | 26.2        | 111.6       | 1.3         | 0.3         | 44          | 0.8         | 0.1         |
| 73788      | Colluvium | Orange | Hillside |   | A    | 8600  | 8700  | 7041085            | 545688            | 3           | 12.8        | 32          | 8.8         | 59.3        | 1.1         | 0.1         | 21          | 0.5         | 0.1         |
| 74562      | Silt      | Black  | Hillside |   | A    | 9000  | 8700  | 7041488            | 545707            | 12          | 99.3        | 269         | 17          | 78          | 1.4         | 0.3         | 48          | 1.5         | 0.1         |
| 74561      | Talus     | Brown  | Hillside |   | A    | 9000  | 8890  | 7041491            | 545812            | 1           | 126.6       | 232         | 13.7        | 121.4       | 2.6         | 0.3         | 21          | 2.4         | 0.1         |
| 74560      | Gravel    | Brown  | Hillside |   | A    | 9000  | 9000  | 7041495            | 545918            | 3           | 98.5        | 48          | 14.5        | 92.6        | 1.6         | 0.3         | 14          | 0.7         | 0.1         |
| 74559      | Gravel    | Brown  | Hillside |   | A    | 9000  | 9100  | 7041498            | 546024            | 8           | 589.7       | 114         | 13          | 100         | 2.4         | 0.3         | 19          | 1.3         | 0.1         |
| 74558      | Gravel    | Brown  | Hilltop  |   | A    | 9000  | 9200  | 7041502            | 546129            | 11          | 344.8       | 191         | 14.7        | 71.9        | 2.7         | 0.3         | 30          | 2           | 0.1         |
| 74557      | Gravel    | Brown  | Hilltop  |   | A    | 9000  | 9300  | 7041505            | 546235            | 6           | 377.6       | 75          | 11.4        | 66.1        | 1.8         | 0.2         | 24          | 1.2         | 0.1         |
| 74556      | Gravel    | Brown  | Hillside |   | A    | 9000  | 9400  | 7041509            | 546341            | 1           | 186.6       | 261         | 14.9        | 66.2        | 2           | 0.3         | 15          | 0.7         | 0.1         |
| 74555      | Silt      | Brown  | Hillside |   | A    | 9000  | 9500  | 7041512            | 546446            | 2           | 71.9        | 535         | 11.1        | 45.4        | 1.1         | 0.2         | 20          | 0.6         | 0.1         |
| 74677      | Gravel    | Brown  | Hillside |   | A    | 8800  | 9500  | 7041312            | 546482            | 18          | 474.8       | 382         | 41.7        | 114.1       | 1.9         | 0.2         | 43          | 1.8         | 0.1         |

| Sample No. | Material  | Colour | Topo     | Remarks   | Grid | North | East | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|---|------|-------|------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 73780      | Colluvium | Brown  | Hillside |   | A    | 8600  | 9500 | 7041113            | 546489            | 4           | 109.2       | 170         | 14.2        | 79          | 1.7         | 0.2         | 26          | 1.2         | 0.1         |
| 74554      | Silt      | Brown  | Hillside |   | A    | 9000  | 9600 | 7041516            | 546552            | 5           | 385.6       | 321         | 13.8        | 104.7       | 2.2         | 0.2         | 27          | 1.2         | 0.1         |
| 74553      | Gravel    | Brown  | Hillside |   | A    | 9000  | 9700 | 7041519            | 546658            | 9           | 416.8       | 465         | 22.1        | 166.9       | 2.7         | 0.3         | 15          | 2.3         | 0.1         |
| 74675      | Silt      | Brown  | Hillside |   | A    | 8800  | 9700 | 7041319            | 546682            | 12          | 302.2       | 122         | 14.3        | 87.9        | 1.1         | 0.2         | 21          | 1           | 0           |
| 74552      | Gravel    | Brown  | Hillside |   | A    | 9000  | 9800 | 7041523            | 546764            | 13          | 631.6       | 110         | 31.7        | 86.1        | 0.6         | 0.3         | 11          | 0.8         | 0.1         |
| 74551      | Silt      | Brown  | Hillside |   | A    | 9000  | 9900 | 7041526            | 546869            | 2           | 21.1        | 113         | 8.6         | 30.6        | 0.3         | 0.1         | 32          | 0.5         | 0           |
| 73791      | Colluvium | Brown  | Hillside | chips of sericite quartz schist                       | A    | 8600  | 8400 | 7041075            | 545388            | 3           | 75.5        | 347         | 15.2        | 75.8        | 1.7         | 0.2         | 18          | 0.9         | 0.1         |
| 73784      | Colluvium | Brown  | Hillside | chips of sericite quartz schist                       | A    | 8600  | 9100 | 7041099            | 546089            | 3           | 13          | 24          | 88.2        | 51.9        | 0.7         | 0.2         | 46          | 0.9         | 0           |
| 73776      | Colluvium | Brown  | Hillside | chips of sericite quartz schist                       | A    | 8600  | 9900 | 7041127            | 546889            | 13          | 224.6       | 110         | 14.4        | 64.2        | 0.5         | 0.2         | 19          | 0.6         | 0.1         |
| 74681      | Gravel    | Orange | Hillside | crossed 30m short of ridge crest                      | A    | 8800  | 9100 | 7041298            | 546083            | 11          | 114.1       | 25          | 16          | 54.3        | 1.2         | 0.3         | 24          | 0.5         | 0.1         |
| 74683      | Silt      | Brown  | Hillside | dropping into basin                                   | A    | 8800  | 8900 | 7041291            | 545883            | 17          | 96.6        | 220         | 14.9        | 70          | 0.9         | 0.2         | 59          | 1           | 0.1         |
| 73789      | Colluvium | Brown  | Hillside | granite clasts  | A    | 8600  | 8600 | 7041082            | 545588            | 4           | 24.8        | 161         | 10.3        | 59          | 0.7         | 0.1         | 16          | 0.6         | 0.1         |
| 73786      | Colluvium | Brown  | Hillside | granitic chips  | A    | 8600  | 8900 | 7041092            | 545888            | 3           | 17.9        | 230         | 11.9        | 58          | 0.7         | 0.2         | 56          | 0.8         | 0.1         |
| 74676      | Silt      | Brown  | Hillside | graphitic chlorite schist                             | A    | 8800  | 9600 | 7041316            | 546582            | 1           | 111.9       | 547         | 11.9        | 191.4       | 1.2         | 0.2         | 41          | 1.3         | 0.1         |
| 74686      | Gravel    | Brown  | Hillside | gravelly peat, few fines at<br>188n.crossed claim lin | A    | 8800  | 8600 | 7041280            | 545583            | 13          | 47.3        | 625         | 24.9        | 99.3        | 0.8         | 0.3         | 74          | 0.8         | 0.1         |
| 73785      | Colluvium | Brown  | Hillside | line at 186n 88+50e. heli pad at 86n,<br>87+50e       | A    | 8600  | 9000 | 7041096            | 545988            | 9           | 122.6       | 30          | 27.4        | 82.8        | 1           | 0.2         | 31          | 0.7         | 0.1         |
| 74679      | Gravel    | Grey   | Hillside | more qtzite @ surface                                 | A    | 8800  | 9300 | 7041305            | 546282            | 0           | 56.9        | 204         | 8.4         | 49.3        | 0.5         | 0.2         | 23          | 0.1         | 0           |
| 74689      | Silt      | Tan    | Hillside | mostly qtz frags in soil                              | A    | 8800  | 8300 | 7041270            | 545283            | 1           | 102.8       | 124         | 19.4        | 57.6        | 6.3         | 0.3         | 12          | 0.2         | 0.1         |
| 74687      | Gravel    | Orange | Hillside | near ridge crest                                      | A    | 8800  | 8500 | 7041277            | 545483            | 4           | 93.2        | 46          | 30.5        | 137.1       | 1.5         | 0.4         | 16          | 0.7         | 0.1         |
| 74682      | Silt      | Brown  | Hillside | orangish brown sandy silt                             | A    | 8800  | 9000 | 7041294            | 545983            | 8           | 115.1       | 34          | 14.1        | 61.5        | 0.8         | 0.2         | 17          | 0.5         | 0           |
| 74673      | Silt      | Brown  | Hillside | orthogneiss (granitic) fragment                       | A    | 8800  | 9900 | 7041326            | 546882            | 17          | 170.6       | 85          | 11.7        | 72.7        | 0.4         | 0.2         | 12          | 0.7         | 0           |
| 73783      | Colluvium | Brown  | Hillside | orthogneiss fragments                                 | A    | 8600  | 9200 | 7041102            | 546189            | 5           | 73.1        | 60          | 16.5        | 50.8        | 0.8         | 0.3         | 15          | 0.7         | 0           |
| 73793      | Colluvium | Brown  | Hillside | orthogneiss&vuggy quartz                              | A    | 8600  | 8200 | 7041068            | 545188            | 1           | 6.7         | 156         | 12          | 60.4        | 0.8         | 0.2         | 40          | 0.7         | 0.1         |
| 74685      | Organic   | Black  | Hillside | permafrost, some pebbles                              | A    | 8800  | 8700 | 7041284            | 545683            | 5           | 19.1        | 386         | 18.1        | 99.9        | 0.5         | 0.2         | 93          | 1.6         | 0.1         |
| 74684      | Silt      | Black  | Hillside | permafrost, much organic                              | A    | 8800  | 8800 | 7041287            | 545783            | 6           | 101.5       | 262         | 13.9        | 93.2        | 1.4         | 0.2         | 68          | 1.4         | 0.1         |
| 73782      | Colluvium | Brown  | Hillside | quartz chlorite schist                                | A    | 8600  | 9300 | 7041106            | 546289            | 4           | 215.2       | 66          | 11.2        | 60.8        | 1.3         | 0.3         | 12          | 0.8         | 0.1         |
| 73781      | Colluvium | Brown  | Hillside | quartz chlorite schist                                | A    | 8600  | 9400 | 7041109            | 546389            | 5           | 135.7       | 134         | 13.1        | 62.1        | 1.8         | 0.2         | 23          | 1.3         | 0.1         |
| 73779      | Colluvium | Brown  | Hillside | quartz chlorite schist                                | A    | 8600  | 9600 | 7041116            | 546589            | 7           | 134         | 326         | 14.5        | 72.9        | 1.4         | 0.2         | 35          | 1.2         | 0.1         |
| 73778      | Colluvium | Brown  | Hillside | quartz chlorite schist                                | A    | 8600  | 9700 | 7041120            | 546689            | 13          | 231.1       | 383         | 14.3        | 122.6       | 1.5         | 0.2         | 33          | 1.3         | 0.1         |
| 73787      | Colluvium | Orange | Hillside | quartz&granite chips                                  | A    | 8600  | 8800 | 7041089            | 545788            | 3           | 15.4        | 115         | 14          | 47.8        | 0.7         | 0.2         | 37          | 0.7         | 0.1         |

| Sample No. | Material  | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74674      | Silt      | Brown  | Hillside | schist frags                                       | A    | 8800  | 9800  | 7041323            | 546782            | 4           | 153.7       | 46          | 9.9         | 72.7        | 0.5         | 0.1         | 17          | 0.6         | 0           |
| 73777      | Colluvium | Brown  | Hillside | sericite, chlorite schist                          | A    | 8600  | 9800  | 7041123            | 546789            | 25          | 222.9       | 200         | 13          | 90.6        | 1           | 0.2         | 23          | 1.4         | 0.1         |
| 74688      | Gravel    | Brown  | Flat     | siliceous pebbles (angular, sev. rusted fractures) | A    | 8800  | 8400  | 7041273            | 545383            | 6           | 82.8        | 184         | 25.7        | 93.7        | 2.3         | 0.3         | 39          | 0.6         | 0.1         |
| 74680      | Gravel    | Grey   | Hillside | topo flattening out                                | A    | 8800  | 9200  | 7041301            | 546182            | 1           | 39.6        | 469         | 5.8         | 23.6        | 0.4         | 0.1         | 24          | 0.3         | 0           |
| 74678      | Bedrock   | Grey   | Hillside | very thin soil atop a graphitic quartzite          | A    | 8800  | 9400  | 7041309            | 546382            | 5           | 139.3       | 564         | 15.1        | 50.4        | 1           | 0.2         | 25          | 0.6         | 0.1         |
| 74584      | Silt      | Brown  | Hilltop  |  | A    | 9200  | 8300  | 7041670            | 545271            | 3           | 22.9        | 24          | 25          | 76.9        | 16.1        | 0.3         | 16          | 0.7         | 0.1         |
| 74581      | Till      | Brown  | Hillside |  | A    | 9200  | 8600  | 7041681            | 545570            | 4           | 80.4        | 237         | 42.3        | 93          | 1.8         | 0.3         | 43          | 1.4         | 0.1         |
| 74580      | Gravel    | Brown  | Hillside |  | A    | 9200  | 8700  | 7041684            | 545670            | 8           | 107.4       | 311         | 6.7         | 40.9        | 1.1         | 0.2         | 86          | 2.7         | 0           |
| 71800      | Gravel    | Black  | Hillside |  | A    | 9400  | 9000  | 7041895            | 545961            | 18          | 500.1       | 303         | 10.5        | 56.4        | 1.2         | 0.2         | 71          | 1.4         | 0.1         |
| 74577      | Till      | Brown  | Hillside |  | A    | 9200  | 9000  | 7041695            | 545970            | 11          | 222.7       | 368         | 8.7         | 49.6        | 0.9         | 0.3         | 93          | 2.6         | 0.1         |
| 74699      | Gravel    | Brown  | Hillside |  | A    | 9400  | 9100  | 7041898            | 546061            | 27          | 442.8       | 469         | 11.4        | 103.8       | 1.8         | 0.2         | 66          | 1.3         | 0.1         |
| 74575      | Till      | Brown  | Hillside |  | A    | 9200  | 9200  | 7041702            | 546169            | 9           | 267.2       | 219         | 13.2        | 121.1       | 2.5         | 0.3         | 30          | 1.7         | 0.1         |
| 74574      | Gravel    | Brown  | Hillside |  | A    | 9200  | 9300  | 7041705            | 546269            | 18          | 568.9       | 304         | 15          | 138         | 3.6         | 0.3         | 49          | 1.6         | 0.1         |
| 74573      | Till      | Grey   | Hillside |  | A    | 9200  | 9400  | 7041709            | 546369            | 3           | 149.2       | 148         | 5.8         | 55.7        | 1.5         | 0.1         | 39          | 0.8         | 0.1         |
| 74572      | Gravel    | Brown  | Hilltop  |  | A    | 9200  | 9500  | 7041712            | 546469            | 9           | 2490.3      | 233         | 18.4        | 174.7       | 7.9         | 0.3         | 20          | 1.6         | 0.1         |
| 74571      | Gravel    | Brown  | Hillside |  | A    | 9200  | 9600  | 7041716            | 546569            | 4           | 109.5       | 74          | 10.5        | 110.6       | 1.1         | 0.2         | 27          | 1           | 0.1         |
| 74570      | Gravel    | Brown  | Hillside |  | A    | 9200  | 9700  | 7041719            | 546669            | 4           | 179.2       | 502         | 20.7        | 114.6       | 1.4         | 0.3         | 40          | 1.1         | 0.1         |
| 74569      | Gravel    | Brown  | Hillside |  | A    | 9200  | 9800  | 7041723            | 546768            | 32          | 1262.6      | 369         | 41          | 167.2       | 3.1         | 0.5         | 21          | 2.3         | 0.1         |
| 74568      | Gravel    | Brown  | Hillside |  | A    | 9200  | 9900  | 7041726            | 546868            | 16          | 753.5       | 169         | 25.9        | 88.8        | 0.8         | 0.2         | 17          | 0.8         | 0           |
| 74587      | Silt      | Brown  | Hillside |  | A    | 9000  | 10200 | 7041537            | 547175            | 5           | 218.3       | 45          | 24.6        | 69.3        | 0.6         | 0.3         | 7           | 0.6         | 0           |
| 74588      | Gravel    | Brown  | Hillside |  | A    | 9000  | 10300 | 7041540            | 547275            | 8           | 268.6       | 95          | 18.3        | 69.5        | 0.8         | 0.2         | 28          | 0.9         | 0.1         |
| 74589      | Gravel    | Brown  | Hillside |  | A    | 9000  | 10400 | 7041544            | 547375            | 6           | 268.3       | 96          | 24.7        | 84.7        | 0.7         | 0.3         | 24          | 0.9         | 0.1         |
| 74590      | Gravel    | Brown  | Hillside |  | A    | 9000  | 10500 | 7041547            | 547475            | 7           | 138.2       | 123         | 21.1        | 73.3        | 0.6         | 0.2         | 40          | 0.7         | 0           |
| 74591      | Gravel    | Brown  | Hillside |  | A    | 9000  | 10600 | 7041551            | 547575            | 6           | 154.4       | 176         | 144.5       | 250.1       | 0.4         | 0.8         | 60          | 0.9         | 0.1         |
| 74592      | Silt      | Brown  | Hillside |  | A    | 9000  | 10700 | 7041554            | 547675            | 5           | 180.3       | 405         | 30.9        | 120.6       | 0.6         | 0.5         | 23          | 2.1         | 0.1         |
| 74714      | Sand      | Orange | Hillside | 30 cm deep organic layer                           | A    | 9600  | 8500  | 7042078            | 545455            | 144         | 185.3       | 1417        | 109.1       | 113.6       | 2.6         | 0.2         | 48          | 0.3         | 0           |
| 74707      | Gravel    | Brown  | Hillside | clasts of chlorite qtz schist                      | A    | 9600  | 9200  | 7042102            | 546155            | 15          | 1118.9      | 270         | 14.2        | 135.9       | 3.8         | 0.2         | 18          | 1.5         | 0.1         |
| 71802      | Silt      | Grey   | Hillside | cross creek at 88+50                               | A    | 9400  | 8800  | 7041888            | 545761            | 10          | 54.5        | 171         | 16.4        | 56.7        | 1           | 0.2         | 49          | 1.1         | 0.1         |
| 74585      | Gravel    | Brown  | Hilltop  | end of line  | A    | 9200  | 8200  | 7041667            | 545171            | 1           | 4.6         | 159         | 32          | 39          | 1.2         | 0.4         | 13          | 0.4         | 0           |
| 74593      | Gravel    | Brown  | Hillside | end of line  | A    | 9000  | 10800 | 7041558            | 547775            | 1           | 66.1        | 233         | 58.2        | 153.8       | 0.3         | 0.6         | 26          | 1.8         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks   | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 71805      | Silt     | Orange | Hillside | from tree root system                                   | A    | 9400  | 8500  | 7041877            | 545461            | 18          | 30.1        | 474         | 20          | 58.3        | 1.1         | 0.2         | 44          | 0.6         | 0.1         |
| 74583      | Till     | Brown  | Hillside | frozen  | A    | 9200  | 8400  | 7041674            | 545371            | 4           | 36.5        | 438         | 22.5        | 63.3        | 4.1         | 0.3         | 55          | 1           | 0.1         |
| 74582      | Gravel   | Brown  | Hillside | frozen  | A    | 9200  | 8500  | 7041677            | 545474            | 2           | 72.7        | 132         | 28.5        | 87.1        | 4.9         | 0.2         | 57          | 1.2         | 0.1         |
| 74579      | Till     | Brown  | Hillside | frozen  | A    | 9200  | 8800  | 7041688            | 545770            | 8           | 76.1        | 288         | 9.8         | 60.3        | 1.5         | 0.2         | 106         | 4.2         | 0.1         |
| 74578      | Till     | Black  | Hillside | frozen  | A    | 9200  | 8880  | 7041691            | 545870            | 13          | 51.8        | 319         | 8.9         | 50.8        | 0.9         | 0.2         | 66          | 2.4         | 0.1         |
| 74576      | Till     | Brown  | Hillside | frozen  | A    | 9200  | 9100  | 7041698            | 546070            | 10          | 358.7       | 326         | 12.3        | 101.8       | 2.1         | 0.3         | 37          | 2           | 0.1         |
| 74715      | Gravel   | Brown  | Hilltop  | granitic clasts   | A    | 9600  | 8400  | 7042075            | 545355            | 64          | 51.3        | 678         | 60.6        | 53.5        | 0.8         | 0.2         | 24          | 0.1         | 0           |
| 74694      | Talus    | Brown  | Hillside | graphite schist talus                                   | A    | 9400  | 9600  | 7041915            | 546561            | 12          | 464.7       | 199         | 18.3        | 151.3       | 2.6         | 0.2         | 33          | 1.2         | 0.1         |
| 74712      | Gravel   | Brown  | Hillside | graphitic qtz schist chips                              | A    | 9600  | 8700  | 7042085            | 545655            | 140         | 270.2       | 449         | 39.2        | 69.2        | 1.8         | 0.2         | 35          | 0.4         | 0.1         |
| 74704      | Silt     | Brown  | Hillside | graphitic schist chips                                  | A    | 9600  | 9500  | 7042112            | 546454            | 6           | 300.7       | 362         | 24.9        | 121.8       | 1.6         | 0.3         | 52          | 1.5         | 0.1         |
| 71808      | Gravel   | Orange | Hilltop  | hit ridge top at 82+30e                                 | A    | 9400  | 8200  | 7041867            | 545161            | 3           | 8.8         | 191         | 13.7        | 38.1        | 0.9         | 0.2         | 32          | 0.6         | 0.1         |
| 74697      | Gravel   | Brown  | Hillside | just about to hit 2nd ridge crest                       | A    | 9400  | 9300  | 7041905            | 546261            | 20          | 643.7       | 223         | 18.3        | 107.7       | 2.6         | 0.2         | 19          | 1.5         | 0.1         |
| 74692      | Gravel   | Brown  | Hillside | just about to ridge crest                               | A    | 9400  | 9800  | 7041922            | 546761            | 2           | 67.5        | 70          | 13.9        | 42.5        | 0.5         | 0.2         | 16          | 0.4         | 0.1         |
| 71806      | Gravel   | Brown  | Hillside | nearing ridge top                                       | A    | 9400  | 8400  | 7041874            | 545361            | 151         | 90.4        | 252         | 12.2        | 50.4        | 2.1         | 0.2         | 58          | 1.7         | 0.1         |
| 74586      | Silt     | Brown  | Hillside | new line  | A    | 9000  | 10100 | 7041533            | 547075            | 12          | 290.7       | 168         | 22.3        | 80.9        | 1           | 0.2         | 38          | 0.8         | 0.1         |
| 74691      | Silt     | Tan    | Hillside | orangy tan, several qtz pebbles,<br>cobbles             | A    | 9400  | 9900  | 7041926            | 546861            | 5           | 267.1       | 45          | 17.8        | 56.2        | 0.8         | 0.2         | 13          | 0.4         | 0           |
| 71803      | Silt     | Orange | Hillside | organic rich clay                                       | A    | 9400  | 8700  | 7041884            | 545661            | 15          | 84.6        | 305         | 30.7        | 45.6        | 1           | 0.4         | 46          | 1.5         | 0.1         |
| 74708      | Gravel   | Brown  | Hillside | organic rich soil with schist clasts<br>above permafsts | A    | 9600  | 9100  | 7042099            | 546055            | 18          | 294.9       | 844         | 10.2        | 83.3        | 1.5         | 0.2         | 119         | 2.6         | 0.1         |
| 74702      | Gravel   | Brown  | Hillside | orthogneiss chips                                       | A    | 9600  | 9700  | 7042119            | 546654            | 10          | 448         | 51          | 8.5         | 85.2        | 0.7         | 0.1         | 10          | 0.6         | 0           |
| 74698      | Gravel   | Brown  | Hillside | past ridge crest @ 92+50                                | A    | 9400  | 9200  | 7041902            | 546161            | 23          | 362.5       | 676         | 17.9        | 123.7       | 1.7         | 0.2         | 85          | 1.2         | 0.1         |
| 74695      | Organic  | Black  | Hillside | permafrost atop of peat but some<br>rock too            | A    | 9400  | 9500  | 7041912            | 546461            | 10          | 177         | 626         | 16.6        | 111         | 1.5         | 0.2         | 132         | 3.3         | 0.1         |
| 74696      | Organic  | Brown  | Hillside | permafrost, some mineral                                | A    | 9400  | 9400  | 7041909            | 546361            | 6           | 141.4       | 384         | 6.3         | 25.7        | 0.7         | 0.1         | 67          | 1.4         | 0           |
| 74703      | Silt     | Brown  | Hillside | permafrost below, moss                                  | A    | 9600  | 9600  | 7042116            | 546554            | 15          | 172.7       | 451         | 10.2        | 88          | 1           | 0.1         | 100         | 1.2         | 0.1         |
| 74713      | Gravel   | Brown  | Hillside | qtz chips   | A    | 9600  | 8600  | 7042082            | 545555            | 106         | 170.2       | 591         | 63.2        | 77.4        | 1.5         | 0.2         | 36          | 0.4         | 0           |
| 74711      | Gravel   | Brown  | Hillside | qtz chips in permafrost                                 | A    | 9600  | 8800  | 7042089            | 545755            | 615         | 125.8       | 727         | 26.6        | 76.5        | 0.8         | 0.1         | 53          | 0.6         | 0           |
| 74705      | Gravel   | Brown  | Hillside | qtz sericite schist clasts                              | A    | 9600  | 9400  | 7042109            | 546354            | 20          | 664.7       | 187         | 9.7         | 124.3       | 2.3         | 0.2         | 25          | 0.8         | 0.1         |
| 74706      | Gravel   | Brown  | Hillside | rusty clasts of qtz sericite schist                     | A    | 9600  | 9300  | 7042105            | 546254            | 55          | 495.3       | 621         | 19.9        | 109.3       | 2.7         | 0.2         | 85          | 1.2         | 0.1         |
| 71804      | Sand     | Brown  | Hillside | sandy soil  | A    | 9400  | 8600  | 7041881            | 545561            | 9           | 182.4       | 288         | 51.3        | 80.5        | 1.5         | 0.3         | 36          | 1           | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 71801      | Silt     | Grey   | Hillside | schist chlorite gpt frags in organic rich soil | A    | 9400  | 8900  | 7041891            | 545861            | 12          | 311.1       | 362         | 9.2         | 54.6        | 1.4         | 0.2         | 54          | 2.2         | 0.1         |
| 71807      | Gravel   | Orange | Hilltop  | several angular qtz pebbles                    | A    | 9400  | 8300  | 7041870            | 545261            | 10          | 16.8        | 110         | 11.9        | 36.8        | 1.1         | 0.2         | 29          | 0.7         | 0.1         |
| 74710      | Sand     | Brown  | Hillside | silicified granitic clasts                     | A    | 9600  | 8900  | 7042092            | 545855            | 21          | 136.6       | 348         | 22.1        | 53.1        | 1           | 0.2         | 54          | 0.5         | 0           |
| 74693      | Gravel   | Grey   | Hillside | soil at base of tree roots                     | A    | 9400  | 9700  | 7041919            | 546661            | 8           | 223.7       | 188         | 28.6        | 81          | 1           | 0.5         | 43          | 1.2         | 0.1         |
| 74709      | Talus    | Black  | Hillside | white qtz & schist clasts in organic rich soil | A    | 9600  | 9000  | 7042095            | 545955            | 41          | 394.7       | 261         | 13.6        | 65.3        | 1.1         | 0.1         | 46          | 0.6         | 0           |
| 74594      | Gravel   | Brown  | Hillside |  | A    | 9200  | 10100 | 7041733            | 547066            | 22          | 512.7       | 64          | 15.1        | 65.2        | 0.7         | 0.2         | 22          | 0.8         | 0           |
| 74717      | Sand     | Brown  | Hillside |  | A    | 9400  | 10200 | 7041936            | 547161            | 15          | 732.1       | 114         | 20          | 66.6        | 0.9         | 0.2         | 30          | 0.4         | 0           |
| 74595      | Gravel   | Brown  | Hillside |  | A    | 9200  | 10200 | 7041737            | 547164            | 12          | 281.9       | 103         | 38.2        | 76.7        | 0.6         | 0.3         | 26          | 0.7         | 0           |
| 74596      | Gravel   | Brown  | Hillside |  | A    | 9200  | 10300 | 7041740            | 547261            | 10          | 238         | 62          | 10.9        | 73.9        | 0.8         | 0.2         | 29          | 0.8         | 0           |
| 71815      | Gravel   | Olive  | Hillside |  | A    | 9800  | 10700 | 7042353            | 547649            | 15          | 300.1       | 144         | 12.7        | 72.8        | 0.9         | 0.2         | 35          | 0.9         | 0.1         |
| 71813      | Gravel   | Grey   | Gulley   | 5 m from creek, gravel                         | A    | 9800  | 10500 | 7042346            | 547448            | 9           | 383.4       | 249         | 34.3        | 113.3       | 1.1         | 0.2         | 42          | 1.6         | 0.1         |
| 74722      | Sand     | Brown  | Hillside | bull qtz & qtz sericite schist chips           | A    | 9400  | 10700 | 7041954            | 547659            | 6           | 92.3        | 56          | 16.1        | 67.5        | 0.7         | 0.2         | 42          | 0.5         | 0           |
| 74724      | Sand     | Brown  | Hillside | chips of graphitic qtz-schist                  | A    | 9400  | 10900 | 7041961            | 547859            | 2           | 28.3        | 101         | 19.7        | 76.6        | 0.5         | 0.3         | 31          | 0.6         | 0           |
| 74716      | Gravel   | Brown  | Hillside | chips of graphitic schist                      | A    | 9400  | 10100 | 7041933            | 547061            | 44          | 2147.3      | 114         | 12.6        | 87.8        | 1.5         | 0.2         | 14          | 0.7         | 0           |
| 74723      | Gravel   | Brown  | Hillside | chlorite schist & quartz clasts                | A    | 9400  | 10800 | 7041957            | 547759            | 3           | 41.2        | 69          | 51.9        | 170         | 0.4         | 0.4         | 30          | 1           | 0.1         |
| 74597      | Gravel   | Brown  | Hillside | frozen   | A    | 9200  | 10400 | 7041744            | 547359            | 7           | 128.2       | 47          | 9           | 59.9        | 0.5         | 0.1         | 19          | 0.6         | 0           |
| 74598      | Gravel   | Brown  | Hillside | frozen   | A    | 9200  | 10500 | 7041748            | 547457            | 9           | 145.6       | 94          | 10.6        | 56.4        | 0.5         | 0.2         | 23          | 0.6         | 0.1         |
| 74599      | Gravel   | Brown  | Hillside | frozen   | A    | 9200  | 10600 | 7041751            | 547555            | 5           | 101.6       | 63          | 8.4         | 52.2        | 0.5         | 0.1         | 34          | 0.5         | 0           |
| 71829      | Gravel   | Brown  | Hillside | frozen   | A    | 9200  | 10700 | 7041755            | 547652            | 5           | 127.9       | 80          | 10.1        | 52.6        | 0.5         | 0.2         | 29          | 0.5         | 0           |
| 71830      | Gravel   | Brown  | Hillside | frozen   | A    | 9200  | 10800 | 7041758            | 547750            | 9           | 81.6        | 68          | 10.6        | 61.2        | 0.6         | 0.2         | 34          | 0.7         | 0.1         |
| 71831      | Gravel   | Brown  | Hillside | frozen   | A    | 9200  | 10900 | 7041762            | 547848            | 5           | 30.8        | 95          | 13.7        | 87.4        | 0.6         | 0.2         | 26          | 0.9         | 0           |
| 74718      | Gravel   | Brown  | Hillside | granitic clasts                                | A    | 9400  | 10300 | 7041940            | 547260            | 9           | 147.6       | 303         | 22.4        | 34          | 0.3         | 0.1         | 33          | 0.4         | 0           |
| 74721      | Gravel   | Brown  | Hillside | granitic schist & qtz chips                    | A    | 9400  | 10600 | 7041950            | 547560            | 3           | 132.6       | 240         | 19.7        | 61.5        | 0.5         | 0.2         | 19          | 0.3         | 0           |
| 74720      | Gravel   | Brown  | Hillside | granitic schist clasts                         | A    | 9400  | 10500 | 7041947            | 547460            | 3           | 142.8       | 197         | 26.1        | 102.4       | 0.3         | 0.3         | 28          | 0.6         | 0           |
| 71810      | Talus    | Brown  | Hillside | many schist frags, some qtz & orthogneiss      | A    | 9800  | 10200 | 7042336            | 547148            | 16          | 476.4       | 432         | 18.5        | 85.1        | 0.6         | 0.2         | 52          | 1.2         | 0.1         |
| 71811      | Talus    | Grey   | Hillside | micaceous                                      | A    | 9800  | 10300 | 7042339            | 547248            | 15          | 517.4       | 301         | 32.8        | 94.7        | 0.9         | 0.3         | 37          | 1.3         | 0.1         |
| 71812      | Gravel   | Tan    | Hillside | micaceous                                      | A    | 9800  | 10400 | 7042343            | 547348            | 16          | 467.2       | 350         | 67.2        | 153.1       | 1.1         | 0.4         | 39          | 1.5         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks   | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 71809      | Gravel   | Tan    | Hillside | micaceous, many muscovite chlorite schist frags   | A    | 9800  | 10100 | 7042332            | 547047            | 5           | 109.4       | 358         | 31.5        | 129.5       | 0.3         | 0.3         | 31          | 1.5         | 0.1         |
| 74719      | Gravel   | Brown  | Hillside | mix of schist & granitic chips                    | A    | 9400  | 10400 | 7041943            | 547360            | 5           | 224.8       | 58          | 20.9        | 65          | 0.5         | 0.1         | 13          | 0.3         | 0           |
| 74725      | Sand     | Brown  | Hillside | mostly organics, some mineral above permafrost    | A    | 9800  | 9900  | 7042326            | 546847            | 4           | 30.7        | 225         | 40.6        | 163.4       | 0.2         | 0.4         | 61          | 0.6         | 0           |
| 71814      | Gravel   | Tan    | Hillside | passed creek at 105+30                            | A    | 9800  | 10600 | 7042350            | 547549            | 9           | 262.2       | 130         | 18.8        | 89.2        | 0.7         | 0.3         | 17          | 0.8         | 0.1         |
| 71840      | Silt     | Brown  | Hillside |   | A    | 10000 | 9100  | 7042498            | 546041            | 5           | 17.7        | 51          | 9.7         | 48.8        | 0.8         | 0.2         | 28          | 0.5         | 0.1         |
| 71839      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9200  | 7042502            | 546141            | 3           | 12          | 69          | 7.9         | 43.5        | 0.6         | 0.2         | 30          | 0.3         | 0.1         |
| 71838      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9300  | 7042505            | 546241            | 3           | 19.7        | 86          | 7.9         | 37.9        | 0.5         | 0.2         | 18          | 0.1         | 0           |
| 71837      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9400  | 7042509            | 546341            | 6           | 23.6        | 75          | 7.4         | 38.8        | 0.6         | 0.2         | 25          | 0.3         | 0           |
| 71836      | Silt     | Brown  | Hillside |   | A    | 10000 | 9500  | 7042512            | 546441            | 3           | 22.5        | 59          | 9.1         | 45.1        | 0.6         | 0.2         | 19          | 0.4         | 0           |
| 71835      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9600  | 7042515            | 546540            | 10          | 343.8       | 73          | 11.6        | 64.4        | 0.7         | 0.2         | 21          | 0.8         | 0.2         |
| 71834      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9700  | 7042519            | 546640            | 42          | 795.1       | 203         | 11.6        | 58.8        | 0.9         | 0.2         | 31          | 1.1         | 0.1         |
| 71833      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9800  | 7042522            | 546740            | 20          | 1334.1      | 170         | 19.7        | 49.6        | 1.3         | 0.4         | 9           | 0.5         | 0.1         |
| 71832      | Gravel   | Brown  | Hillside |   | A    | 10000 | 9900  | 7042525            | 546840            | 3           | 268.9       | 48          | 36.7        | 208.4       | 0.3         | 0.3         | 14          | 0.8         | 0.1         |
| 71821      | Gravel   | Brown  | Hillside |   | A    | 10000 | 10300 | 7042539            | 547240            | 21          | 367.5       | 298         | 18.1        | 59.6        | 1           | 0.2         | 34          | 1.1         | 0.2         |
| 71822      | Gravel   | Orange | Hillside |   | A    | 10000 | 10400 | 7042543            | 547340            | 13          | 754.1       | 132         | 12.9        | 89.7        | 1.3         | 0.2         | 25          | 1.1         | 0.1         |
| 71866      | Gravel   | Tan    | Hillside |   | A    | 9600  | 10400 | 7042143            | 547356            | 18          | 334.8       | 55          | 12.3        | 70.7        | 0.7         | 0.2         | 22          | 0.5         | 0.1         |
| 71824      | Gravel   | Brown  | Hillside | beneath the roots, qtz frags                      | A    | 10000 | 10600 | 7042550            | 547539            | 16          | 343.4       | 354         | 11.3        | 55.9        | 1.6         | 0.2         | 26          | 1.1         | 0.1         |
| 71826      | Gravel   | Brown  | Hillside | brownish orange, very different colour since last | A    | 10000 | 10800 | 7042557            | 547739            | 2           | 41.2        | 47          | 13.3        | 61.9        | 0.8         | 0.2         | 16          | 0.9         | 0.1         |
| 74731      | Sand     | Brown  | Gulley   | bull qtz with muscovite, schist in thick org. lay | A    | 9800  | 9300  | 7042306            | 546248            | 19          | 65.6        | 123         | 3.2         | 14.4        | 1.4         | 0.1         | 89          | 2.3         | 0.1         |
| 71841      | Silt     | Brown  | Hillside | end of line                                       | A    | 10000 | 9000  | 7042495            | 545941            | 2           | 15.4        | 58          | 9.1         | 37.2        | 0.5         | 0.2         | 13          | 0.2         | 0.1         |
| 71819      | Gravel   | Tan    | Hillside | few qtz cobbles/pebbles                           | A    | 10000 | 10100 | 7042532            | 547040            | 16          | 258.2       | 230         | 17.6        | 71.3        | 1.2         | 0.2         | 50          | 1.5         | 0.1         |
| 71869      | Gravel   | Brown  | Hillside | frags of rusty orthogneiss                        | A    | 9600  | 10700 | 7042153            | 547658            | 13          | 242.3       | 65          | 17.3        | 69          | 0.6         | 0.3         | 34          | 0.6         | 0.1         |
| 74738      | Gravel   | Brown  | Hillside | granitic & schist chips                           | A    | 9800  | 8600  | 7042282            | 545548            | 12          | 121.5       | 279         | 83.7        | 82.9        | 1.4         | 0.2         | 31          | 0.5         | 0.1         |
| 74737      | Gravel   | Brown  | Hillside | granitic clasts                                   | A    | 9800  | 8700  | 7042285            | 545648            | 21          | 205.9       | 505         | 24.5        | 35.2        | 1           | 0.2         | 37          | 0.5         | 0.1         |
| 74735      | Gravel   | Brown  | Hillside | granitic clasts                                   | A    | 9800  | 8900  | 7042292            | 545848            | 27          | 468.3       | 321         | 11.3        | 32.2        | 0.9         | 0.2         | 43          | 0.8         | 0.1         |
| 74732      | Talus    | Brown  | Hillside | granitic clasts                                   | A    | 9800  | 9200  | 7042302            | 546148            | 34          | 350.5       | 115         | 9.1         | 44.1        | 0.9         | 0.2         | 39          | 0.9         | 0.1         |
| 74733      | Gravel   | Brown  | Hillside | graphitic qtz schist clasts                       | A    | 9800  | 9100  | 7042299            | 546048            | 23          | 911.9       | 196         | 9.9         | 84.2        | 1.1         | 0.2         | 38          | 1           | 0.1         |
| 74734      | Sand     | Brown  | Hillside | graphitic schist                                  | A    | 9800  | 9000  | 7042295            | 545948            | 22          | 543.1       | 59          | 10.4        | 64          | 1           | 0.2         | 23          | 0.5         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks                                 | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74728      | Sand     | Brown  | Hillside | just above permafrost                   | A    | 9800  | 9600  | 7042316            | 546547            | 9           | 233.8       | 148         | 9.1         | 87.2        | 0.5         | 0.4         | 33          | 0.5         | 0           |
| 71820      | Gravel   | Brown  | Hillside | lt brown soil                           | A    | 10000 | 10200 | 7042536            | 547140            | 9           | 132.7       | 76          | 16.5        | 58.8        | 0.8         | 0.2         | 30          | 1           | 0.1         |
| 71863      | Silt     | Brown  | Hillside | micaceous                               | A    | 9600  | 10100 | 7042133            | 547055            | 12          | 193.8       | 82          | 9.6         | 66.6        | 0.3         | 0.2         | 14          | 0.5         | 0           |
| 71864      | Silt     | Brown  | Hillside | micaceous                               | A    | 9600  | 10200 | 7042136            | 547155            | 11          | 556.8       | 328         | 31.7        | 107.9       | 0.7         | 0.3         | 28          | 1           | 0.1         |
| 71867      | Silt     | Tan    | Hillside | micaceous                               | A    | 9600  | 10500 | 7042146            | 547457            | 9           | 206.1       | 98          | 21.3        | 79.9        | 0.7         | 0.2         | 34          | 0.8         | 0.1         |
| 71828      | Gravel   | Brown  | Hillside | orange brown soil                       | A    | 10000 | 11000 | 7042564            | 547939            | 9           | 131.9       | 57          | 19.3        | 67.5        | 0.8         | 0.2         | 19          | 0.5         | 0.1         |
| 71865      | Gravel   | Brown  | Hillside | orthogneiss frags                       | A    | 9600  | 10300 | 7042139            | 547256            | 14          | 417.4       | 107         | 13.1        | 68.1        | 0.6         | 0.2         | 28          | 0.4         | 0.1         |
| 71868      | Silt     | Tan    | Hillside | passed claim line at 105+20             | A    | 9600  | 10600 | 7042150            | 547557            | 5           | 59.7        | 76          | 16.8        | 60.2        | 0.5         | 0.2         | 24          | 0.5         | 0           |
| 71870      | Silt     | Olive  | Hillside | passed soil contour at 107+75           | A    | 9600  | 10800 | 7042157            | 547758            | 3           | 38.4        | 233         | 42.2        | 169.3       | 0.2         | 0.3         | 25          | 2.4         | 0.1         |
| 71871      | Gravel   | Orange | Hillside | permafrost, muscovite schist frags      | A    | 9600  | 10900 | 7042160            | 547859            | 4           | 67.4        | 233         | 72          | 79.3        | 0.4         | 0.8         | 38          | 2           | 0.1         |
| 71823      | Gravel   | Brown  | Hillside | qtz & granite frags                     | A    | 10000 | 10500 | 7042546            | 547440            | 9           | 112         | 113         | 11.5        | 52.9        | 1           | 0.2         | 38          | 1.9         | 0.1         |
| 74727      | Sand     | Brown  | Hillside | qtz chips                               | A    | 9800  | 9700  | 7042319            | 546647            | 11          | 270         | 74          | 9.6         | 89.5        | 0.6         | 0.2         | 26          | 0.7         | 0           |
| 74730      | Talus    | Black  | Hillside | qtz chips & silicified graphitic schist | A    | 9800  | 9400  | 7042309            | 546347            | 3           | 74.8        | 85          | 6           | 64.2        | 0.7         | 0.2         | 39          | 0.7         | 0.1         |
| 74726      | Gravel   | Brown  | Hillside | qtz muscovite, schist clasts            | A    | 9800  | 9780  | 7042322            | 546747            | 7           | 148.3       | 166         | 11.7        | 102.4       | 0.4         | 0.2         | 48          | 0.6         | 0.1         |
| 71825      | Gravel   | Orange | Hillside | rounding ridge 11 to slope              | A    | 10000 | 10700 | 7042553            | 547639            | 13          | 72.6        | 108         | 18.5        | 56.8        | 1           | 0.2         | 23          | 1.5         | 0.1         |
| 74729      | Gravel   | Grey   | Hillside | sericite qtz schist clasts              | A    | 9800  | 9500  | 7042312            | 546447            | 2           | 9.8         | 11          | 4.2         | 63.8        | 0.2         | 0.1         | 14          | 0.3         | 0.1         |
| 74736      | Gravel   | Brown  | Hillside | silicified qtz schist clasts            | A    | 9800  | 8800  | 7042289            | 545748            | 24          | 368.6       | 67          | 11.3        | 33.1        | 1           | 0.2         | 29          | 0.5         | 0.1         |
| 71827      | Gravel   | Brown  | Hillside | tan colour                              | A    | 10000 | 10900 | 7042560            | 547839            | 2           | 33.1        | 48          | 10.5        | 43.2        | 0.7         | 0.3         | 22          | 0.6         | 0.1         |
| 74748      | Gravel   | Brown  | Hillside |   | A    | 0     | 0     | 7042025            | 548310            | 0           | 6.8         | 31          | 5           | 27.8        | 0.1         | 0.1         | 8           | 0.3         | 0           |
| 71818      | Gravel   | Grey   | Hillside |   | A    | 0     | 0     | 7042210            | 548975            | 7           | 112         | 416         | 21          | 66.3        | 0.5         | 0.4         | 33          | 1.3         | 0.1         |
| 71872      | Gravel   | Brown  | Hillside |   | A    | 0     | 0     | 7042295            | 548975            | 2           | 144.8       | 271         | 15.4        | 105.8       | 1.2         | 0.3         | 27          | 0.7         | 0.1         |
| 74747      | Gravel   | Brown  | Hillside | chlorite biotite schist clasts          | A    | 0     | 0     | 7041960            | 548205            | 1           | 16.6        | 37          | 4.2         | 82.3        | 0.3         | 0.1         | 16          | 0.4         | 0           |
| 71816      | Gravel   | Brown  | Hillside | most mtl here graphitic schist          | A    | 0     | 0     | 7042045            | 548980            | 2           | 112.5       | 948         | 25.5        | 89.8        | 0.7         | 0.6         | 39          | 0.9         | 0.1         |
| 74744      | Gravel   | Brown  | Hillside | muscovite qtz schist clasts             | A    | 0     | 0     | 7041680            | 548295            | 14          | 153.7       | 455         | 13.4        | 102.7       | 0.7         | 0.2         | 55          | 0.7         | 0.1         |
| 71817      | Talus    | Grey   | Hillside | nearing gulley on valley wall           | A    | 0     | 0     | 7042125            | 548980            | 11          | 247.9       | 1640        | 94.3        | 410.9       | 4.2         | 1.2         | 62          | 6.8         | 0.3         |
| 71873      | Gravel   | Brown  | Hillside | no 105+00 sample                        | A    | 0     | 0     | 7042450            | 548910            | 20          | 1208.9      | 370         | 24.9        | 156         | 3.3         | 0.4         | 15          | 5.2         | 0.3         |
| 74745      | Gravel   | Brown  | Hillside | orthogneiss (very chloritic) clasts     | A    | 0     | 0     | 7041750            | 548220            | 8           | 120.1       | 213         | 20.2        | 85.5        | 0.7         | 0.3         | 25          | 0.6         | 0.1         |
| 74743      | Gravel   | Brown  | Hillside | orthogneiss clasts                      | A    | 0     | 0     | 7041575            | 548330            | 3           | 38.3        | 125         | 14.5        | 80.6        | 0.6         | 0.2         | 27          | 0.7         | 0.1         |
| 74742      | Gravel   | Brown  | Hillside | orthogneiss clasts                      | A    | 0     | 0     | 7041475            | 548370            | 5           | 174.3       | 181         | 14.2        | 87.4        | 0.6         | 0.2         | 22          | 0.5         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks   | Grid | North | East | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74741      | Sand     | Brown  | Hillside | qtz chlorite schist chips                       | A    | 0     | 0    | 7041390            | 548425            | 6           | 100.1       | 136         | 16.9        | 83.6        | 0.6         | 0.2         | 22          | 0.5         | 0.1         |
|            |          |        |          | qtz muscovite schist or granitic<br>orthogneiss | A    | 0     | 0    | 7041860            | 548170            | 1           | 27.1        | 26          | 7.4         | 56.6        | 0.5         | 0.1         | 11          | 0.5         | 0.1         |
| 74739      | Talus    | Brown  | Hillside | rhyolitic clasts                                | A    | 0     | 0    | 7041230            | 548510            | 3           | 44.8        | 863         | 56.6        | 104.3       | 0.7         | 1.2         | 35          | 0.5         | 0.1         |
| 71874      | Gravel   | Grey   | Hillside | rounded ridge                                   | A    | 0     | 0    | 7042495            | 548810            | 9           | 105         | 273         | 16.6        | 33.1        | 0.6         | 0.3         | 27          | 2           | 0.1         |
| 74740      | Sand     | Brown  | Hillside | small schist chips                              | A    | 0     | 0    | 7041300            | 548460            | 1           | 46.3        | 382         | 14.3        | 96.7        | 0.6         | 0.2         | 24          | 0.5         | 0.1         |
| 73100      | Silt     | Brown  | Hilltop  |   | B    | 0     | 0    | 7039770            | 545465            | 1           | 7.3         | 52          | 11          | 82          | 0.6         | 0.3         | 26          | 0.3         | 0           |
| 73102      | Bedrock  | Orange | Hilltop  |   | B    | 0     | 0    | 7039575            | 545470            | 1           | 3.3         | 11          | 7           | 48.5        | 0.5         | 0.2         | 13          | 0.2         | 0           |
| 73101      | Silt     | Brown  | Hillside |   | B    | 0     | 0    | 7039680            | 545470            | 0           | 7.9         | 22          | 34.5        | 56.4        | 0.5         | 0.6         | 12          | 0.1         | 0           |
| 71879      | Silt     | Brown  | Hillside |   | B    | 0     | 0    | 7039885            | 545470            | 2           | 4.3         | 118         | 10          | 34.6        | 0.4         | 0.2         | 22          | 0.4         | 0           |
| 71878      | Silt     | Orange | Hillside |   | B    | 0     | 0    | 7039980            | 545470            | 0           | 14.1        | 44          | 11.4        | 70          | 0.9         | 0.2         | 25          | 0.3         | 0.1         |
| 71842      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7040270            | 545470            | 1           | 16.7        | 35          | 13.3        | 64.6        | 0.7         | 0.2         | 25          | 0.4         | 0           |
| 71843      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7040365            | 545485            | 0           | 9.2         | 10          | 6.9         | 52.6        | 0.5         | 0.1         | 16          | 0.2         | 0           |
| 71844      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7040465            | 545515            | 2           | 2.9         | 53          | 4.4         | 56.2        | 0.2         | 0.1         | 8           | 0.2         | 0           |
| 71845      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7040555            | 545545            | 1           | 6.7         | 96          | 10.2        | 42.8        | 0.4         | 0.2         | 29          | 0.5         | 0           |
| 71846      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7040635            | 545570            | 2           | 8.3         | 41          | 9.9         | 46.7        | 0.6         | 0.2         | 17          | 0.2         | 0           |
| 71847      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7040745            | 545590            | 1           | 118.8       | 73          | 11.3        | 43.2        | 0.9         | 0.2         | 15          | 0.3         | 0           |
| 71848      | Gravel   | Brown  | Hillside |   | B    | 0     | 0    | 7040840            | 545610            | 1           | 36.4        | 290         | 25.1        | 42.8        | 0.9         | 0.3         | 29          | 0.4         | 0           |
| 71849      | Gravel   | Brown  | Hillside |   | B    | 0     | 0    | 7040935            | 545630            | 3           | 116         | 462         | 42.9        | 62.7        | 2.2         | 0.2         | 33          | 0.3         | 0           |
| 71850      | Gravel   | Brown  | Hilltop  |   | B    | 0     | 0    | 7041030            | 545650            | 3           | 82          | 160         | 11.9        | 46.3        | 1           | 0.2         | 18          | 0.3         | 0.1         |
| 71877      | Silt     | Grey   | Hilltop  | cobbles of granitic orthogneiss                 | B    | 0     | 0    | 7040075            | 545465            | 1           | 9.7         | 224         | 19.7        | 62.1        | 0.5         | 0.3         | 63          | 0.4         | 0           |
| 74749      | Sand     | Orange | Hillside | dark orange, no chips or clasts                 | B    | 0     | 0    | 7041140            | 545130            | 4           | 7.5         | 48          | 10          | 42.6        | 0.8         | 0.2         | 20          | 0.4         | 0           |
| 71851      | Gravel   | Brown  | Hilltop  | end of line                                     | B    | 0     | 0    | 7041120            | 545695            | 3           | 34.2        | 419         | 18.5        | 60.6        | 0.9         | 0.2         | 43          | 0.5         | 0.1         |
| 74750      | Gravel   | Brown  | Hillside | granitic chips                                  | B    | 0     | 0    | 7041050            | 545190            | 2           | 12          | 92          | 13.1        | 50.7        | 1           | 0.2         | 34          | 0.6         | 0.1         |
| 74751      | Gravel   | Brown  | Hillside | granitic chips                                  | B    | 0     | 0    | 7040975            | 545250            | 2           | 128.1       | 91          | 20.4        | 60.3        | 1.9         | 0.5         | 20          | 0.7         | 0.1         |
| 74757      | Silt     | Black  | Hillside | granitic clasts with minor py                   | B    | 0     | 0    | 7040785            | 544875            | 2           | 4.3         | 144         | 12          | 74.2        | 0.6         | 0.2         | 96          | 0.7         | 0.1         |
| 74756      | Gravel   | Brown  | Hillside | muscovite schist and granitic clasts            | B    | 0     | 0    | 7040800            | 544980            | 2           | 26.4        | 110         | 35.7        | 124.1       | 0.6         | 0.2         | 44          | 0.7         | 0           |
| 74755      | Gravel   | Brown  | Hillside | orange rusty m.g. granitic clasts               | B    | 0     | 0    | 7040810            | 545075            | 2           | 26          | 86          | 14.6        | 82          | 0.8         | 0.2         | 45          | 0.8         | 0           |
| 71876      | Silt     | Brown  | Hilltop  | ridge soil line                                 | B    | 0     | 0    | 7040170            | 545470            | 1           | 13.2        | 102         | 10.6        | 66          | 0.7         | 0.2         | 16          | 0.2         | 0.1         |
| 74752      | Gravel   | Brown  | Hillside | rusty qtz sericite schist                       | B    | 0     | 0    | 7040900            | 545305            | 1           | 33.9        | 123         | 12.6        | 65.5        | 0.9         | 0.3         | 43          | 0.6         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks   | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74754      | Silt     | Brown  | Hillside | silt in pocket between tufts of grass           | B    | 0     | 0     | 7040820            | 545180            | 5           | 6.4         | 84          | 11.3        | 88.3        | 0.4         | 0.2         | 52          | 0.5         | 0           |
| 74753      | Silt     | Brown  | Hillside | silt in pocket between tufts of grass           | B    | 0     | 0     | 7040843            | 545275            | 2           | 9.7         | 104         | 9.5         | 42.7        | 0.3         | 0.2         | 57          | 0.5         | 0           |
| 71853      | Till     | Brown  | Hillside |   | B    | 9200  | 9100  | 7035769            | 547228            | 1           | 11.5        | 78          | 12.5        | 71.3        | 0.7         | 0.4         | 31          | 0.5         | 0.1         |
| 71855      | Silt     | Brown  | Hilltop  |   | B    | 9200  | 9300  | 7035776            | 547428            | 8           | 13.8        | 34          | 10.9        | 64.9        | 0.9         | 0.2         | 34          | 0.5         | 0           |
| 71856      | Gravel   | Brown  | Hilltop  |   | B    | 9200  | 9400  | 7035779            | 547528            | 4           | 8           | 36          | 9.9         | 66.5        | 0.6         | 0.2         | 34          | 0.5         | 0           |
| 71857      | Gravel   | Brown  | Hillside |   | B    | 9200  | 9500  | 7035783            | 547628            | 13          | 10.9        | 22          | 10.8        | 67.3        | 0.6         | 0.2         | 20          | 0.4         | 0.1         |
| 71858      | Gravel   | Brown  | Hillside |   | B    | 9200  | 9600  | 7035786            | 547727            | 2           | 3.9         | 45          | 9.6         | 46.6        | 0.4         | 0.4         | 20          | 0.3         | 0           |
| 71859      | Till     | Brown  | Hillside |   | B    | 9200  | 9700  | 7035790            | 547827            | 1           | 6           | 43          | 8.7         | 59.7        | 0.4         | 0.2         | 23          | 0.3         | 0           |
| 71860      | Gravel   | Brown  | Hillside |   | B    | 9200  | 9800  | 7035793            | 547927            | 1           | 4.1         | 162         | 7           | 35.7        | 0.3         | 0.2         | 37          | 0.4         | 0           |
| 71861      | Silt     | Brown  | Hillside |   | B    | 9200  | 9900  | 7035797            | 548027            | 8           | 6.5         | 72          | 8.9         | 92.9        | 0.5         | 0.2         | 29          | 0.4         | 0.1         |
| 73122      | Talus    | Brown  | Hillside |   | B    | 11900 | 10000 | 7038498            | 548033            | 1           | 129.2       | 247         | 26.4        | 82.9        | 1.5         | 0.3         | 27          | 0.5         | 0.1         |
| 73118      | Talus    | Brown  | Hillside |   | B    | 11500 | 10000 | 7038098            | 548047            | 3           | 122.6       | 78          | 19.8        | 95.2        | 2.3         | 0.2         | 15          | 0.9         | 0.1         |
| 73115      | Silt     | Brown  | Hillside |   | B    | 11200 | 10000 | 7037799            | 548058            | 12          | 113.3       | 170         | 35.4        | 118.9       | 0.7         | 0.2         | 35          | 0.9         | 0           |
| 73112      | Gravel   | Grey   | Hilltop  |   | B    | 10900 | 10000 | 7037499            | 548068            | 3           | 6.3         | 202         | 17.8        | 71.8        | 0.4         | 0.7         | 37          | 0.4         | 0           |
| 73109      | Talus    | Brown  | Hillside |   | B    | 10600 | 10000 | 7037199            | 548078            | 3           | 7.4         | 33          | 7.6         | 56.9        | 0.5         | 0.1         | 20          | 0.3         | 0           |
| 73106      | Gravel   | Orange | Hillside |   | B    | 10300 | 10000 | 7036899            | 548089            | 3           | 16.8        | 76          | 11.6        | 55.7        | 0.4         | 0.2         | 18          | 0.2         | 0           |
| 73105      | Silt     | Green  | Hillside |   | B    | 10200 | 10000 | 7036799            | 548092            | 25          | 40.2        | 105         | 11.6        | 56.4        | 0.5         | 0.2         | 22          | 0.3         | 0           |
| 73104      | Gravel   | Green  | Hillside |   | B    | 10100 | 10000 | 7036699            | 548096            | 16          | 52          | 263         | 16.8        | 63.8        | 0.6         | 0.2         | 53          | 0.6         | 0           |
| 71885      | Till     | Brown  | Hillside |   | B    | 9400  | 10000 | 7036000            | 548120            | 8           | 47.2        | 122         | 13.4        | 67.4        | 0.6         | 0.2         | 36          | 0.8         | 0           |
| 71886      | Till     | Brown  | Hillside |   | B    | 9300  | 10000 | 7035900            | 548124            | 3           | 6.8         | 120         | 9.2         | 63.4        | 0.5         | 0.2         | 38          | 0.3         | 0           |
| 71862      | Till     | Brown  | Hillside |   | B    | 9200  | 10000 | 7035800            | 548127            | 3           | 6.7         | 236         | 10.5        | 78.9        | 0.5         | 0.2         | 62          | 0.4         | 0.1         |
| 73110      | Silt     | Orange | Hillside | 100 metres down from ridgetop                   | B    | 10700 | 10000 | 7037299            | 548075            | 0           | 4.2         | 41          | 9.1         | 63.2        | 0.4         | 0.2         | 12          | 0.2         | 0           |
| 73124      | Talus    | Red    | Hillside | angular cobbles of qtz feldspar biotite schist  | B    | 12100 | 10000 | 7038698            | 548026            | 2           | 71.3        | 222         | 37.4        | 73.9        | 1.1         | 0.4         | 45          | 0.4         | 0.1         |
| 73108      | Silt     | Brown  | Hillside | biot schist in quartz boudins                   | B    | 10500 | 10000 | 7037099            | 548082            | 2           | 3.6         | 187         | 8.5         | 61.7        | 0.4         | 0.3         | 55          | 0.2         | 0           |
| 73125      | Silt     | Brown  | Hillside | chunk of hornfelsed qtz feldspar biotite schist | B    | 12200 | 10000 | 7038798            | 548023            | 1           | 18.3        | 86          | 18.9        | 54.7        | 0.8         | 0.3         | 20          | 0.3         | 0.1         |
| 71852      | Till     | Brown  | Hillside | end of line                                     | B    | 9200  | 9000  | 7035765            | 547128            | 3           | 6.6         | 124         | 9           | 55.9        | 0.5         | 0.2         | 37          | 0.4         | 0           |
| 73117      | Silt     | Grey   | Hillside | feldspar origin orthogneiss                     | B    | 11400 | 10000 | 7037999            | 548051            | 7           | 35          | 327         | 55.8        | 61.9        | 0.6         | 0.4         | 50          | 0.5         | 0           |
| 71881      | Silt     | Black  | Hillside | frozen  | B    | 9800  | 10000 | 7036400            | 548106            | 30          | 251.1       | 223         | 38.1        | 138.7       | 0.8         | 0.2         | 45          | 0.7         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks                                | Grid | North | East  | UTM 83   | UTM 83  | Au    | As    | Ag    | Pb    | Zn    | Sb    | Bi    | Hg    | Se    | Te    |
|------------|----------|--------|----------|--|------|-------|-------|----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |          |        |          |  |      |       |       | Northing | Easting | (ppb) | (ppm) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppb) | (ppm) | (ppm) |
| 71882      | Gravel   | Black  | Hillside | frozen                                 | B    | 9700  | 10000 | 7036300  | 548110  | 19    | 195.5 | 166   | 21.1  | 85.7  | 0.8   | 0.2   | 32    | 0.7   | 0     |
| 71883      | Silt     | Black  | Hillside | frozen                                 | B    | 9600  | 10000 | 7036200  | 548113  | 5     | 75.8  | 101   | 15.2  | 80.1  | 0.5   | 0.1   | 35    | 0.7   | 0.1   |
| 71884      | Silt     | Black  | Hillside | frozen                                 | B    | 9500  | 10000 | 7036100  | 548117  | 8     | 106.3 | 122   | 15.7  | 82.7  | 0.6   | 0.2   | 33    | 0.8   | 0     |
| 73107      | Talus    | Brown  | Hillside | just crossed out of gulley on hillside | B    | 10400 | 10000 | 7036999  | 548085  | 33    | 24.4  | 83    | 10.9  | 46.7  | 0.4   | 0.2   | 14    | 0.1   | 0     |
| 73116      | Silt     | Grey   | Hillside | micaceous                              | B    | 11300 | 10000 | 7037899  | 548054  | 6     | 63.9  | 190   | 34.3  | 99.1  | 0.6   | 0.1   | 30    | 1.1   | 0     |
| 71854      | Till     | Brown  | Hilltop  | mostly rock talus                      | B    | 9200  | 9200  | 7035772  | 547328  | 0     | 4     | 31    | 4.9   | 18.1  | 0.4   | 0.1   | 16    | 0.3   | 0     |
| 73121      | Silt     | Brown  | Hillside | near gulley (~25m)                     | B    | 11800 | 10000 | 7038398  | 548037  | 24    | 180.4 | 675   | 66.2  | 81.5  | 1.2   | 0.4   | 45    | 0.8   | 0.1   |
| 73114      | Silt     | Brown  | Hillside | near permafrost                        | B    | 11100 | 10000 | 7037699  | 548061  | 3     | 6     | 89    | 15    | 77    | 0.6   | 0.2   | 43    | 0.6   | 0     |
| 73113      | Silt     | Brown  | Hillside | near top of ridge                      | B    | 11000 | 10000 | 7037599  | 548065  | 3     | 3.4   | 55    | 17.3  | 82.5  | 0.4   | 0.3   | 26    | 0.1   | 0     |
| 73111      | Silt     | Orange | Hilltop  | no rock, silty                         | B    | 10800 | 10000 | 7037399  | 548072  | 2     | 7.9   | 36    | 11.1  | 42.5  | 0.6   | 0.2   | 12    | 0.3   | 0     |
| 73103      | Silt     |        |          | origin                                 | B    | 10000 | 10000 | 7036599  | 548099  | 10    | 85.2  | 239   | 23.7  | 97.8  | 0.7   | 0.5   | 67    | 0.5   | 0     |
| 73120      | Silt     | Brown  | Hillside | qtz chips & muscovite schist           | B    | 11700 | 10000 | 7038298  | 548040  | 5     | 113.3 | 550   | 82.4  | 98.6  | 1.5   | 0.3   | 71    | 1.1   | 0.1   |
| 73119      | Talus    | Orange | Hillside | qtz feldspar biotite schist frags      | B    | 11600 | 10000 | 7038198  | 548044  | 4     | 160.3 | 90    | 41.3  | 104.5 | 2.4   | 0.3   | 20    | 0.6   | 0.1   |
| 73123      | Talus    | Orange | Hillside | qtzite frags and biotite schist        | B    | 12000 | 10000 | 7038598  | 548030  | 3     | 178.3 | 216   | 91.9  | 96    | 2.2   | 0.6   | 16    | 0.5   | 0.1   |
| 73134      | Talus    | Green  | Hillside |  | B    | 12000 | 9100  | 7038567  | 547128  | 2     | 6.5   | 104   | 9.6   | 57.2  | 0.5   | 0.2   | 52    | 0.3   | 0     |
| 71895      | Gravel   | Black  | Hillside |  | B    | 12200 | 9100  | 7038764  | 547128  | 1     | 8.4   | 79    | 10    | 54.1  | 0.6   | 0.2   | 33    | 0.3   | 0     |
| 71894      | Gravel   | Black  | Hillside |  | B    | 12200 | 9200  | 7038768  | 547227  | 49    | 59    | 120   | 12.3  | 65.3  | 1.5   | 0.2   | 35    | 0.3   | 0     |
| 71893      | Gravel   | Black  | Hillside |  | B    | 12200 | 9300  | 7038772  | 547327  | 6     | 91.5  | 229   | 35    | 91.5  | 1.2   | 0.2   | 35    | 0.6   | 0.1   |
| 71892      | Gravel   | Brown  | Hillside |  | B    | 12200 | 9400  | 7038775  | 547426  | 4     | 13.3  | 208   | 16.9  | 53.7  | 0.5   | 0.3   | 14    | 0.3   | 0.1   |
| 71891      | Gravel   | Brown  | Hillside |  | B    | 12200 | 9500  | 7038779  | 547526  | 0     | 6.2   | 68    | 11.6  | 134.8 | 0.4   | 0.3   | 19    | 0.3   | 0.1   |
| 71890      | Gravel   | Brown  | Hillside |  | B    | 12200 | 9600  | 7038783  | 547625  | 2     | 30.8  | 75    | 18.7  | 77.5  | 0.7   | 0.3   | 17    | 0.5   | 0     |
| 71889      | Gravel   | Brown  | Hillside |  | B    | 12200 | 9700  | 7038787  | 547725  | 4     | 100.8 | 159   | 17.2  | 80.6  | 1.7   | 0.2   | 26    | 0.6   | 0.1   |
| 71888      | Gravel   | Brown  | Hillside |  | B    | 12200 | 9800  | 7038790  | 547824  | 4     | 80    | 98    | 18    | 60.6  | 1.2   | 0.3   | 16    | 0.4   | 0.1   |
| 74764      | Silt     | Brown  | Hillside |  | B    | 11800 | 9800  | 7038392  | 547837  | 3     | 90    | 347   | 67.8  | 68.3  | 1.4   | 0.3   | 71    | 1.2   | 0.1   |
| 71887      | Gravel   | Brown  | Hillside |  | B    | 12200 | 9900  | 7038794  | 547924  | 6     | 15.8  | 176   | 19.3  | 45.5  | 0.8   | 0.3   | 22    | 0.3   | 0.1   |
| 74804      | Gravel   | Brown  | Hilltop  |  | B    | 12200 | 10100 | 7038802  | 548123  | 1     | 32.2  | 22    | 17.9  | 39.9  | 0.6   | 0.2   | 19    | 0.4   | 0     |
| 74803      | Gravel   | Brown  | Hillside |  | B    | 12200 | 10200 | 7038805  | 548223  | 4     | 51.1  | 73    | 24.9  | 65.3  | 0.9   | 0.2   | 20    | 0.5   | 0     |
| 73136      | Sand     | Orange | Hilltop  |  | B    | 12000 | 10200 | 7038605  | 548229  | 3     | 17.8  | 21    | 12.2  | 54.3  | 0.6   | 0.2   | 23    | 0.6   | 0     |
| 74802      | Silt     | Black  | Hillside |  | B    | 12200 | 10300 | 7038809  | 548323  | 5     | 71.5  | 204   | 36.4  | 83.1  | 0.9   | 0.2   | 39    | 0.7   | 0.1   |
| 73137      | Talus    | Brown  | Hillside |  | B    | 12000 | 10300 | 7038609  | 548329  | 2     | 26.6  | 68    | 16.4  | 56.7  | 0.7   | 0.2   | 24    | 0.4   | 0     |
| 74774      | Sand     | Brown  | Hillside |  | B    | 11800 | 10300 | 7038410  | 548337  | 3     | 60.4  | 55    | 52.1  | 60.7  | 1.3   | 0.3   | 27    | 0.6   | 0.1   |

| Sample No. | Material  | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74775      | Gravel    | Brown  | Hillside |  | B    | 11800 | 10400 | 7038413            | 548436            | 11          | 91.2        | 581         | 52.3        | 77.3        | 1.1         | 0.3         | 57          | 1           | 0.1         |
| 74800      | Gravel    | Brown  | Hillside |  | B    | 12200 | 10500 | 7038816            | 548522            | 7           | 77.8        | 301         | 55.2        | 70.7        | 0.7         | 0.3         | 62          | 1           | 0.1         |
| 74777      | Silt      | Brown  | Hillside |  | B    | 11800 | 10600 | 7038421            | 548636            | 11          | 83.3        | 384         | 57.5        | 74.5        | 0.9         | 0.3         | 65          | 0.7         | 0.1         |
| 71898      | Gravel    | Black  | Hillside |  | B    | 12200 | 10700 | 7038823            | 548722            | 4           | 33.5        | 342         | 28.5        | 65.2        | 0.6         | 0.3         | 63          | 0.7         | 0.1         |
| 74778      | Silt      | Brown  | Hillside |  | B    | 11800 | 10700 | 7038425            | 548736            | 11          | 132.4       | 1633        | 114.8       | 121.3       | 1.7         | 0.4         | 148         | 1.1         | 0.1         |
| 71897      | Gravel    | Brown  | Hillside |  | B    | 12200 | 10800 | 7038826            | 548822            | 28          | 82.7        | 301         | 50          | 110.5       | 1.2         | 0.2         | 33          | 0.6         | 0           |
| 74779      | Silt      | Brown  | Hillside |  | B    | 11800 | 10800 | 7038428            | 548836            | 4           | 58.4        | 881         | 62.3        | 70.7        | 0.9         | 0.3         | 71          | 0.5         | 0           |
| 73132      | Silt      | Brown  | Hillside | ~50m to gulley on steep creek                      | B    | 12000 | 9300  | 7038574            | 547328            | 6           | 150.3       | 312         | 22.6        | 54.2        | 0.9         | 0.5         | 28          | 0.5         | 0.1         |
| 74769      | Silt      | Brown  | Hillside | 5m west of creek                                   | B    | 11800 | 9300  | 7038376            | 547338            | 5           | 17.2        | 86          | 10.2        | 59.8        | 0.4         | 0.2         | 45          | 0.5         | 0           |
| 73142      | Gravel    | Grey   | Hillside | chunks of orthogneiss                              | B    | 12000 | 10800 | 7038627            | 548826            | 9           | 60.9        | 414         | 31.5        | 113.3       | 1.1         | 0.3         | 57          | 0.6         | 0.1         |
| 74763      | Silt      | Brown  | Hillside | clasts of chlorite, muscovite schist               | B    | 11800 | 9900  | 7038395            | 547937            | 3           | 79.7        | 344         | 49.6        | 62.7        | 1           | 0.3         | 50          | 0.7         | 0           |
| 73128      | Talus     | Grey   | Gulley   | creek fines, soil site                             | B    | 12000 | 9700  | 7038588            | 547729            | 6           | 74.5        | 168         | 47.4        | 75.5        | 1.1         | 0.3         | 25          | 0.6         | 0.1         |
| 73138      | Colluvium | Brown  | Gulley   | crossed creek at 103+95 mtl from hillside          | B    | 12000 | 10400 | 7038613            | 548428            | 3           | 50.5        | 220         | 34.7        | 58.4        | 0.6         | 0.3         | 58          | 0.6         | 0.1         |
| 74770      | Silt      | Brown  | Hillside | dark brown soil in alders                          | B    | 11800 | 9200  | 7038373            | 547238            | 3           | 6.6         | 150         | 7.9         | 49.2        | 0.4         | 0.2         | 63          | 0.5         | 0           |
| 71896      | Gravel    | Brown  | Hillside | end of line  | B    | 12200 | 10900 | 7038830            | 548922            | 7           | 59          | 456         | 37.8        | 97.1        | 1           | 0.2         | 61          | 0.6         | 0           |
| 74766      | Gravel    | Brown  | Hillside | feldspar augen gneiss & qtz muscovite schist clast | B    | 11800 | 9600  | 7038386            | 547637            | 2           | 46.7        | 106         | 18          | 64.5        | 0.7         | 0.2         | 29          | 0.4         | 0.1         |
| 71899      | Silt      | Black  | Hillside | frozen   | B    | 12200 | 10580 | 7038819            | 548622            | 5           | 19.6        | 163         | 19.9        | 48.1        | 0.4         | 0.2         | 43          | 0.6         | 0           |
| 74768      | Silt      | Brown  | Hillside | hornfelsed qtz muscovite schist                    | B    | 11800 | 9400  | 7038379            | 547438            | 10          | 157.8       | 596         | 23          | 89.9        | 1.4         | 0.3         | 41          | 0.5         | 0.1         |
| 74767      | Sand      | Brown  | Hillside | hornfelsed qtz muscovite schist                    | B    | 11800 | 9500  | 7038383            | 547537            | 4           | 80.9        | 422         | 21          | 76.6        | 0.9         | 0.3         | 59          | 0.7         | 0.1         |
| 73133      | Silt      | Grey   | Hillside | in burn  | B    | 12000 | 9200  | 7038570            | 547228            | 4           | 25.8        | 80          | 10.5        | 51.5        | 0.6         | 0.2         | 45          | 0.4         | 0.1         |
| 73141      | Silt      | Grey   | Hillside | mucky silt   | B    | 12000 | 10700 | 7038624            | 548727            | 4           | 31.7        | 327         | 34.6        | 89.9        | 1           | 0.3         | 60          | 1.1         | 0.1         |
| 74772      | Sand      | Brown  | Hillside | muscovite schists clasts                           | B    | 11800 | 10100 | 7038402            | 548137            | 6           | 68.7        | 542         | 73.9        | 55.9        | 0.9         | 0.5         | 47          | 0.7         | 0.1         |
| 73135      | Sand      | Orange | Hillside | near top of hill                                   | B    | 12000 | 10100 | 7038602            | 548129            | 1           | 29          | 165         | 12.4        | 63.5        | 0.9         | 0.2         | 31          | 0.3         | 0.1         |
| 73143      | Talus     | Brown  | Hillside | orthogneiss brooks around                          | B    | 12000 | 10900 | 7038631            | 548926            | 6           | 43          | 297         | 27.9        | 92.9        | 0.9         | 0.3         | 39          | 0.4         | 0.1         |
| 73140      | Organic   | Brown  | Hillside | permafrost w/gravel                                | B    | 12000 | 10600 | 7038620            | 548627            | 4           | 35.3        | 319         | 28.2        | 71.7        | 0.6         | 0.2         | 66          | 0.9         | 0.1         |
| 74780      | Talus     | Brown  | Hillside | qtz & granitic orthogneiss clasts                  | B    | 11800 | 10900 | 7038432            | 548936            | 5           | 59.3        | 116         | 66.8        | 104         | 1.1         | 0.4         | 20          | 0.7         | 0           |
| 74776      | Silt      | Brown  | Hillside | qtz & muscovite, qtz schist clasts                 | B    | 11800 | 10500 | 7038417            | 548536            | 8           | 79          | 465         | 42.7        | 90          | 1           | 0.3         | 40          | 0.6         | 0           |
| 73127      | Talus     | Red    | Hillside | qtz biotite schist dominates talus                 | B    | 12000 | 9800  | 7038591            | 547830            | 1           | 28.7        | 201         | 21.2        | 44.6        | 0.9         | 0.3         | 25          | 0.2         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks   | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 73126      | Talus    | Brown  | Hillside | qtz biotite schist dominates talus              | B    | 12000 | 9900  | 7038595            | 547930            | 1           | 43.1        | 258         | 22.6        | 53.4        | 0.8         | 0.3         | 31          | 0.2         | 0.1         |
| 74773      | Gravel   | Brown  | Hillside | qtz clast with trace pyrite                     | B    | 11800 | 10200 | 7038406            | 548237            | 4           | 194.5       | 440         | 88.9        | 70.7        | 2.2         | 0.5         | 31          | 0.8         | 0.1         |
| 74765      | Gravel   | Brown  | Hillside | qtz schist clasts                               | B    | 11800 | 9700  | 7038389            | 547737            | 2           | 37.3        | 100         | 32.9        | 42.8        | 0.5         | 0.2         | 33          | 0.7         | 0.1         |
| 73130      | Talus    | Brown  | Hillside | qtzite outcrop & debris                         | B    | 12000 | 9500  | 7038581            | 547529            | 4           | 99.4        | 186         | 69.4        | 80.7        | 1.2         | 0.2         | 38          | 0.5         | 0.1         |
| 73129      | Talus    | Brown  | Hillside | rounded ridge, qtzite talus                     | B    | 12000 | 9600  | 7038584            | 547629            | 10          | 247.5       | 530         | 89          | 113.6       | 1.7         | 0.3         | 48          | 0.8         | 0.1         |
| 73139      | Silt     | Brown  | Hillside | silty sand outcrop of peaty permafrost          | B    | 12000 | 10500 | 7038616            | 548528            | 2           | 34.1        | 120         | 21.9        | 62.7        | 0.6         | 0.2         | 27          | 0.5         | 0           |
| 74801      | Silt     | Black  | Hillside | some frozen                                     | B    | 12200 | 10400 | 7038812            | 548423            | 3           | 26.3        | 118         | 17.7        | 55.9        | 0.4         | 0.2         | 39          | 0.6         | 0           |
| 73131      | Silt     | Brown  | Hillside | talus fines, frags of well layered qtzite       | B    | 12000 | 9400  | 7038577            | 547429            | 5           | 210.2       | 261         | 61.8        | 93.1        | 1.9         | 0.4         | 42          | 0.8         | 0.1         |
| 74771      | Silt     | Black  | Hillside | thick organic layer, qtz muscovite schist chips | B    | 11800 | 9100  | 7038370            | 547138            | 2           | 5.2         | 145         | 7.2         | 46          | 0.5         | 0.2         | 56          | 0.5         | 0           |
| 74809      | Gravel   | Brown  | Hillside |   | B    | 10600 | 9100  | 7037165            | 547180            | 4           | 6.3         | 78          | 9.7         | 66.1        | 0.6         | 0.2         | 45          | 0.6         | 0           |
| 74810      | Gravel   | Brown  | Hillside |   | B    | 10600 | 9200  | 7037169            | 547280            | 1           | 3.6         | 51          | 11.6        | 88.2        | 0.4         | 0.2         | 36          | 0.4         | 0           |
| 74783      | Silt     | Brown  | Hillside |   | B    | 11000 | 9300  | 7037574            | 547364            | 8           | 76.3        | 158         | 18          | 90.6        | 0.9         | 0.2         | 44          | 0.8         | 0.1         |
| 73150      | Talus    | Brown  | Hillside |   | B    | 10800 | 9300  | 7037374            | 547372            | 4           | 12.6        | 227         | 27          | 183.1       | 0.4         | 0.2         | 45          | 0.6         | 0.1         |
| 74784      | Silt     | Brown  | Hillside |   | B    | 11000 | 9400  | 7037578            | 547464            | 6           | 60.9        | 111         | 18          | 71.6        | 0.7         | 0.4         | 37          | 0.7         | 0.1         |
| 74814      | Gravel   | White  | Hilltop  |   | B    | 10600 | 9600  | 7037184            | 547679            | 6           | 47          | 319         | 35.2        | 60.6        | 0.7         | 0.3         | 30          | 0.5         | 0.1         |
| 74815      | Gravel   | Brown  | Hilltop  |   | B    | 10600 | 9700  | 7037188            | 547779            | 8           | 39.4        | 34          | 9.6         | 57.5        | 0.7         | 0.2         | 25          | 0.6         | 0           |
| 73145      | Gravel   | Brown  | Hilltop  |   | B    | 10800 | 9800  | 7037392            | 547872            | 18          | 79.1        | 68          | 34          | 105.1       | 1.9         | 0.4         | 19          | 0.8         | 0.1         |
| 74816      | Gravel   | Brown  | Hilltop  |   | B    | 10600 | 9800  | 7037191            | 547879            | 3           | 17.3        | 214         | 10.8        | 61.5        | 0.7         | 0.2         | 17          | 0.3         | 0.1         |
| 73144      | Gravel   | Brown  | Hilltop  |   | B    | 10800 | 9900  | 7037395            | 547972            | 2           | 9           | 19          | 10.5        | 45.5        | 0.4         | 0.2         | 24          | 0.3         | 0.1         |
| 74817      | Gravel   | Brown  | Hilltop  |   | B    | 10600 | 9900  | 7037195            | 547979            | 0           | 7.2         | 48          | 8.5         | 70.9        | 0.5         | 0.2         | 11          | 0.2         | 0           |
| 73153      | Talus    | Orange | Hilltop  |   | B    | 10800 | 10100 | 7037402            | 548172            | 2           | 8.8         | 75          | 10.8        | 56.3        | 0.7         | 0.2         | 18          | 0.3         | 0           |
| 74818      | Silt     | Brown  | Hillside |   | B    | 10600 | 10100 | 7037203            | 548178            | 2           | 6.1         | 63          | 11          | 58.9        | 0.5         | 0.2         | 32          | 0.4         | 0           |
| 73154      | Silt     | Orange | Hillside |   | B    | 10800 | 10200 | 7037406            | 548272            | 3           | 8.4         | 179         | 12.7        | 68.9        | 0.6         | 0.2         | 19          | 0.3         | 0           |
| 74819      | Silt     | Black  | Hillside |   | B    | 10600 | 10200 | 7037206            | 548278            | 2           | 9.9         | 79          | 12.3        | 52.2        | 0.6         | 0.2         | 32          | 0.6         | 0           |
| 73155      | Silt     | Orange | Hillside |   | B    | 10800 | 10300 | 7037410            | 548372            | 10          | 6.2         | 25          | 11.7        | 49.8        | 0.5         | 0.3         | 17          | 0.3         | 0           |
| 74820      | Silt     | Brown  | Hillside |   | B    | 10600 | 10300 | 7037210            | 548378            | 2           | 18.9        | 111         | 12.5        | 58.7        | 0.8         | 0.2         | 34          | 0.3         | 0           |
| 73156      | Silt     | Olive  | Hilltop  |   | B    | 10800 | 10400 | 7037413            | 548473            | 6           | 17.3        | 104         | 10.9        | 58.4        | 0.8         | 0.2         | 46          | 0.3         | 0           |
| 74821      | Silt     | Brown  | Hillside |   | B    | 10600 | 10400 | 7037213            | 548478            | 3           | 60.2        | 298         | 13.1        | 65.5        | 1.1         | 0.4         | 36          | 0.4         | 0.1         |
| 74794      | Sand     | Brown  | Hillside |   | B    | 11000 | 10500 | 7037617            | 548565            | 3           | 95.1        | 124         | 24.9        | 56.5        | 0.7         | 0.3         | 19          | 0.4         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 73157      | Gravel   | Tan    | Hillside |  | B    | 10800 | 10500 | 7037417            | 548573            | 3           | 65.2        | 95          | 10          | 55.5        | 0.6         | 0.2         | 30          | 0.5         | 0.1         |
| 74822      | Gravel   | Brown  | Hillside |  | B    | 10600 | 10500 | 7037216            | 548578            | 2           | 18.4        | 35          | 9.6         | 48.7        | 0.5         | 0.2         | 24          | 0.3         | 0           |
| 74795      | Sand     | Brown  | Hillside |  | B    | 11000 | 10600 | 7037620            | 548665            | 4           | 90.9        | 437         | 29.2        | 108.5       | 0.8         | 0.2         | 36          | 0.4         | 0.1         |
| 74823      | Gravel   | Brown  | Hillside |  | B    | 10600 | 10600 | 7037220            | 548678            | 3           | 35.5        | 131         | 10.8        | 64.8        | 0.8         | 0.2         | 19          | 0.4         | 0           |
| 74796      | Sand     | Tan    | Hillside |  | B    | 11000 | 10700 | 7037624            | 548765            | 10          | 103.3       | 100         | 43.2        | 76.5        | 0.7         | 0.2         | 18          | 0.4         | 0           |
| 74824      | Gravel   | Brown  | Hillside |  | B    | 10600 | 10700 | 7037223            | 548778            | 6           | 53          | 127         | 15.7        | 83.2        | 0.8         | 0.2         | 30          | 0.4         | 0.1         |
| 74825      | Gravel   | Brown  | Hillside |  | B    | 10600 | 10800 | 7037227            | 548878            | 3           | 38.7        | 69          | 12.7        | 62.1        | 0.7         | 0.2         | 21          | 0.3         | 0           |
| 74826      | Gravel   | Brown  | Hillside |  | B    | 10600 | 10900 | 7037230            | 548978            | 3           | 51.1        | 229         | 53.9        | 73.2        | 0.8         | 0.2         | 26          | 0.7         | 0           |
| 74786      | Organic  | Black  | Hillside | black soil 35 cm deep above blocky<br>hornfelsed qtz | B    | 11000 | 9600  | 7037585            | 547664            | 15          | 68.9        | 552         | 18.5        | 63.2        | 1           | 0.2         | 81          | 1.3         | 0.1         |
| 74790      | Gravel   | Tan    | Hillside | chips of granite or orthogneiss                      | B    | 11000 | 10100 | 7037602            | 548165            | 1           | 6.6         | 64          | 17.5        | 90.3        | 0.7         | 0.6         | 27          | 0.2         | 0           |
| 74791      | Gravel   | Brown  | Hillside | chips of orthogneiss or qtz schist                   | B    | 11000 | 10200 | 7037606            | 548265            | 1           | 8.3         | 46          | 17.9        | 79.8        | 0.6         | 0.3         | 39          | 0.5         | 0           |
| 74811      | Gravel   | Black  | Hillside | frozen   | B    | 10600 | 9300  | 7037173            | 547380            | 2           | 4           | 55          | 9.3         | 80.9        | 0.4         | 0.1         | 32          | 0.5         | 0           |
| 74812      | Gravel   | Brown  | Hillside | frozen   | B    | 10600 | 9400  | 7037176            | 547479            | 2           | 8.9         | 55          | 13.4        | 47          | 0.5         | 0.2         | 54          | 0.8         | 0           |
| 74813      | Gravel   | Brown  | Hillside | frozen   | B    | 10600 | 9500  | 7037180            | 547579            | 4           | 68.1        | 23          | 24.4        | 71.6        | 0.9         | 0.8         | 11          | 0.4         | 0.1         |
| 74782      | Silt     | Brown  | Hillside | granitic & qtz clasts                                | B    | 11000 | 9200  | 7037571            | 547264            | 9           | 143.1       | 140         | 14          | 81.8        | 0.7         | 0.2         | 38          | 0.6         | 0           |
| 73152      | Gravel   | Brown  | Gulley   | in creek gulley for last 25 m                        | B    | 10800 | 9100  | 7037367            | 547172            | 4           | 5           | 94          | 8.3         | 69.7        | 0.5         | 0.2         | 33          | 0.3         | 0           |
| 73161      | Silt     | Brown  | Hillside | just crossed over ridge                              | B    | 10800 | 10900 | 7037431            | 548974            | 2           | 16          | 153         | 12.8        | 44          | 0.5         | 0.2         | 28          | 0.4         | 0           |
| 73151      | Talus    | Brown  | Hillside | micaceous  | B    | 10800 | 9200  | 7037371            | 547272            | 2           | 5.3         | 57          | 7.2         | 75.2        | 0.4         | 0.2         | 27          | 0.4         | 0.1         |
| 73148      | Talus    | Brown  | Hillside | micaceous w/schist frags                             | B    | 10800 | 9500  | 7037381            | 547572            | 125         | 994.6       | 338         | 74          | 182         | 1.2         | 0.3         | 26          | 0.5         | 0.1         |
| 74798      | Gravel   | Brown  | Hillside | muscovite qtz schist chips                           | B    | 11000 | 10900 | 7037631            | 548965            | 4           | 84.9        | 366         | 17.1        | 96.8        | 1           | 0.2         | 27          | 0.6         | 0.1         |
| 74788      | Gravel   | Brown  | Hillside | muscovite schists chips                              | B    | 11000 | 9800  | 7037592            | 547864            | 6           | 63.9        | 277         | 17          | 112.1       | 0.9         | 0.2         | 56          | 1.2         | 0.1         |
| 73146      | Silt     | Brown  | Hillside | near ridgetop, good b horizon                        | B    | 10800 | 9700  | 7037368            | 547772            | 13          | 76          | 24          | 15.4        | 59.8        | 0.9         | 0.2         | 21          | 0.4         | 0.1         |
| 73149      | Silt     | Brown  | Hillside | organic sandy silt                                   | B    | 10800 | 9400  | 7037378            | 547472            | 22          | 66.9        | 163         | 13.8        | 68.3        | 0.7         | 0.3         | 43          | 0.6         | 0.1         |
| 73147      | Talus    | Brown  | Hillside | orthogneiss frags                                    | B    | 10800 | 9600  | 7037385            | 547672            | 51          | 400.5       | 197         | 20.6        | 82.1        | 1.1         | 0.3         | 18          | 0.7         | 0.1         |
| 73158      | Gravel   | Grey   | Hillside | orthogneiss frags                                    | B    | 10800 | 10600 | 7037420            | 548673            | 7           | 42          | 171         | 19.5        | 73.1        | 0.6         | 0.2         | 40          | 0.8         | 0           |
| 74781      | Gravel   | Brown  | Hillside | qtz & muscovite schist clasts                        | B    | 11000 | 9100  | 7037567            | 547164            | 3           | 6.5         | 105         | 12.8        | 99.8        | 0.6         | 0.2         | 45          | 0.5         | 0           |
| 74789      | Gravel   | Grey   | Hillside | qtz schist chips                                     | B    | 11000 | 9900  | 7037595            | 547965            | 3           | 5.4         | 96          | 16.6        | 95          | 0.8         | 0.2         | 41          | 0.4         | 0           |
| 74793      | Talus    | Brown  | Hilltop  | rusty quartzite                                      | B    | 11000 | 10400 | 7037613            | 548465            | 7           | 158         | 348         | 17.4        | 70.5        | 0.8         | 0.3         | 31          | 0.4         | 0.1         |
| 74785      | Silt     | Brown  | Hillside | sandy silt with mica flakes                          | B    | 11000 | 9500  | 7037581            | 547564            | 8           | 108.1       | 167         | 14.3        | 70.2        | 0.8         | 0.2         | 40          | 0.7         | 0.1         |
| 74787      | Silt     | Brown  | Hillside | sandy silt with qtz & muscovite schist<br>chips      | B    | 11000 | 9700  | 7037588            | 547764            | 36          | 73          | 417         | 32.5        | 77.7        | 0.7         | 0.2         | 74          | 1.2         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks                                      | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74797      | Gravel   | Brown  | Hillside | small chips of granitic orthogneiss          | B    | 11000 | 10800 | 7037627            | 548865            | 2           | 157.4       | 299         | 37.4        | 80.3        | 1           | 0.3         | 19          | 0.5         | 0           |
| 74792      | Silt     | Grey   | Hillside | soil mostly grey with orange bands           | B    | 11000 | 10300 | 7037610            | 548365            | 5           | 54          | 129         | 17.6        | 57.8        | 1.2         | 0.3         | 51          | 0.5         | 0           |
| 73159      | Gravel   | Grey   | Hillside | thick peat overtop                           | B    | 10800 | 10700 | 7037424            | 548773            | 10          | 56.2        | 351         | 54.3        | 86.3        | 0.7         | 0.2         | 48          | 0.6         | 0.1         |
| 73160      | Gravel   | Brown  | Hillside | within creek gully                           | B    | 10800 | 10800 | 7037427            | 548874            | 18          | 124         | 1148        | 89.9        | 128.5       | 1           | 0.2         | 77          | 2.5         | 0.1         |
| 73163      | Talus    | Brown  | Hillside |  | B    | 11600 | 9800  | 7038191            | 547844            | 2           | 69.9        | 110         | 21.7        | 74.3        | 1.1         | 0.4         | 28          | 0.6         | 0.1         |
| 73162      | Talus    | Brown  | Hillside |  | B    | 11600 | 9900  | 7038195            | 547944            | 4           | 42          | 49          | 18.9        | 60.6        | 0.9         | 0.2         | 30          | 0.5         | 0           |
| 73165      | Talus    | Brown  | Hillside | blocks of grey to white banded qtzite        | B    | 11600 | 9600  | 7038183            | 547644            | 6           | 162         | 147         | 54.4        | 113.3       | 1.1         | 0.2         | 25          | 0.7         | 0.1         |
| 73170      | Silt     | Brown  | Hillside | last 100 metres in bornite                   | B    | 11600 | 9100  | 7038164            | 547145            | 5           | 6.7         | 96          | 8.8         | 148.8       | 0.5         | 0.2         | 34          | 0.3         | 0           |
| 73167      | Talus    | Tan    | Hillside | micaceous soil, mostly orthogneiss<br>blocks | B    | 11600 | 9400  | 7038175            | 547445            | 6           | 272.9       | 301         | 69.1        | 133.8       | 2.3         | 0.3         | 23          | 0.9         | 0.1         |
| 73164      | Talus    | Brown  | Hillside | qtzite & schist frags                        | B    | 11600 | 9700  | 7038187            | 547744            | 4           | 168.2       | 73          | 34.9        | 97.2        | 1.6         | 0.3         | 18          | 0.7         | 0.1         |
| 73168      | Silt     | Brown  | Hillside | sample at 93+85e                             | B    | 11600 | 9300  | 7038172            | 547345            | 69          | 460.1       | 312         | 44.2        | 133.2       | 1           | 0.2         | 34          | 0.6         | 0.1         |
| 73169      | Talus    | Tan    | Hillside | schist & qtz frags                           | B    | 11600 | 9200  | 7038168            | 547245            | 5           | 48.5        | 178         | 10.9        | 130.6       | 0.6         | 0.4         | 38          | 0.6         | 0           |
| 73166      | Talus    | Brown  | Hillside | schist & qtz talus                           | B    | 11600 | 9500  | 7038179            | 547544            | 4           | 180.8       | 411         | 43.6        | 93.6        | 1.2         | 0.3         | 32          | 0.7         | 0.1         |
| 74834      | Gravel   | Brown  | Hillside |  | B    | 11400 | 9100  | 7037970            | 547151            | 2           | 5.3         | 148         | 17.2        | 84.5        | 0.4         | 0.3         | 41          | 0.4         | 0.1         |
| 74835      | Silt     | Black  | Hillside |  | B    | 11400 | 9200  | 7037973            | 547251            | 6           | 13.2        | 202         | 44.3        | 293.5       | 0.4         | 0.3         | 48          | 0.4         | 0           |
| 74904      | Silt     | Brown  | Hillside |  | B    | 11200 | 9200  | 7037771            | 547258            | 6           | 10.2        | 322         | 15.4        | 72          | 0.4         | 0.1         | 71          | 0.6         | 0           |
| 74905      | Sand     | Brown  | Hillside |  | B    | 11200 | 9300  | 7037774            | 547358            | 18          | 80.4        | 97          | 14          | 62.1        | 0.6         | 0.2         | 35          | 0.5         | 0           |
| 74837      | Silt     | Brown  | Hillside |  | B    | 11400 | 9400  | 7037980            | 547451            | 5           | 39.6        | 133         | 17.8        | 67.1        | 0.7         | 0.2         | 54          | 0.6         | 0           |
| 74838      | Gravel   | Brown  | Hillside |  | B    | 11400 | 9500  | 7037983            | 547551            | 9           | 149.6       | 499         | 18.5        | 81.3        | 1.3         | 0.2         | 42          | 1           | 0.1         |
| 74907      | Sand     | Brown  | Hillside |  | B    | 11200 | 9500  | 7037781            | 547558            | 6           | 74.4        | 130         | 22.3        | 62.1        | 0.6         | 0.2         | 56          | 0.7         | 0           |
| 74840      | Gravel   | Brown  | Hillside |  | B    | 11400 | 9700  | 7037989            | 547751            | 4           | 287.6       | 170         | 42.6        | 119.2       | 2           | 0.6         | 16          | 1.3         | 0.1         |
| 74910      | Sand     | Brown  | Hillside |  | B    | 11200 | 9800  | 7037792            | 547858            | 1           | 12.4        | 94          | 23.9        | 66.5        | 0.4         | 0.2         | 46          | 0.4         | 0           |
| 74842      | Gravel   | Brown  | Hillside |  | B    | 11400 | 9900  | 7037995            | 547951            | 4           | 122.3       | 170         | 51.9        | 107.2       | 1.6         | 0.3         | 17          | 0.9         | 0.1         |
| 74851      | Silt     | Brown  | Hillside |  | B    | 11400 | 10100 | 7038002            | 548151            | 4           | 25.1        | 137         | 21.6        | 65.7        | 0.5         | 0.2         | 48          | 0.6         | 0           |
| 73172      | Silt     | Brown  | Hillside |  | B    | 11600 | 10200 | 7038205            | 548243            | 49          | 82.1        | 995         | 37.7        | 90          | 0.8         | 0.2         | 71          | 0.6         | 0           |
| 74850      | Gravel   | Brown  | Hillside |  | B    | 11400 | 10200 | 7038006            | 548251            | 9           | 112.5       | 731         | 102.5       | 129.8       | 1.2         | 0.4         | 86          | 1.1         | 0           |
| 73173      | Silt     | Brown  | Hillside |  | B    | 11600 | 10300 | 7038209            | 548343            | 31          | 193.1       | 352         | 30.3        | 121.9       | 1.3         | 0.2         | 24          | 0.3         | 0.1         |
| 73174      | Silt     | Brown  | Hillside |  | B    | 11600 | 10400 | 7038212            | 548443            | 4           | 12.3        | 58          | 11.8        | 118.8       | 0.3         | 0.1         | 10          | 0.1         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks                               | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---------------------------------------|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74847      | Gravel   | Brown  | Hillside |                                       | B    | 11400 | 10500 | 7038016            | 548551            | 3           | 25.3        | 35          | 10.4        | 49.9        | 0.7         | 0.2         | 16          | 0.3         | 0           |
| 74916      | Sand     | Orange | Hillside |                                       | B    | 11200 | 10500 | 7037818            | 548558            | 1           | 18.6        | 68          | 24.9        | 61.2        | 0.7         | 0.4         | 38          | 0.5         | 0           |
| 73176      | Gravel   | Brown  | Hillside |                                       | B    | 11600 | 10600 | 7038219            | 548643            | 11          | 195.9       | 465         | 31.5        | 107         | 1.6         | 0.3         | 43          | 0.7         | 0.1         |
| 74846      | Gravel   | Brown  | Hillside |                                       | B    | 11400 | 10600 | 7038020            | 548652            | 8           | 47.3        | 40          | 17.3        | 47.5        | 0.7         | 0.2         | 32          | 0.4         | 0.1         |
| 74845      | Gravel   | Brown  | Hillside |                                       | B    | 11400 | 10700 | 7038023            | 548752            | 3           | 57.3        | 34          | 19          | 81.1        | 1.1         | 0.3         | 24          | 0.5         | 0.1         |
| 74918      | Sand     | Orange | Hillside |                                       | B    | 11200 | 10700 | 7037826            | 548759            | 20          | 290.9       | 1225        | 28.6        | 100.1       | 1.1         | 0.3         | 54          | 0.7         | 0.1         |
| 74844      | Gravel   | Brown  | Hillside |                                       | B    | 11400 | 10800 | 7038027            | 548852            | 2           | 36.8        | 42          | 11.4        | 76          | 0.8         | 0.2         | 19          | 0.5         | 0           |
| 74919      | Sand     | Brown  | Hillside |                                       | B    | 11200 | 10800 | 7037830            | 548859            | 8           | 59.1        | 221         | 29.3        | 89          | 0.7         | 0.2         | 23          | 0.6         | 0.1         |
| 73179      | Silt     | Brown  | Hillside |                                       | B    | 11600 | 10900 | 7038229            | 548942            | 7           | 86.8        | 165         | 88.5        | 82.1        | 1.2         | 0.3         | 42          | 0.6         | 0           |
| 74843      | Gravel   | Brown  | Hillside |                                       | B    | 11400 | 10900 | 7038030            | 548952            | 3           | 33.5        | 531         | 22.8        | 70.1        | 1           | 0.3         | 40          | 0.4         | 0.1         |
| 74920      | Sand     | Brown  | Hillside |                                       | B    | 11200 | 10900 | 7037834            | 548959            | 2           | 42.6        | 410         | 31.3        | 58.8        | 0.6         | 0.2         | 53          | 0.6         | 0.1         |
| 73175      | Silt     | Tan    | Hillside | atop gentle ridge crest               | B    | 11600 | 10500 | 7038215            | 548543            | 41          | 48.3        | 225         | 20.7        | 74.7        | 0.8         | 0.2         | 24          | 0.4         | 0           |
| 74912      | Silt     | Brown  | Hillside | dark brown                            | B    | 11200 | 10100 | 7037803            | 548158            | 7           | 117.4       | 230         | 53.2        | 167.1       | 0.9         | 0.2         | 54          | 0.9         | 0.1         |
| 74848      | Gravel   | Brown  | Hillside | dug pit qtzite schist w/qtz veins     | B    | 11400 | 10400 | 7038013            | 548451            | 5           | 100.6       | 35          | 12.6        | 93.1        | 1.2         | 0.2         | 17          | 0.4         | 0           |
| 73178      | Talus    | Brown  | Hillside | frags of orthogneiss granite          | B    | 11600 | 10800 | 7038226            | 548842            | 5           | 113.6       | 167         | 102.8       | 96          | 1.5         | 0.4         | 14          | 0.8         | 0.1         |
| 74913      | Gravel   | Black  | Hillside | marble clasts in brown black soil     | B    | 11200 | 10200 | 7037807            | 548258            | 13          | 90.4        | 533         | 80.3        | 323.2       | 0.8         | 0.4         | 79          | 1           | 0.1         |
| 74911      | Gravel   | Brown  | Hillside | muscovite schist & granitic clasts    | B    | 11200 | 9900  | 7037795            | 547958            | 2           | 38          | 135         | 27.4        | 85          | 0.6         | 0.2         | 36          | 0.5         | 0           |
| 73177      | Gravel   | Brown  | Hillside | near head of gulley                   | B    | 11600 | 10700 | 7038222            | 548742            | 7           | 77.7        | 282         | 22.4        | 139.3       | 1.4         | 0.2         | 26          | 0.5         | 0.1         |
| 74917      | Sand     | Orange | Hilltop  | orange silty sand                     | B    | 11200 | 10600 | 7037822            | 548659            | 5           | 40.4        | 111         | 22.9        | 69.6        | 0.9         | 0.4         | 32          | 0.4         | 0.1         |
| 74903      | Organic  | Black  | Hillside | organic rich layers above permafrost  | B    | 11200 | 9100  | 7037767            | 547158            | 5           | 6.8         | 342         | 11.8        | 47.6        | 0.4         | 0.1         | 98          | 0.7         | 0           |
| 73171      | Silt     | Brown  | Hillside | organic rich, sandy layer in the peat | B    | 11600 | 10100 | 7038202            | 548144            | 9           | 62.1        | 211         | 27.9        | 99.3        | 1.1         | 0.2         | 44          | 1.2         | 0.1         |
| 74914      | Sand     | Orange | Hillside | qtz chlorite muscovite schist chips   | B    | 11200 | 10300 | 7037810            | 548358            | 6           | 124.6       | 153         | 25.7        | 87.6        | 0.8         | 0.2         | 34          | 0.6         | 0           |
| 74908      | Sand     | Brown  | Hillside | qtz muscovite schist clasts           | B    | 11200 | 9600  | 7037785            | 547658            | 4           | 46.8        | 87          | 14.8        | 54.8        | 0.5         | 0.3         | 39          | 0.5         | 0           |
| 74841      | Gravel   | Brown  | Hillside | qtzite talus                          | B    | 11400 | 9800  | 7037992            | 547851            | 7           | 136.6       | 192         | 38.4        | 85.9        | 1.3         | 0.2         | 30          | 0.6         | 0.1         |
| 74915      | Gravel   | Orange | Hillside | rusty qtz clasts                      | B    | 11200 | 10400 | 7037814            | 548458            | 3           | 108.7       | 151         | 21.2        | 41.6        | 0.5         | 0.2         | 22          | 0.4         | 0.1         |
| 74909      | Silt     | Brown  | Hillside | sandy silt with mica flakes           | B    | 11200 | 9700  | 7037788            | 547758            | 4           | 94.1        | 150         | 15.4        | 48.2        | 0.4         | 0.2         | 49          | 0.7         | 0           |
| 74836      | Gravel   | Brown  | Hillside | schist                                | B    | 11400 | 9300  | 7037976            | 547351            | 5           | 70.8        | 72          | 24.7        | 186         | 0.5         | 0.3         | 28          | 0.2         | 0.1         |
| 74849      | Gravel   | Brown  | Hillside | schist                                | B    | 11400 | 10300 | 7038009            | 548351            | 3           | 118.3       | 32          | 15.4        | 51.7        | 0.7         | 0.2         | 22          | 0.3         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks                              | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--------------------------------------|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74839      | Gravel   | Brown  | Hillside | schist with qtz veins                | B    | 11400 | 9600  | 7037986            | 547651            | 5           | 129.6       | 498         | 24.2        | 98.6        | 1           | 0.3         | 53          | 0.9         | 0.1         |
| 74906      | Sand     | Brown  | Hillside | small chips of qtz muscovite schist  | B    | 11200 | 9400  | 7037778            | 547458            | 5           | 94          | 161         | 16.7        | 48.8        | 0.5         | 0.2         | 58          | 0.7         | 0.1         |
| 74874      | Gravel   | Brown  | Hillside |                                      | B    | 9800  | 10100 | 7036403            | 548206            | 47          | 363         | 620         | 68.5        | 208.2       | 1.2         | 0.3         | 44          | 0.7         | 0.1         |
| 74873      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10100 | 7036203            | 548213            | 6           | 121         | 106         | 17.8        | 73          | 0.7         | 0.1         | 47          | 0.8         | 0           |
| 74872      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10200 | 7036207            | 548313            | 73          | 651.8       | 629         | 26          | 123.1       | 1.3         | 0.3         | 73          | 1           | 0.1         |
| 74876      | Gravel   | Brown  | Hillside |                                      | B    | 9800  | 10300 | 7036410            | 548406            | 66          | 697.7       | 272         | 51.5        | 115.6       | 0.8         | 0.3         | 45          | 0.5         | 0.1         |
| 74870      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10400 | 7036213            | 548513            | 53          | 639.5       | 279         | 38.4        | 122.8       | 1.9         | 0.6         | 40          | 0.8         | 0.1         |
| 74878      | Silt     | Brown  | Hillside |                                      | B    | 9800  | 10500 | 7036417            | 548606            | 101         | 564.1       | 859         | 64.3        | 162.9       | 1.6         | 0.3         | 73          | 2.2         | 0.1         |
| 74869      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10500 | 7036217            | 548613            | 13          | 189.1       | 272         | 17.3        | 78.8        | 0.8         | 0.2         | 53          | 1           | 0           |
| 74879      | Gravel   | Brown  | Hillside |                                      | B    | 9800  | 10600 | 7036421            | 548706            | 13          | 105.2       | 130         | 16.2        | 74.5        | 0.6         | 0.2         | 48          | 0.7         | 0.1         |
| 74868      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10600 | 7036220            | 548713            | 6           | 39.3        | 237         | 14.3        | 37.3        | 0.3         | 0.2         | 22          | 0.6         | 0           |
| 74880      | Gravel   | Brown  | Hillside |                                      | B    | 9800  | 10700 | 7036424            | 548806            | 24          | 332.4       | 573         | 70.2        | 123.2       | 0.8         | 0.2         | 20          | 0.8         | 0.1         |
| 74867      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10700 | 7036224            | 548813            | 35          | 225.8       | 454         | 34          | 78.9        | 0.6         | 0.5         | 43          | 0.7         | 0           |
| 74881      | Gravel   | Brown  | Hillside |                                      | B    | 9800  | 10800 | 7036428            | 548906            | 6           | 24.9        | 112         | 23.2        | 79.4        | 0.4         | 0.2         | 28          | 0.5         | 0           |
| 74866      | Gravel   | Brown  | Hillside |                                      | B    | 9600  | 10800 | 7036227            | 548913            | 9           | 43.3        | 87          | 21.9        | 71.1        | 0.7         | 0.5         | 30          | 0.5         | 0           |
| 74882      | Gravel   | Black  | Hillside |                                      | B    | 9800  | 10900 | 7036431            | 549006            | 5           | 16.2        | 135         | 26.6        | 36.5        | 0.4         | 0.2         | 38          | 0.2         | 0           |
| 74883      | Gravel   | Brown  | Hillside |                                      | B    | 9800  | 11000 | 7036435            | 549106            | 15          | 321.3       | 161         | 24.4        | 73.9        | 0.7         | 0.3         | 25          | 0.3         | 0           |
| 73185      | Silt     | Brown  | Hillside |                                      | B    | 10600 | 11500 | 7037251            | 549578            | 6           | 89.5        | 187         | 18.1        | 88.4        | 0.8         | 0.2         | 26          | 0.4         | 0           |
| 73186      | Silt     | Brown  | Hillside |                                      | B    | 10600 | 11600 | 7037255            | 549678            | 3           | 88.6        | 153         | 22.9        | 73.7        | 0.9         | 0.2         | 23          | 0.4         | 0           |
| 73187      | Silt     | Brown  | Hillside |                                      | B    | 10600 | 11700 | 7037258            | 549778            | 5           | 54.8        | 147         | 23.1        | 62.6        | 0.6         | 0.2         | 27          | 0.3         | 0           |
| 73189      | Gravel   | Brown  | Hillside |                                      | B    | 10600 | 11900 | 7037265            | 549977            | 3           | 39.6        | 129         | 22.6        | 63.9        | 0.9         | 0.3         | 14          | 0.4         | 0           |
| 73190      | Gravel   | Brown  | Hillside |                                      | B    | 10600 | 12000 | 7037269            | 550077            | 5           | 21.2        | 216         | 15.2        | 77.8        | 0.9         | 0.2         | 34          | 0.5         | 0.1         |
| 73193      | Talus    | Brown  | Hillside |                                      | B    | 10600 | 12300 | 7037279            | 550377            | 2           | 45.4        | 316         | 25.2        | 88.1        | 0.8         | 0.3         | 22          | 0.7         | 0.1         |
| 74884      | Gravel   | Brown  | Hillside | 10 up from creek b/c sediment        | B    | 9800  | 11100 | 7036438            | 549206            | 17          | 297.6       | 484         | 29          | 103.6       | 1.1         | 0.4         | 42          | 1           | 0.1         |
| 73192      | Gravel   | Brown  | Hillside | crossed claim lines @ 121+41e        | B    | 10600 | 12200 | 7037276            | 550277            | 3           | 45.9        | 207         | 13.9        | 67.1        | 0.8         | 0.2         | 15          | 0.4         | 0.1         |
| 73180      | Silt     | Brown  | Gulley   | crossed gulley at 109+88e            | B    | 10600 | 11000 | 7037234            | 549078            | 10          | 78.8        | 887         | 51.8        | 95.7        | 0.7         | 0.3         | 84          | 0.7         | 0.1         |
| 74877      | Gravel   | Brown  | Hillside | extreme buckbrush                    | B    | 9800  | 10400 | 7036414            | 548506            | 131         | 1069.9      | 346         | 180.5       | 202.1       | 1.6         | 0.4         | 29          | 1.1         | 0.1         |
| 73181      | Talus    | Brown  | Hillside | frags of qtz feldspar biotite schist | B    | 10600 | 11100 | 7037237            | 549178            | 5           | 45.2        | 279         | 14.5        | 97.3        | 0.9         | 0.3         | 23          | 0.8         | 0.1         |
| 73184      | Silt     | Brown  | Hillside | good b horizon                       | B    | 10600 | 11400 | 7037248            | 549478            | 2           | 20.5        | 537         | 10.7        | 48.6        | 0.5         | 0.2         | 28          | 0.2         | 0           |
| 73197      | Gravel   | Tan    | Hillside | hit ridge crest at 126+25            | B    | 10600 | 12700 | 7037293            | 550777            | 3           | 39.3        | 141         | 20.6        | 60.9        | 0.7         | 0.2         | 21          | 0.1         | 0           |
| 73191      | Silt     | Brown  | Hillside | just about at ridge crest            | B    | 10600 | 12100 | 7037272            | 550177            | 2           | 29.2        | 429         | 13.6        | 70.4        | 0.7         | 0.2         | 27          | 0.3         | 0.1         |

| Sample No. | Material | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74875      | Gravel   | Brown  | Hillside | near boulders at sulphides                     | B    | 9800  | 10200 | 7036407            | 548306            | 193         | 991.2       | 2608        | 1422.8      | 2188.4      | 2.4         | 0.4         | 41          | 0.9         | 0.1         |
| 73188      | Silt     | Green  | Hillside | outcrop of megafeldspar orthogneiss            | B    | 10600 | 11800 | 7037262            | 549877            | 7           | 51.4        | 840         | 48.7        | 98.5        | 0.9         | 0.5         | 56          | 0.4         | 0.1         |
| 74871      | Gravel   | Brown  | Hillside | qtz everywhere                                 | B    | 9600  | 10300 | 7036210            | 548413            | 12          | 153.3       | 82          | 13.2        | 54.3        | 0.6         | 0.2         | 36          | 0.5         | 0           |
| 73195      | Talus    | Brown  | Hillside | qtz eye dacite & feldspar pyritic dacite       | B    | 10600 | 12500 | 7037286            | 550577            | 3           | 42.6        | 205         | 21          | 78.6        | 0.9         | 0.4         | 15          | 0.5         | 0.1         |
| 73194      | Talus    | Orange | Hillside | qtz eye dacite frags dominate here             | B    | 10600 | 12400 | 7037283            | 550477            | 1           | 12.1        | 184         | 37.4        | 83.3        | 0.6         | 0.6         | 31          | 0.3         | 0           |
| 73196      | Silt     | Tan    | Hillside | small outcrop of biotite schists at<br>125+30e | B    | 10600 | 12600 | 7037290            | 550677            | 4           | 16.7        | 166         | 22.6        | 74.5        | 0.6         | 0.5         | 22          | 0.2         | 0           |
| 73183      | Silt     | Brown  | Hillside | top of ridge, good b horizon                   | B    | 10600 | 11300 | 7037244            | 549378            | 2           | 12.8        | 123         | 16.7        | 97.1        | 0.7         | 0.2         | 30          | 0.3         | 0           |
| 73182      | Silt     | Brown  | Hillside | well developed biotite b horizon               | B    | 10600 | 11200 | 7037241            | 549278            | 2           | 15          | 363         | 17.6        | 54.7        | 0.5         | 0.2         | 12          | 0.2         | 0           |
| 75617      | Bedrock  | Brown  | Hillside |  | B    | 9400  | 9000  | 7035965            | 547121            | 2           | 10.1        | 27          | 9.7         | 58.6        | 0.7         | 0.3         | 19          | 0.3         | 0.1         |
| 75609      | Talus    | Grey   | Hillside |  | B    | 9400  | 9800  | 7035993            | 547920            | 4           | 5.4         | 69          | 8.8         | 70.5        | 0.4         | 0.2         | 23          | 0.4         | 0.1         |
| 74927      | Gravel   | Brown  | Hillside |  | B    | 9200  | 10300 | 7035810            | 548423            | 1           | 6.7         | 39          | 23.1        | 48.1        | 0.5         | 0.2         | 13          | 0.4         | 0.1         |
| 74928      | Gravel   | Brown  | Hillside |  | B    | 9200  | 10400 | 7035814            | 548521            | 1           | 6.6         | 39          | 9.7         | 49.8        | 0.4         | 0.2         | 31          | 0.5         | 0           |
| 74929      | Sand     | Brown  | Hillside |  | B    | 9200  | 10500 | 7035817            | 548620            | 2           | 6.7         | 42          | 10.3        | 60.8        | 0.5         | 0.2         | 38          | 0.6         | 0           |
| 75605      | Talus    | Beige  | Hillside |  | B    | 9400  | 10600 | 7036022            | 548720            | 94          | 424.6       | 299         | 70          | 241.3       | 0.8         | 0.2         | 33          | 0.6         | 0.1         |
| 74934      | Sand     | Brown  | Hillside |  | B    | 9200  | 11000 | 7035834            | 549113            | 8           | 108.7       | 266         | 10.9        | 71.5        | 0.7         | 0.2         | 49          | 0.7         | 0           |
| 74856      | Silt     | Brown  | Hillside |  | B    | 9800  | 11200 | 7036442            | 549306            | 6           | 51.7        | 184         | 19          | 70.5        | 0.5         | 0.2         | 45          | 0.4         | 0           |
| 74857      | Silt     | Brown  | Hillside |  | B    | 9800  | 11300 | 7036445            | 549406            | 6           | 57.8        | 239         | 25.2        | 95.1        | 0.6         | 0.3         | 46          | 0.6         | 0           |
| 74858      | Gravel   | Brown  | Hillside |  | B    | 9800  | 11400 | 7036449            | 549506            | 15          | 126         | 269         | 20.6        | 88.6        | 0.6         | 0.2         | 38          | 0.5         | 0           |
| 74860      | Gravel   | Brown  | Hillside |  | B    | 9800  | 11600 | 7036456            | 549705            | 6           | 123.3       | 201         | 18.4        | 138         | 0.7         | 0.3         | 15          | 0.4         | 0           |
| 74861      | Gravel   | Brown  | Hillside |  | B    | 9800  | 11700 | 7036459            | 549805            | 3           | 134.8       | 116         | 23.8        | 140.3       | 0.6         | 0.3         | 18          | 0.6         | 0           |
| 74862      | Gravel   | Brown  | Hillside |  | B    | 9800  | 11800 | 7036463            | 549905            | 11          | 153.9       | 522         | 29.9        | 118.2       | 0.8         | 0.3         | 48          | 0.7         | 0.1         |
| 74863      | Gravel   | Brown  | Hillside |  | B    | 9800  | 11900 | 7036466            | 550005            | 6           | 70.4        | 531         | 58.9        | 106         | 0.7         | 1           | 32          | 0.4         | 0.1         |
| 74864      | Gravel   | Brown  | Hillside |  | B    | 9800  | 12000 | 7036470            | 550105            | 6           | 61.9        | 175         | 21.5        | 75.5        | 0.6         | 0.3         | 36          | 0.7         | 0           |
| 74865      | Gravel   | Brown  | Hillside |  | B    | 9800  | 12100 | 7036473            | 550205            | 5           | 34.3        | 442         | 17.8        | 63.7        | 0.4         | 0.2         | 46          | 0.6         | 0           |
| 74887      | Gravel   | Brown  | Hillside |  | B    | 9800  | 12200 | 7036477            | 550305            | 8           | 141         | 360         | 25.1        | 111.2       | 0.8         | 0.3         | 32          | 0.7         | 0.1         |
| 74888      | Gravel   | Brown  | Hillside |  | B    | 9800  | 12300 | 7036480            | 550405            | 6           | 174.2       | 294         | 35.4        | 168         | 1.1         | 0.2         | 34          | 1           | 0           |
| 74889      | Gravel   | Brown  | Hillside |  | B    | 9800  | 12400 | 7036484            | 550505            | 11          | 120.6       | 400         | 21.8        | 92.4        | 0.9         | 0.3         | 39          | 0.7         | 0.1         |
| 75611      | Talus    | Brown  | Hillside | angular blocks of orthogneiss                  | B    | 9400  | 9600  | 7035986            | 547720            | 3           | 6.8         | 164         | 11.8        | 68.1        | 0.4         | 0.2         | 50          | 0.5         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 75606      | Float    | Brown  | Hillside | biotite feldspar schist blocks to here           | B    | 9400  | 10700 | 7036025            | 548820            | 94          | 151.2       | 236         | 40.8        | 107.1       | 0.7         | 0.3         | 29          | 0.5         | 0.1         |
| 74936      | Talus    | Brown  | Hillside | biotite qtz schist clasts                        | B    | 9200  | 11200 | 7035841            | 549310            | 45          | 766.6       | 453         | 18.4        | 89.6        | 1.8         | 0.3         | 50          | 1           | 0.1         |
| 75603      | Talus    | Brown  | Hillside | biotite schist & qtzite frags                    | B    | 9400  | 10400 | 7036014            | 548520            | 193         | 750.2       | 301         | 19.3        | 54          | 0.8         | 0.3         | 30          | 0.7         | 0.1         |
| 75601      | Talus    | Grey   | Hillside | biotite schist frags                             | B    | 9400  | 10200 | 7036007            | 548320            | 25          | 188.2       | 384         | 8.7         | 85.3        | 0.8         | 0.2         | 33          | 0.6         | 0.1         |
| 75613      | Talus    | Brown  | Hillside | broke outcrop since 94+60e                       | B    | 9400  | 9400  | 7035979            | 547521            | 5           | 8.8         | 47          | 10.3        | 45.5        | 0.7         | 0.2         | 37          | 0.4         | 0.1         |
| 75600      | Silt     | Brown  | Hillside | brown clayey organic rich                        | B    | 9400  | 10100 | 7036004            | 548220            | 15          | 27.6        | 318         | 19.2        | 108.2       | 0.8         | 0.2         | 47          | 0.7         | 0           |
| 75610      | Talus    | Brown  | Hillside | coarse talus debris dominates                    | B    | 9400  | 9700  | 7035989            | 547820            | 1           | 2.9         | 56          | 5.2         | 40.1        | 0.3         | 0.1         | 29          | 0.3         | 0           |
| 74931      | Talus    | Brown  | Hillside | dioritic orthogneiss clasts                      | B    | 9200  | 10700 | 7035824            | 548817            | 3           | 6.5         | 255         | 9.3         | 61.5        | 0.6         | 0.2         | 83          | 0.5         | 0.1         |
| 74940      | Talus    | Brown  | Hillside | f.g. dioritic orthogneiss                        | B    | 9200  | 11600 | 7035855            | 549705            | 21          | 369.4       | 107         | 36.2        | 67.3        | 0.9         | 0.2         | 27          | 0.7         | 0.1         |
| 75607      | Talus    | Brown  | Hillside | frags of biotite schist                          | B    | 9400  | 10800 | 7036029            | 548920            | 131         | 590.7       | 510         | 37.7        | 116.9       | 0.8         | 0.2         | 28          | 0.9         | 0.1         |
| 75614      | Talus    | Brown  | Hillside | granite to qtz syenite orthogneiss<br>outcrop    | B    | 9400  | 9300  | 7035975            | 547421            | 2           | 10.9        | 33          | 10.5        | 55          | 0.7         | 0.2         | 32          | 0.4         | 0.1         |
| 74925      | Talus    | Brown  | Hillside | granitic orthogneiss clasts                      | B    | 9200  | 10100 | 7035803            | 548226            | 1           | 7           | 35          | 9.8         | 56.9        | 0.5         | 0.2         | 26          | 0.5         | 0           |
| 74926      | Talus    | Brown  | Hillside | granitic orthogneiss clasts                      | B    | 9200  | 10200 | 7035807            | 548324            | 3           | 7.3         | 186         | 13.3        | 63.1        | 0.5         | 0.2         | 46          | 0.3         | 0.1         |
| 74930      | Talus    | Brown  | Hillside | granitic orthogneiss clasts                      | B    | 9200  | 10600 | 7035821            | 548719            | 2           | 5.9         | 47          | 9.5         | 52.2        | 0.4         | 0.2         | 23          | 0.3         | 0           |
| 75604      | Gravel   | Brown  | Hillside | lamprophyre frag at 105+10e                      | B    | 9400  | 10500 | 7036018            | 548620            | 88          | 153.3       | 292         | 67.8        | 66.4        | 0.6         | 0.2         | 24          | 0.4         | 0           |
| 75602      | Silt     | Brown  | Hillside | many qtz frags baseline 104+103                  | B    | 9400  | 10300 | 7036011            | 548420            | 21          | 134.8       | 17          | 10          | 63.5        | 0.8         | 0.2         | 25          | 0.6         | 0           |
| 74933      | Sand     | Brown  | Hillside | marble clasts                                    | B    | 9200  | 10900 | 7035831            | 549015            | 15          | 107.1       | 281         | 62.4        | 332.2       | 1.3         | 0.3         | 45          | 0.8         | 0.1         |
| 74859      | Gravel   | Brown  | Hillside | mostly talus, siliceous schist                   | B    | 9800  | 11500 | 7036452            | 549605            | 2           | 111.1       | 156         | 12.7        | 55.4        | 0.8         | 0.3         | 40          | 0.4         | 0.1         |
| 75612      | Talus    | Brown  | Hillside | orthogneiss blocks in hole                       | B    | 9400  | 6500  | 7035982            | 547621            | 3           | 10.2        | 93          | 9.6         | 58.1        | 0.6         | 0.2         | 46          | 0.5         | 0.1         |
| 74932      | Gravel   | Brown  | Hillside | orthogneiss chips                                | B    | 9200  | 10800 | 7035828            | 548916            | 3           | 6.9         | 149         | 9.9         | 62.7        | 0.5         | 0.2         | 45          | 0.3         | 0           |
| 75616      | Talus    | Brown  | Hillside | orthogneiss from 90+50 to here                   | B    | 9400  | 9100  | 7035968            | 547221            | 1           | 9.4         | 66          | 13          | 52.1        | 0.6         | 0.3         | 40          | 0.4         | 0.1         |
| 75608      | Talus    | Beige  | Hillside | passed creek at 99+30e                           | B    | 9400  | 9900  | 7035996            | 548020            | 7           | 11.2        | 52          | 11.5        | 81.3        | 0.5         | 0.3         | 18          | 0.4         | 0           |
| 74938      | Talus    | Brown  | Hillside | qtz biotite muscovite schist clasts              | B    | 9200  | 11400 | 7035848            | 549508            | 42          | 502.1       | 710         | 12          | 29.4        | 0.9         | 0.2         | 50          | 0.5         | 0           |
| 74942      | Sand     | Brown  | Hillside | qtz chips  | B    | 9200  | 11775 | 7035862            | 549902            | 8           | 128.2       | 217         | 13          | 72.6        | 0.7         | 0.2         | 31          | 0.6         | 0           |
| 74941      | Talus    | Brown  | Hillside | qtzite clasts                                    | B    | 9200  | 11700 | 7035859            | 549803            | 50          | 739.2       | 422         | 44.8        | 85.3        | 1.1         | 0.3         | 23          | 0.7         | 0.1         |
| 75615      | Talus    | Brown  | Hillside | ridge crest                                      | B    | 9400  | 9200  | 7035972            | 547321            | 2           | 10.2        | 28          | 9.6         | 60.6        | 0.6         | 0.2         | 37          | 0.5         | 0.1         |
| 74937      | Talus    | Brown  | Hillside | thin soil horizon on qtz biotite schist<br>talus | B    | 9200  | 11300 | 7035845            | 549409            | 8           | 99.7        | 103         | 8.2         | 20          | 0.4         | 0.2         | 49          | 0.5         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks   | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|---|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            |          |        |          | thin soil layer on blocky orthogneiss<br>diorite? |      |       |       |                    |                   |             |             |             |             |             |             |             |             |             |             |
| 74939      | Talus    | Grey   | Hillside |   | B    | 9200  | 11500 | 7035852            | 549606            | 21          | 357.3       | 398         | 21.2        | 38.5        | 0.6         | 0.2         | 50          | 0.5         | 0           |
| 75629      | Silt     | Olive  | Hillside |   | B    | 10200 | 9400  | 7036779            | 547495            | 3           | 18.4        | 98          | 11.3        | 55.8        | 0.6         | 0.2         | 37          | 0.5         | 0           |
| 74947      | Sand     | Brown  | Hillside |   | B    | 10400 | 9500  | 7036983            | 547588            | 1           | 29.6        | 96          | 10.9        | 58.3        | 0.5         | 0.5         | 18          | 0.3         | 0.1         |
| 74946      | Sand     | Orange | Hillside |   | B    | 10400 | 9600  | 7036986            | 547687            | 6           | 35.8        | 217         | 33.4        | 76.8        | 0.6         | 0.2         | 34          | 0.5         | 0           |
| 75627      | Silt     | Taupe  | Hillside |   | B    | 10200 | 9600  | 7036786            | 547694            | 16          | 35.9        | 126         | 10.7        | 55.8        | 0.6         | 0.2         | 26          | 0.4         | 0           |
| 74893      | Gravel   | Brown  | Hillside |   | B    | 9800  | 9600  | 7036389            | 547706            | 0           | 6.5         | 124         | 12.1        | 58.1        | 0.5         | 0.2         | 32          | 0.4         | 0.1         |
| 74945      | Sand     | Tan    | Hillside |   | B    | 10400 | 9700  | 7036990            | 547787            | 13          | 119.2       | 332         | 50.3        | 110.1       | 0.9         | 0.3         | 31          | 0.5         | 0.1         |
| 75626      | Silt     | Tan    | Hillside |   | B    | 10200 | 9700  | 7036789            | 547794            | 19          | 50.8        | 195         | 13.1        | 60          | 0.6         | 0.2         | 33          | 0.5         | 0.1         |
| 74892      | Gravel   | Brown  | Hillside |   | B    | 9800  | 9700  | 7036392            | 547806            | 0           | 5.2         | 74          | 9.1         | 59.9        | 0.4         | 0.2         | 21          | 0.4         | 0           |
| 74944      | Sand     | Tan    | Hillside |   | B    | 10400 | 9800  | 7036993            | 547886            | 28          | 206.2       | 705         | 26.7        | 107.2       | 1           | 0.3         | 61          | 0.6         | 0.1         |
| 75625      | Silt     | Grey   | Hillside |   | B    | 10200 | 9800  | 7036793            | 547893            | 9           | 48.3        | 134         | 19.3        | 67.7        | 0.6         | 0.2         | 27          | 0.5         | 0.1         |
| 74891      | Gravel   | Brown  | Hillside |   | B    | 9800  | 9800  | 7036394            | 547906            | 1           | 5           | 47          | 9.7         | 76          | 0.6         | 0.2         | 34          | 0.3         | 0           |
| 74943      | Sand     | Tan    | Hillside |   | B    | 10400 | 9900  | 7036996            | 547986            | 6           | 39.6        | 263         | 15.7        | 47          | 0.6         | 0.2         | 21          | 0.4         | 0           |
| 75624      | Silt     | Olive  | Hillside |   | B    | 10200 | 9900  | 7036796            | 547993            | 13          | 51.7        | 170         | 13.6        | 62.9        | 0.7         | 0.2         | 47          | 0.7         | 0           |
| 74890      | Gravel   | Brown  | Hillside |   | B    | 9800  | 9900  | 7036397            | 548006            | 1           | 4.8         | 58          | 7.2         | 59.8        | 0.5         | 0.2         | 28          | 0.3         | 0           |
| 75402      | Gravel   | Brown  | Hillside |   | B    | 10200 | 10100 | 7036803            | 548193            | 5           | 18.3        | 77          | 10.1        | 55.5        | 0.5         | 0.2         | 21          | 0.3         | 0           |
| 74894      | Gravel   | Brown  | Hillside |   | B    | 10000 | 10100 | 7036603            | 548199            | 36          | 350.3       | 563         | 105.8       | 183.2       | 0.8         | 0.3         | 51          | 0.8         | 0.1         |
| 75619      | Silt     | Brown  | Hillside |   | B    | 10400 | 10200 | 7037006            | 548286            | 2           | 11.4        | 69          | 11.7        | 63.1        | 0.6         | 0.2         | 38          | 0.5         | 0           |
| 75403      | Silt     | Brown  | Hillside |   | B    | 10200 | 10200 | 7036806            | 548293            | 5           | 25.6        | 127         | 14.7        | 82.8        | 0.7         | 0.2         | 43          | 0.9         | 0           |
| 74895      | Gravel   | Brown  | Hillside |   | B    | 10000 | 10200 | 7036607            | 548299            | 159         | 2601.5      | 655         | 243.2       | 243.1       | 2.4         | 0.4         | 34          | 1.3         | 0.1         |
| 74896      | Gravel   | Brown  | Hillside |   | B    | 10000 | 10300 | 7036611            | 548399            | 69          | 174.4       | 1000        | 48.8        | 105.9       | 0.9         | 0.3         | 87          | 1.6         | 0.1         |
| 74897      | Gravel   | Brown  | Hillside |   | B    | 10000 | 10400 | 7036614            | 548499            | 96          | 379.4       | 679         | 101.6       | 146.5       | 0.9         | 0.3         | 33          | 0.8         | 0.1         |
| 75622      | Silt     | Orange | Hillside |   | B    | 10400 | 10500 | 7037017            | 548586            | 3           | 77.4        | 162         | 17.1        | 72          | 0.9         | 0.2         | 28          | 0.5         | 0.1         |
| 74898      | Gravel   | Black  | Hillside |   | B    | 10000 | 10500 | 7036618            | 548599            | 17          | 125.8       | 174         | 23.6        | 66.8        | 0.6         | 0.2         | 77          | 0.7         | 0.1         |
| 74899      | Silt     | Brown  | Hillside |   | B    | 10000 | 10600 | 7036622            | 548699            | 7           | 113.1       | 168         | 19.8        | 48.5        | 0.4         | 0.2         | 47          | 0.7         | 0           |
| 75400      | Silt     | Brown  | Hillside |   | B    | 10000 | 10700 | 7036625            | 548799            | 8           | 83.7        | 109         | 18.9        | 62.3        | 0.4         | 0.2         | 37          | 0.6         | 0           |
| 75401      | Gravel   | Brown  | Hillside |   | B    | 10000 | 10800 | 7036629            | 548899            | 5           | 42.5        | 269         | 21.7        | 117.9       | 1.2         | 0.4         | 42          | 1.6         | 0.1         |
| 75621      | Gravel   | Beige  | Hillside | few qtz pebbles                                   | B    | 10400 | 10400 | 7037014            | 548486            | 1           | 8.8         | 129         | 11          | 56.6        | 0.4         | 0.2         | 18          | 0.2         | 0.1         |
| 74948      | Sand     | Brown  | Hillside | marble outcrop 30 metres to west                  | B    | 10400 | 9400  | 7036980            | 547488            | 4           | 15.3        | 126         | 10.3        | 67.6        | 0.9         | 0.2         | 42          | 0.4         | 0.1         |
| 75630      | Silt     | Grey   | Hillside | near ridge top                                    | B    | 10200 | 9300  | 7036776            | 547396            | 2           | 8.8         | 71          | 21.6        | 55.2        | 0.4         | 0.2         | 28          | 0.4         | 0.1         |

| Sample No. | Material  | Colour | Topo     | Remarks  | Grid | North | East  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb<br>(ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|--|------|-------|-------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 75620      | Silt      | Brown  | Hillside | qtz pebbles - rusty                              | B    | 10400 | 10300 | 7037010            | 548386            | 18          | 127.1       | 357         | 40.2        | 132.5       | 0.9         | 0.6         | 43          | 0.3         | 0.1         |
| 75623      | Silt      | Beige  | Hillside | ran out of hip chain at 105+34, paced<br>to here | B    | 10400 | 10600 | 7037021            | 548686            | 6           | 50.1        | 240         | 15.5        | 68          | 0.7         | 0.2         | 28          | 0.3         | 0           |
| 75618      | Colluvium | Brown  | Gulley   | taken in small gulley                            | B    | 10400 | 10100 | 7037003            | 548186            | 3           | 10.5        | 192         | 12.3        | 69.9        | 0.6         | 0.4         | 59          | 0.5         | 0.1         |
| 75628      | Gravel    | Brown  | Hillside | topo flattening out                              | B    | 10200 | 9500  | 7036783            | 547595            | 5           | 52.9        | 205         | 74.4        | 166.5       | 0.6         | 0.2         | 47          | 0.7         | 0           |
| 75411      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034865            | 548450            | 0           | 5.3         | 40          | 8.3         | 54.9        | 1.2         | 0.1         | 16          | 0.3         | 0           |
| 75406      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034770            | 548050            | 1           | 4.6         | 152         | 8.5         | 46.3        | 0.5         | 0.2         | 22          | 0.2         | 0           |
| 75407      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034880            | 548110            | 1           | 8.3         | 88          | 11.9        | 79.2        | 0.7         | 0.2         | 14          | 0.3         | 0           |
| 75408      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034975            | 548190            | 1           | 3.7         | 180         | 5.7         | 37.2        | 0.4         | 0.1         | 17          | 0.1         | 0           |
| 75413      | Gravel    | Brown  | Flat     |  | B    | 0     | 0     | 7034425            | 548225            | 4           | 2.4         | 153         | 6.7         | 55.3        | 0.3         | 0.1         | 25          | 0.3         | 0           |
| 75409      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034960            | 548290            | 0           | 3.3         | 25          | 5.4         | 38.8        | 0.4         | 0.1         | 16          | 0.2         | 0           |
| 75414      | Gravel    | Brown  | Flat     |  | B    | 0     | 0     | 7034490            | 548325            | 2           | 6           | 133         | 6.7         | 55.6        | 0.3         | 0.1         | 29          | 0.2         | 0           |
| 75410      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034895            | 548375            | 1           | 3.2         | 61          | 4.9         | 46          | 0.4         | 0.1         | 18          | 0.2         | 0           |
| 75404      | Silt      | Brown  | Hillside |  | B    | 10200 | 10300 | 7036810            | 548393            | 16          | 105.3       | 719         | 14.1        | 94.2        | 1           | 0.2         | 37          | 0.7         | 0.1         |
| 75405      | Silt      | Brown  | Hillside |  | B    | 10200 | 10400 | 7036813            | 548493            | 2           | 73.2        | 177         | 13.3        | 93.1        | 1           | 0.2         | 22          | 0.7         | 0.1         |
| 75412      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7034810            | 548530            | 2           | 6.5         | 91          | 10.6        | 49.2        | 0.6         | 0.2         | 17          | 0.3         | 0           |
| 75415      | Gravel    | Brown  | Hillside |  | B    | 0     | 0     | 7033900            | 549610            | 2           | 10          | 76          | 6.9         | 60.5        | 0.3         | 0.1         | 33          | 0.5         | 0           |

APPENDIX II  
**Field Notes and Selected Geochemical Results  
for Rock Samples**

*Flume Property - Phelps Dodge Corporation of Canada Ltd.*  
 Geochemical Analyses of Rocks (Selected Elements) - Summer 1999

| Sample No. | Material  | Colour | Topo     | Remarks  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb (ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|-----------|--------|----------|--|--------------------|-------------------|-------------|-------------|-------------|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| 71980      | Bedrock   | Grey   | Gulley   | mafic orthogneiss to qtz carbonate                 | 7042565            | 548580            | 7           | 167.6       | 31          | 2.7      | 3.8         | 0.2         | 0.1         | 0           | 0.4         | 0           |
| 73799      | Bedrock   | White  | Hillside | py & aspy? in parallel quartz veins                | 7042940            | 548730            | 10          | 117.4       | 74          | 7.4      | 39.2        | 0.2         | 0.1         | 0           | 0.1         | 0           |
| 71981      | Bedrock   | Orange | Hillside | weathered granite                                  | 7043045            | 546920            | 2           | 53          | 28          | 5.1      | 26          | 0.2         | 0           | 5           | 0.1         | 0           |
| 73798      | Bedrock   | White  | Hillside | minor pyrite in 10 cm qtz vein                     | 7042860            | 548640            | 11          | 52.3        | 55          | 2.7      | 7.3         | 0.1         | 0.1         | 0           | 0.3         | 0           |
| 71982      | Bedrock   | Orange | Hillside | granite w/abundant rusty qtz veins                 | 7043280            | 547440            | 0           | 6.4         | 25          | 4.9      | 10.7        | 1           | 0           | 0           | 0.1         | 0           |
| 71983      | Bedrock   | White  | Hillside | large f.g. qtz vein                                | 7041400            | 545735            | 0           | 46.3        | 284         | 36.8     | 100.4       | 0.3         | 0.5         | 5           | 0.7         | 0.1         |
| 71985      | Colluvium | White  | Gulley   | qtz boulder in creek w/py, aspy                    | 7041730            | 547880            | 175         | 68766       | 130         | 3.8      | 0           | 8.9         | 0.3         | 0           | 5.7         | 0.1         |
| 71984      | Bedrock   | Orange | Gulley   | in ten mile creek bed                              | 7041730            | 547880            | 11          | 485.3       | 29          | 2.3      | 6.9         | 0.3         | 0.1         | 0           | 0           | 0           |
| 73797      | Bedrock   | Grey   | Hillside | graphitic schist with qtz veins +/- arsenopyrite?  | 7042460            | 545940            | 67          | 4488.4      | 371         | 20.9     | 6.8         | 1.4         | 0.5         | 7           | 2.4         | 0.5         |
| 71987      | Talus     | Orange | Hillside | by soil contour site 10600 71873                   | 7042460            | 548890            | 47          | 1550.8      | 142         | 13.9     | 20.9        | 0.9         | 0.1         | 7           | 2.9         | 0.1         |
| 71986      | Bedrock   | Grey   | Hillside | graphite schist with qtz vein                      | 7042170            | 548975            | 28          | 865.9       | 259         | 13.6     | 83.5        | 0.9         | 0.3         | 0           | 6.8         | 0           |
| 71988      | Bedrock   | Orange | Hillside | orthogneiss shot through w/limonitic py & aspy     | 7042860            | 548640            | 32          | 402.6       | 36          | 2.5      | 20.8        | 0.5         | 0.3         | 0           | 0.5         | 0           |
| 73794      | Float     | Grey   | Hillside | hornfelsed schist w/f.g. diss. sulphide?           | 7038690            | 547970            | 0           | 17.1        | 19          | 15       | 35.2        | 1.1         | 0.1         | 0           | 0.6         | 0           |
| 71991      | Talus     | Grey   | Hillside | angular block of orthogneiss w/a foliation cutting | 7038275            | 547550            | 1           | 15          | 59          | 11.5     | 20.5        | 0.2         | 0.1         | 0           | 0.3         | 0           |
| 74808      | Float     | White  | Hillside | qtz w/pyrite/graphite?                             | 7038920            | 548295            | 0           | 10.9        | 49          | 9.4      | 6.1         | 0.2         | 0.1         | 0           | 0.2         | 0           |
| 73795      | Talus     | Grey   | Hillside | banded quartz vein 1.5 cm wide in muddy limestone  | 7040165            | 545885            | 0           | 6.6         | 14          | 16.5     | 6           | 0.8         | 0.1         | 0           | 0           | 0           |
| 73796      | Talus     | Green  | Hillside | pyritic hornfelsed orthogneiss                     | 7040755            | 544825            | 0           | 1.7         | 43          | 2.1      | 64.1        | 0.2         | 0           | 9           | 0           | 0           |
| 71990      | Bedrock   | Orange | Gulley   |  | 7041070            | 544515            | 0           | 1           | 30          | 6.3      | 9.9         | 1.3         | 0.1         | 13          | 0.2         | 0           |
| 71989      | Bedrock   | Grey   | Flat     | at 15+21 on ridge soil line                        | 7039740            | 545465            | 1           | 0.4         | 72          | 1.7      | 27.2        | 0.2         | 0.1         | 8           | 0.2         | 0           |
| 71993      | Talus     | Orange | Hillside | silicified breccia of hornfelsed w/feld.biotite sc | 7038630            | 547975            | 2           | 268.5       | 57          | 55.2     | 33.6        | 3.2         | 0.4         | 0           | 0.3         | 0           |
| 74762      | Talus     | Grey   | Hillside | brecciated hornfelsed w/dark grey siliceous matrix | 7038630            | 547975            | 1           | 29.1        | 14          | 28.4     | 29.5        | 1.1         | 0.1         | 0           | 0.3         | 0           |
| 71992      | Bedrock   | White  | Hillside | approx. 121+50n, 100+30e                           | 7038745            | 548025            | 0           | 0.9         | 36          | 19.2     | 8.1         | 0.1         | 0.2         | 0           | 0.1         | 0           |

| Sample No. | Material | Colour | Topo     | Remarks  | UTM 83<br>Northing | UTM 83<br>Easting | Au<br>(ppb) | As<br>(ppm) | Ag<br>(ppb) | Pb (ppm) | Zn<br>(ppm) | Sb<br>(ppm) | Bi<br>(ppm) | Hg<br>(ppb) | Se<br>(ppm) | Te<br>(ppm) |
|------------|----------|--------|----------|--|--------------------|-------------------|-------------|-------------|-------------|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| 74806      | Float    | White  | Hillside | in creek bed                                       | 7038760            | 547340            | 15          | 89.5        | 100         | 3.2      | 9.6         | 0.6         | 0           | 0           | 0.6         | 0           |
| 71994      | Talus    | White  | Hillside | qtzite w/diss. sulphides                           | 7038695            | 547970            | 0           | 32.8        | 22          | 11.3     | 10.5        | 0.4         | 0           | 0           | 0.3         | 0           |
| 74799      | Talus    | White  | Hillside | trace py & aspy in rusty quartz boulder            | 7038390            | 547465            | 0           | 10.9        | 91          | 1.5      | 11          | 0.6         | 0.1         | 0           | 0.6         | 0           |
| 71995      | Talus    | White  | Hillside | qtz vein   | 7038580            | 548280            | 0           | 7.8         | 38          | 24.7     | 23.1        | 0.3         | 0.3         | 28          | 0.6         | 0           |
| 74807      | Bedrock  | Black  | Hillside |  | 7038770            | 547540            | 1           | 4.2         | 63          | 5        | 143         | 0.5         | 0.1         | 19          | 0           | 0           |
| 74805      | Bedrock  | White  | Hillside | visible sulphides                                  | 7038770            | 547515            | 0           | 1.4         | 71          | 9.2      | 35.4        | 0.1         | 0.2         | 5           | 0.3         | 0.1         |
| 74759      | Bedrock  | White  | Hilltop  | rusty quartzite from soil hole                     | 7037610            | 548450            | 3           | 80.1        | 125         | 2.9      | 9.4         | 0.5         | 0.2         | 9           | 0.3         | 0.1         |
| 74758      | Talus    | White  | Hillside | rusty quartzite with minor pyrite                  | 7038400            | 548190            | 0           | 2.4         | 145         | 11.7     | 8.3         | 0.2         | 0.1         | 8           | 0.4         | 0           |
| 74901      | Float    | White  | Gulley   | quartz with 10 to 15% arsenopyrite                 | 7038730            | 547355            | 179         | 5054.4      | 286         | 16.8     | 73.2        | 2.2         | 0.4         | 18          | 4.3         | 0.1         |
| 74900      | Float    | White  | Gulley   | rusty qtz with 1% arsenopyrite                     | 7038785            | 547325            | 10          | 746.5       | 161         | 51.4     | 278.1       | 0.5         | 0           | 20          | 1           | 0           |
| 74902      | Bedrock  | White  | Hillside | milky qtz vein with hard black mineral on fracture | 7038460            | 547640            | 3           | 67.3        | 130         | 9.6      | 32.7        | 0.4         | 0.1         | 15          | 1.3         | 0.2         |
| 74829      | Bedrock  | White  | Hilltop  | quartz vein  | 7037210            | 547635            | 0           | 56          | 13          | 2.4      | 11.5        | 0.2         | 0           | 0           | 0.1         | 0           |
| 74761      | Bedrock  | Grey   | Hilltop  | qtz-biot schist with f.g. aspy disseminated        | 7037210            | 547635            | 0           | 34.6        | 62          | 4.6      | 46          | 0.5         | 0.1         | 7           | 0.4         | 0.1         |
| 74828      | Bedrock  | White  | Hilltop  | quartz vein  | 7037210            | 547635            | 0           | 18.4        | 12          | 1.5      | 5.3         | 0.2         | 0           | 0           | 0           | 0           |
| 74827      | Float    | Brown  | Hilltop  |  | 7037255            | 547640            | 0           | 18.2        | 11          | 2.2      | 8.8         | 0.2         | 0           | 0           | 0           | 0           |
| 74760      | Bedrock  | White  | Hilltop  | f.g. aspy in quartzite                             | 7037255            | 547640            | 0           | 13          | 31          | 1.6      | 7           | 0.3         | 0           | 15          | 0.1         | 0           |
| 74831      | Float    | White  | Hillside | granite with black dull mineral                    | 7037825            | 549540            | 0           | 8.1         | 107         | 28.4     | 16.7        | 0.2         | 0.2         | 0           | 0.2         | 0           |
| 74833      | Bedrock  | Brown  | Hillside | quartz muscovite schist                            | 7037655            | 549725            | 0           | 4.7         | 34          | 51.2     | 40.2        | 0.2         | 0.2         | 0           | 0.2         | 0           |
| 74832      | Bedrock  | White  | Hillside | granite (dyke?)/muscovite schist/pyrite            | 7037870            | 549495            | 0           | 4.4         | 34          | 28.2     | 17.9        | 0.2         | 0.1         | 0           | 0.1         | 0           |
| 74830      | Bedrock  | White  | Hillside | granite  | 7037895            | 549460            | 0           | 3.8         | 50          | 23.4     | 11.4        | 0.1         | 0.2         | 0           | 0.1         | 0           |
| 74924      | Float    | White  | Gulley   | aspy veinlets up to 3mm wide in quartz             | 7037760            | 547295            | 724         | 70644       | 685         | 12.5     | 4.5         | 12.2        | 0.7         | 23          | 14.3        | 0.4         |
| 74921      | Float    | White  | Hillside | 2-3% aspy in fracture in qtz                       | 7037760            | 547295            | 71          | 2952.2      | 190         | 5        | 16.5        | 1.4         | 0.1         | 28          | 2.7         | 0.2         |
| 71998      | Talus    | Orange | Hillside | granite with shot thru w/limonitic rusty qtz veins | 7038210            | 548030            | 1           | 706.2       | 190         | 41.4     | 40.4        | 5.3         | 0.2         | 18          | 0.9         | 0           |
| 71997      | Talus    | Grey   | Hillside | banded qtzite vein w/diss.pyrite? sulphides        | 7038205            | 547435            | 1           | 252.9       | 648         | 216.3    | 41.9        | 1.3         | 0.1         | 18          | 1.2         | 0.1         |

APPENDIX III  
**Geochemical Analysis Certificates**

*Slime 242*

**LA**

| SAMPLE#  | Mo    | Cu     | Pb    | Zn    | Ag   | Ni   | Co   | Mn  | Fe   | As    | U   | Au    | Th   | Sr    | Cd   | Sb   | Bi   | V   | Ca   | P    | La   | Cr   | Mg   | Ba    | Ti   | B  | Al   | Na   | K   | W   | Tl  | Hg  | Se  | Te  | Ga  | S    | pH  |
|----------|-------|--------|-------|-------|------|------|------|-----|------|-------|-----|-------|------|-------|------|------|------|-----|------|------|------|------|------|-------|------|----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|
|          | ppm   | ppm    | ppm   | ppm   | ppb  | ppm  | ppm  | ppm | %    | ppm   | ppm | ppb   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm | %    | %    | ppm  | ppm  | %    | ppm   | %    | %  | %    | %    | ppm | ppm | ppb | ppm | ppm | ppm | %   |      |     |
| 71788    | 1.13  | 11.21  | 12.99 | 54.8  | 52   | 14.0 | 6.6  | 227 | 2.66 | 81.5  | .3  | 5.9   | 2.6  | 22.1  | .17  | .67  | .21  | 69  | .15  | .022 | 6.4  | 26.5 | .29  | 203.7 | .046 | 1  | 1.64 | .007 | .05 | .2  | .07 | 16  | .8  | .06 | 5.9 | <.01 | 3.9 |
| 71789    | 1.35  | 14.54  | 13.66 | 51.2  | 159  | 14.7 | 7.8  | 379 | 2.61 | 11.7  | .5  | 4.4   | 3.0  | 13.1  | .18  | .69  | .32  | 72  | .11  | .034 | 7.5  | 25.1 | .35  | 172.9 | .060 | 1  | 1.80 | .010 | .04 | .2  | .10 | 16  | .5  | .07 | 6.3 | .01  | -   |
| 71790    | 1.36  | 18.09  | 39.69 | 71.5  | 223  | 18.8 | 7.9  | 232 | 2.88 | 11.9  | .4  | 13.5  | 2.6  | 9.1   | .47  | .79  | .22  | 76  | .08  | .028 | 6.6  | 31.6 | .37  | 258.1 | .054 | 1  | 2.21 | .008 | .03 | .2  | .10 | 48  | .5  | .07 | 6.3 | .01  | -   |
| 71791    | .59   | 22.74  | 7.27  | 71.0  | 25   | 35.1 | 18.6 | 428 | 4.09 | 7.1   | .8  | 6.6   | 2.7  | 39.6  | .10  | .40  | .11  | 102 | .58  | .072 | 13.8 | 75.0 | 1.17 | 331.6 | .224 | <1 | 2.06 | .033 | .02 | <.2 | .04 | 24  | .7  | .08 | 5.7 | <.01 | -   |
| 71792    | .50   | 20.19  | 15.07 | 63.8  | 22   | 18.6 | 9.0  | 347 | 2.57 | 8.1   | .6  | 4.5   | 2.8  | 35.9  | .19  | .59  | .12  | 64  | .35  | .062 | 11.5 | 35.4 | .69  | 359.6 | .077 | <1 | 1.56 | .015 | .03 | <.2 | .06 | 22  | .9  | .06 | 4.5 | <.01 | 4.0 |
| 71793    | .93   | 16.46  | 13.25 | 60.9  | 41   | 14.8 | 7.0  | 339 | 2.77 | 10.3  | .4  | 3.1   | 1.8  | 20.8  | .18  | .61  | .20  | 78  | .18  | .033 | 7.6  | 26.8 | .42  | 178.6 | .086 | 1  | 1.77 | .009 | .05 | .2  | .07 | 27  | .5  | .07 | 6.6 | .02  | -   |
| 71794    | .44   | 15.34  | 11.52 | 58.8  | 65   | 14.5 | 7.8  | 237 | 2.39 | 7.6   | .4  | 7.9   | 3.3  | 28.2  | .12  | .52  | .14  | 62  | .25  | .028 | 8.4  | 28.2 | .50  | 237.3 | .089 | 1  | 1.68 | .013 | .03 | <.2 | .08 | 18  | .6  | .05 | 5.0 | .01  | -   |
| 71795    | .59   | 22.32  | 14.89 | 73.5  | 58   | 17.8 | 8.8  | 325 | 2.66 | 10.4  | 1.1 | 6.2   | 4.7  | 48.7  | .19  | .59  | .16  | 68  | .38  | .034 | 12.6 | 27.9 | .56  | 347.7 | .103 | 1  | 1.78 | .015 | .04 | .2  | .07 | 30  | .9  | .05 | 5.5 | .01  | -   |
| 71796    | .83   | 20.04  | 13.16 | 65.1  | 99   | 14.5 | 6.8  | 221 | 2.60 | 9.9   | .9  | 5.3   | 1.8  | 29.1  | .24  | .53  | .19  | 66  | .24  | .034 | 10.4 | 26.5 | .41  | 279.2 | .081 | 1  | 1.82 | .011 | .05 | .2  | .08 | 32  | .7  | .07 | 6.4 | .02  | 3.5 |
| 71797    | .55   | 20.97  | 12.11 | 62.6  | 67   | 16.2 | 7.5  | 282 | 2.36 | 8.6   | 1.4 | 3.6   | 4.4  | 33.7  | .14  | .54  | .15  | 59  | .35  | .037 | 13.4 | 27.4 | .50  | 395.0 | .090 | 1  | 1.58 | .014 | .04 | .2  | .06 | 28  | .7  | .05 | 4.8 | .01  | -   |
| RE 71797 | .53   | 21.14  | 12.46 | 63.2  | 64   | 16.9 | 7.5  | 281 | 2.38 | 8.7   | 1.4 | 5.7   | 4.5  | 34.7  | .16  | .53  | .16  | 60  | .36  | .038 | 13.7 | 28.9 | .51  | 407.5 | .095 | <1 | 1.65 | .015 | .04 | .2  | .07 | 29  | .7  | .05 | 5.0 | .01  | -   |
| 71798    | .59   | 24.71  | 13.49 | 66.6  | 85   | 18.6 | 8.9  | 345 | 2.66 | 9.8   | 1.5 | 5.5   | 5.1  | 54.9  | .19  | .58  | .17  | 62  | .54  | .036 | 14.6 | 29.8 | .49  | 593.6 | .097 | 1  | 1.88 | .017 | .04 | .2  | .07 | 41  | .8  | .06 | 5.6 | .01  | -   |
| 71799    | .63   | 15.33  | 14.03 | 62.8  | 65   | 15.1 | 7.3  | 249 | 2.39 | 13.3  | .7  | 9.9   | 4.6  | 26.7  | .13  | .51  | .15  | 55  | .28  | .034 | 11.7 | 26.8 | .43  | 268.3 | .087 | <1 | 1.64 | .012 | .04 | .2  | .06 | 22  | .5  | .05 | 4.8 | <.01 | -   |
| 71800    | 1.74  | 29.43  | 10.45 | 56.4  | 303  | 16.2 | 4.7  | 122 | 2.66 | 500.1 | 1.4 | 17.8  | 1.5  | 16.0  | .21  | 1.15 | .23  | 47  | .13  | .052 | 11.0 | 20.8 | .39  | 147.7 | .031 | <1 | 1.38 | .008 | .04 | .2  | .10 | 71  | 1.4 | .07 | 4.7 | .04  | 3.1 |
| 71801    | 2.19  | 35.96  | 9.19  | 54.6  | 362  | 16.0 | 4.2  | 91  | 2.48 | 311.1 | 1.6 | 11.7  | 1.4  | 18.0  | .23  | 1.43 | .24  | 40  | .13  | .063 | 14.0 | 21.6 | .35  | 134.7 | .045 | 1  | 1.19 | .009 | .06 | .2  | .13 | 54  | 2.2 | .08 | 4.6 | .08  | -   |
| 71802    | 1.08  | 27.27  | 16.44 | 56.7  | 171  | 24.7 | 10.8 | 615 | 2.48 | 54.5  | 1.2 | 9.6   | 2.8  | 85.9  | .34  | .96  | .19  | 50  | .87  | .055 | 10.1 | 27.6 | .50  | 424.3 | .054 | 1  | 1.24 | .021 | .05 | .2  | .06 | 49  | 1.1 | .08 | 3.7 | .04  | -   |
| 71803    | .82   | 41.61  | 30.73 | 45.6  | 305  | 32.3 | 11.2 | 587 | 2.53 | 84.6  | 1.7 | 14.8  | 3.0  | 122.7 | .32  | 1.04 | .40  | 43  | 1.36 | .044 | 12.5 | 24.0 | .42  | 430.3 | .044 | 2  | 1.16 | .018 | .07 | .3  | .09 | 46  | 1.5 | .08 | 3.7 | .06  | -   |
| 71804    | 1.53  | 30.50  | 51.30 | 80.5  | 288  | 28.6 | 11.6 | 480 | 3.35 | 182.4 | .9  | 9.3   | 6.4  | 25.3  | .32  | 1.48 | .31  | 49  | .28  | .033 | 13.2 | 24.2 | .40  | 274.5 | .043 | 1  | 1.27 | .013 | .12 | .2  | .07 | 36  | 1.0 | .09 | 3.9 | .02  | 3.8 |
| 71805    | 1.10  | 27.28  | 20.04 | 58.3  | 474  | 29.5 | 10.1 | 255 | 3.16 | 30.1  | .5  | 17.6  | 3.4  | 17.7  | .25  | 1.06 | .21  | 72  | .19  | .026 | 8.4  | 33.1 | .54  | 258.4 | .069 | 1  | 1.94 | .013 | .07 | .2  | .06 | 44  | .6  | .07 | 5.4 | .02  | -   |
| 71806    | 1.03  | 39.13  | 12.18 | 50.4  | 252  | 26.7 | 16.6 | 686 | 3.61 | 90.4  | 1.1 | 151.3 | 2.7  | 139.8 | .28  | 2.12 | .18  | 42  | 1.26 | .052 | 10.9 | 20.2 | .49  | 589.9 | .018 | 2  | 1.25 | .014 | .07 | .2  | .06 | 58  | 1.7 | .09 | 3.1 | .06  | -   |
| 71807    | 1.83  | 18.32  | 11.88 | 36.8  | 110  | 12.7 | 7.3  | 444 | 2.54 | 16.8  | .8  | 10.2  | 3.8  | 31.2  | .14  | 1.14 | .19  | 57  | .31  | .027 | 14.9 | 18.7 | .24  | 713.6 | .021 | 1  | 1.39 | .010 | .06 | .2  | .10 | 29  | .7  | .07 | 4.9 | .01  | -   |
| 71808    | 1.43  | 17.66  | 13.73 | 38.1  | 191  | 14.2 | 6.1  | 204 | 2.45 | 8.8   | .6  | 2.8   | 2.9  | 21.2  | .10  | .90  | .19  | 58  | .17  | .018 | 10.6 | 20.1 | .30  | 814.6 | .041 | 1  | 1.61 | .011 | .04 | .2  | .08 | 32  | .6  | .06 | 5.2 | .01  | 3.9 |
| 71809    | 4.27  | 40.12  | 31.50 | 129.5 | 358  | 61.1 | 17.8 | 565 | 3.85 | 109.4 | 1.4 | 4.7   | 6.8  | 39.8  | .62  | .28  | .29  | 68  | .77  | .099 | 17.1 | 72.1 | 1.68 | 174.8 | .100 | <1 | 1.87 | .028 | .13 | .4  | .25 | 31  | 1.5 | .10 | 5.5 | .02  | -   |
| 71810    | 3.47  | 21.95  | 18.46 | 85.1  | 432  | 29.1 | 8.7  | 317 | 2.37 | 476.4 | 1.3 | 15.9  | 5.6  | 29.1  | .38  | .59  | .24  | 41  | .42  | .046 | 16.1 | 32.0 | .76  | 133.4 | .059 | 1  | 1.33 | .017 | .08 | .4  | .15 | 52  | 1.2 | .10 | 4.5 | .02  | -   |
| 71811    | 2.76  | 24.95  | 32.80 | 94.7  | 301  | 28.2 | 11.0 | 669 | 2.68 | 517.4 | 2.2 | 14.5  | 10.3 | 45.1  | .53  | .92  | .27  | 42  | .66  | .066 | 30.4 | 29.0 | .69  | 234.6 | .053 | 1  | 1.41 | .016 | .08 | .7  | .13 | 37  | 1.3 | .06 | 4.0 | .02  | -   |
| 71812    | 2.58  | 46.47  | 67.22 | 153.1 | 350  | 52.5 | 17.7 | 900 | 3.44 | 467.2 | 1.8 | 16.2  | 8.0  | 37.5  | .67  | 1.08 | .42  | 63  | .75  | .068 | 18.9 | 82.0 | 1.55 | 235.1 | .099 | 1  | 1.98 | .014 | .22 | .6  | .33 | 39  | 1.5 | .10 | 5.7 | .01  | 5.4 |
| 71813    | 3.06  | 27.93  | 34.26 | 113.3 | 249  | 33.0 | 12.5 | 810 | 2.49 | 383.4 | 2.0 | 9.2   | 5.8  | 42.6  | .68  | 1.10 | .24  | 43  | .77  | .077 | 18.0 | 31.8 | .79  | 299.6 | .060 | 1  | 1.32 | .013 | .09 | .8  | .14 | 42  | 1.6 | .06 | 3.7 | .02  | -   |
| 71814    | 1.11  | 29.98  | 18.77 | 89.2  | 130  | 35.6 | 10.7 | 569 | 3.11 | 262.2 | 1.0 | 9.4   | 5.6  | 51.8  | .26  | .67  | .29  | 56  | .77  | .051 | 13.8 | 61.5 | 1.53 | 534.3 | .080 | <1 | 1.86 | .016 | .19 | .2  | .17 | 17  | .8  | .06 | 5.9 | <.01 | -   |
| 71815    | 1.01  | 33.92  | 12.72 | 72.8  | 144  | 24.5 | 8.9  | 677 | 2.89 | 300.1 | 2.6 | 14.8  | 4.2  | 100.0 | .35  | .92  | .20  | 45  | .99  | .054 | 15.3 | 21.2 | .95  | 766.2 | .056 | 1  | 1.60 | .015 | .16 | .2  | .10 | 35  | .9  | .07 | 4.8 | .02  | -   |
| 71816    | 2.80  | 20.87  | 25.51 | 89.8  | 948  | 12.5 | 3.2  | 277 | 1.72 | 112.5 | 1.2 | 1.6   | .9   | 11.7  | .45  | .73  | .58  | 45  | .06  | .042 | 6.6  | 12.8 | .11  | 155.1 | .031 | <1 | .82  | .011 | .05 | .2  | .11 | 39  | .9  | .07 | 5.4 | .01  | 3.2 |
| 71817    | 12.89 | 116.28 | 94.32 | 410.9 | 1640 | 88.4 | 13.0 | 504 | 4.97 | 247.9 | 5.4 | 10.8  | 10.5 | 279.4 | 1.19 | 4.23 | 1.17 | 41  | .05  | .164 | 21.6 | 13.1 | .22  | 323.0 | .017 | 1  | 1.59 | .037 | .17 | .5  | .24 | 62  | 6.8 | .25 | 5.4 | .27  | -   |
| 71818    | 2.68  | 22.40  | 20.97 | 66.3  | 416  | 14.0 | 2.4  | 102 | 1.27 | 112.0 | 1.6 | 7.4   | 2.0  | 52.3  | .39  | .52  | .36  | 24  | .10  | .053 | 13.5 | 7.9  | .13  | 195.6 | .014 | <1 | .87  | .010 | .07 | .2  | .12 | 33  | 1.3 | .06 | 4.8 | .05  | -   |
| 71819    | 1.37  | 38.25  | 17.62 | 71.3  | 230  | 32.5 | 12.1 | 723 | 2.69 | 258.2 | 2.0 | 15.6  | 4.6  | 81.1  | .31  | 1.17 | .21  | 47  | .70  | .046 | 15.5 | 37.2 | .60  | 330.4 | .074 | 1  | 1.60 | .021 | .11 | .3  | .08 | 50  | 1.5 | .12 | 4.8 | .02  | -   |
|          |       |        |       |       |      |      |      |     |      |       |     |       |      |       |      |      |      |     |      |      |      |      |      |       |      |    |      |      |     |     |     |     |     |     |     |      |     |



| SAMPLE#  | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % ppm | B % | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  | pH  |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|-----|------|------|-----|-------|--------|--------|--------|--------|--------|------|-----|
| 71822    | 1.41   | 24.62  | 12.89  | 89.7   | 132    | 27.2   | 11.7   | 349    | 2.99 | 754.1  | 1.2   | 12.7   | 4.3    | 54.3   | .28    | 1.31   | .21    | 54    | .42  | .023 | 11.4   | 30.1   | .58  | 312.2  | .050     | 1   | 1.59 | .018 | .10 | .2    | .07    | 25     | 1.1    | .08    | 5.0    | .01  | 4.8 |
| 71823    | 1.51   | 29.29  | 11.46  | 52.9   | 113    | 30.3   | 12.8   | 689    | 3.20 | 112.0  | 1.3   | 9.2    | 5.5    | 82.3   | .20    | 1.04   | .17    | 51    | .94  | .037 | 17.5   | 19.7   | .39  | 322.1  | .045     | 2   | 1.32 | .017 | .09 | .2    | .06    | 38     | 1.9    | .08    | 4.0    | .03  | -   |
| 71824    | .97    | 24.54  | 11.29  | 55.9   | 354    | 25.7   | 10.2   | 686    | 2.50 | 343.4  | 1.1   | 15.6   | 2.2    | 73.4   | .40    | 1.56   | .18    | 50    | .75  | .047 | 8.9    | 22.0   | .38  | 343.8  | .051     | 2   | 1.35 | .019 | .09 | .2    | .06    | 26     | 1.1    | .08    | 4.2    | .03  | -   |
| 71825    | .71    | 30.99  | 18.52  | 56.8   | 108    | 25.7   | 12.2   | 668    | 2.87 | 72.6   | 1.4   | 12.8   | 4.3    | 74.7   | .16    | 1.01   | .18    | 59    | .85  | .028 | 16.8   | 26.1   | .52  | 389.9  | .064     | 3   | 1.63 | .026 | .07 | .2    | .06    | 23     | 1.5    | .06    | 5.0    | .03  | -   |
| 71826    | .94    | 18.11  | 13.29  | 61.9   | 47     | 26.0   | 13.1   | 635    | 3.48 | 41.2   | .9    | 2.3    | 4.8    | 40.1   | .13    | .78    | .18    | 70    | .48  | .015 | 12.6   | 35.3   | .49  | 498.5  | .060     | 1   | 1.87 | .016 | .11 | .2    | .06    | 16     | .9     | .06    | 5.5    | <.01 | 5.5 |
| 71827    | .77    | 15.58  | 10.48  | 43.2   | 48     | 19.5   | 9.8    | 362    | 2.51 | 33.1   | .7    | 2.4    | 3.7    | 31.3   | .08    | .71    | .26    | 60    | .35  | .016 | 10.0   | 29.2   | .41  | 364.4  | .072     | 1   | 1.59 | .015 | .05 | .2    | .08    | 22     | .6     | .05    | 5.1    | .02  | -   |
| 71828    | 1.06   | 22.77  | 19.30  | 67.5   | 57     | 33.0   | 12.9   | 280    | 3.65 | 131.9  | .6    | 9.4    | 5.9    | 38.9   | .15    | .76    | .20    | 61    | .33  | .031 | 13.2   | 42.3   | .53  | 263.3  | .088     | 1   | 2.06 | .016 | .08 | .2    | .08    | 19     | .5     | .06    | 6.2    | .03  | -   |
| 71829    | .95    | 13.17  | 10.06  | 52.6   | 80     | 14.0   | 6.6    | 201    | 2.22 | 127.9  | .7    | 5.3    | 3.0    | 25.0   | .14    | .49    | .17    | 56    | .32  | .039 | 9.6    | 22.3   | .50  | 192.7  | .079     | 1   | 1.56 | .014 | .05 | .4    | .08    | 29     | .5     | .04    | 5.4    | .02  | -   |
| 71830    | 1.12   | 15.88  | 10.61  | 61.2   | 68     | 17.0   | 7.6    | 243    | 2.18 | 81.6   | .7    | 9.2    | 2.6    | 30.2   | .33    | .57    | .16    | 53    | .38  | .046 | 10.1   | 26.2   | .53  | 245.2  | .075     | 1   | 1.54 | .018 | .06 | .3    | .08    | 34     | .7     | .05    | 5.1    | .02  | 4.3 |
| 71831    | .81    | 22.23  | 13.72  | 87.4   | 95     | 23.5   | 9.3    | 363    | 2.04 | 30.8   | 1.5   | 5.0    | 3.6    | 39.2   | .37    | .56    | .15    | 48    | .59  | .070 | 11.0   | 24.0   | .60  | 227.9  | .076     | 1   | 1.10 | .026 | .08 | .2    | .07    | 26     | .9     | .03    | 3.6    | .03  | -   |
| RE 71831 | .82    | 23.51  | 13.69  | 91.6   | 90     | 23.8   | 9.5    | 369    | 2.15 | 30.4   | 1.5   | 5.3    | 3.8    | 40.5   | .35    | .56    | .15    | 52    | .63  | .073 | 12.0   | 30.2   | .64  | 246.5  | .090     | 1   | 1.19 | .030 | .09 | .3    | .07    | 27     | 1.0    | .04    | 3.8    | .02  | -   |
| 71832    | 1.51   | 72.16  | 36.71  | 208.4  | 48     | 44.1   | 20.8   | 894    | 4.29 | 268.9  | .7    | 3.2    | 4.2    | 31.5   | .43    | .27    | .25    | 70    | .50  | .047 | 7.0    | 59.2   | 2.31 | 273.4  | .202     | 1   | 2.71 | .010 | .86 | <.2   | .61    | 14     | .8     | .08    | 7.9    | <.01 | -   |
| 71833    | 1.22   | 25.97  | 19.65  | 49.6   | 170    | 16.8   | 5.7    | 281    | 2.35 | 1334.1 | 1.0   | 19.9   | 3.0    | 31.2   | .21    | 1.26   | .38    | 43    | .24  | .033 | 9.2    | 13.9   | .40  | 437.8  | .042     | 1   | 1.08 | .011 | .09 | .8    | .10    | 9      | .5     | .09    | 4.1    | .03  | -   |
| 71834    | .74    | 32.56  | 11.63  | 58.8   | 203    | 21.0   | 9.0    | 497    | 2.73 | 795.1  | 2.3   | 41.7   | 3.1    | 83.2   | .34    | .85    | .21    | 48    | .91  | .054 | 10.2   | 27.3   | .71  | 558.8  | .071     | 1   | 1.38 | .022 | .20 | .3    | .11    | 31     | 1.1    | .09    | 4.8    | .03  | 5.5 |
| 71835    | 1.21   | 20.67  | 11.61  | 64.4   | 73     | 16.8   | 8.8    | 900    | 2.57 | 343.8  | .8    | 10.1   | 3.1    | 29.8   | .34    | .70    | .23    | 46    | .30  | .033 | 9.3    | 16.4   | .60  | 447.9  | .035     | 1   | 1.51 | .013 | .11 | .2    | .07    | 21     | .8     | .16    | 5.0    | <.01 | -   |
| 71836    | .90    | 14.04  | 9.11   | 45.1   | 59     | 17.5   | 8.0    | 324    | 2.53 | 22.5   | .4    | 2.9    | 2.6    | 24.0   | .08    | .59    | .16    | 66    | .30  | .016 | 7.4    | 26.2   | .45  | 312.6  | .078     | 1   | 1.70 | .015 | .06 | .2    | .06    | 19     | .4     | .03    | 5.1    | <.01 | -   |
| 71837    | .83    | 14.35  | 7.36   | 38.8   | 75     | 15.5   | 6.6    | 257    | 2.11 | 23.6   | .5    | 5.9    | 2.2    | 25.6   | .11    | .55    | .16    | 57    | .28  | .018 | 8.5    | 26.6   | .41  | 279.8  | .078     | 1   | 1.48 | .018 | .05 | .2    | .06    | 25     | .3     | .04    | 4.9    | .01  | -   |
| 71838    | .83    | 19.41  | 7.94   | 37.9   | 86     | 15.2   | 7.3    | 398    | 2.20 | 19.7   | .4    | 2.5    | 2.2    | 21.1   | .12    | .53    | .17    | 63    | .26  | .012 | 8.1    | 26.6   | .41  | 294.8  | .081     | 1   | 1.64 | .018 | .04 | .2    | .08    | 18     | .1     | .03    | 5.4    | <.01 | 4.1 |
| 71839    | .73    | 16.14  | 7.93   | 43.5   | 69     | 19.3   | 8.4    | 384    | 2.36 | 12.0   | .5    | 3.2    | 2.2    | 34.8   | .12    | .60    | .16    | 63    | .47  | .019 | 8.0    | 28.0   | .47  | 345.1  | .072     | 1   | 1.66 | .021 | .07 | .2    | .07    | 30     | .3     | .05    | 5.0    | .02  | -   |
| 71840    | .80    | 20.95  | 9.74   | 48.8   | 51     | 22.3   | 11.0   | 349    | 2.57 | 17.7   | .6    | 5.3    | 3.1    | 36.5   | .12    | .78    | .18    | 66    | .51  | .016 | 9.0    | 33.3   | .52  | 334.9  | .084     | 1   | 1.94 | .026 | .06 | <.2   | .07    | 28     | .5     | .05    | 5.3    | .01  | -   |
| 71841    | .79    | 10.61  | 9.10   | 37.2   | 58     | 16.4   | 9.9    | 542    | 2.40 | 15.4   | .3    | 1.9    | 2.6    | 29.6   | .11    | .52    | .16    | 64    | .38  | .015 | 7.2    | 31.5   | .39  | 341.4  | .081     | 1   | 1.89 | .016 | .10 | <.2   | .07    | 13     | .2     | .05    | 5.4    | <.01 | -   |
| 71863    | 1.12   | 24.96  | 9.60   | 66.6   | 82     | 19.3   | 11.0   | 473    | 2.69 | 193.8  | .6    | 11.6   | 2.8    | 19.1   | .14    | .34    | .15    | 59    | .36  | .054 | 7.9    | 51.6   | 1.15 | 331.1  | .119     | 1   | 1.63 | .011 | .28 | .5    | .16    | 14     | .5     | .03    | 5.5    | <.01 | 5.1 |
| 71864    | 1.76   | 33.77  | 31.67  | 107.9  | 328    | 45.6   | 13.6   | 400    | 3.54 | 556.8  | .9    | 11.0   | 5.2    | 38.3   | .46    | .69    | .29    | 71    | .57  | .062 | 15.6   | 81.9   | 1.50 | 205.3  | .115     | 1   | 2.24 | .020 | .08 | .3    | .26    | 28     | 1.0    | .06    | 6.7    | .01  | -   |
| 71865    | .98    | 33.04  | 13.12  | 68.1   | 107    | 21.8   | 12.4   | 605    | 2.97 | 417.4  | .7    | 13.6   | 2.7    | 17.3   | .16    | .64    | .18    | 83    | .24  | .038 | 9.1    | 45.6   | 1.02 | 261.5  | .098     | 1   | 2.12 | .015 | .08 | .4    | .11    | 28     | .4     | .06    | 6.7    | <.01 | -   |
| 71866    | .86    | 25.41  | 12.32  | 70.7   | 55     | 31.2   | 11.4   | 408    | 2.96 | 334.8  | .9    | 18.2   | 3.9    | 21.1   | .14    | .66    | .19    | 75    | .29  | .033 | 12.6   | 59.0   | 1.14 | 481.6  | .124     | 1   | 2.27 | .016 | .10 | .5    | .13    | 22     | .5     | .05    | 6.4    | <.01 | -   |
| 71867    | 1.18   | 23.71  | 21.34  | 79.9   | 98     | 24.4   | 11.0   | 316    | 2.60 | 206.1  | 1.1   | 8.8    | 5.7    | 26.5   | .26    | .69    | .24    | 61    | .40  | .036 | 16.6   | 44.5   | .85  | 303.6  | .109     | 1   | 2.18 | .019 | .06 | .3    | .17    | 34     | .8     | .07    | 6.3    | <.01 | 4.2 |
| 71868    | 1.06   | 16.74  | 16.83  | 60.2   | 76     | 18.4   | 7.6    | 218    | 2.38 | 59.7   | .9    | 4.7    | 7.2    | 20.9   | .18    | .50    | .18    | 53    | .26  | .034 | 18.4   | 30.5   | .57  | 189.1  | .090     | 1   | 1.75 | .014 | .07 | .3    | .13    | 24     | .5     | .04    | 5.4    | <.01 | -   |
| 71869    | 1.42   | 15.50  | 17.26  | 69.0   | 65     | 17.1   | 6.9    | 233    | 2.40 | 242.3  | .9    | 12.8   | 5.8    | 17.4   | .18    | .57    | .29    | 53    | .20  | .038 | 16.0   | 29.9   | .57  | 127.7  | .075     | 1   | 1.78 | .013 | .07 | .4    | .11    | 34     | .6     | .05    | 5.8    | <.01 | -   |
| 71870    | 2.93   | 59.99  | 42.19  | 169.3  | 233    | 32.1   | 29.3   | 640    | 4.41 | 38.4   | 1.9   | 2.7    | 8.5    | 44.3   | .57    | .24    | .31    | 96    | .79  | .071 | 13.8   | 297.8  | 3.77 | 191.7  | .163     | <1  | 3.33 | .013 | .35 | .2    | .71    | 25     | 2.4    | .08    | 10.5   | <.01 | -   |
| 71871    | 8.23   | 25.71  | 72.00  | 79.3   | 233    | 38.3   | 18.4   | 734    | 2.80 | 67.4   | 5.6   | 3.6    | 12.3   | 54.6   | .33    | .35    | .80    | 36    | 1.04 | .050 | 21.0   | 49.6   | .99  | 127.6  | .061     | 1   | 1.34 | .019 | .06 | .4    | .17    | 38     | 2.0    | .11    | 4.2    | .06  | 5.2 |
| 71872    | 2.94   | 27.44  | 15.43  | 105.8  | 271    | 20.2   | 9.8    | 1255   | 2.87 | 144.8  | 1.0   | 2.1    | 1.9    | 18.9   | .75    | 1.24   | .28    | 64    | .09  | .061 | 11.7   | 17.0   | .37  | 234.2  | .052     | 1   | 1.13 | .010 | .07 | .2    | .12    | 27     | .7     | .08    | 6.4    | <.01 | -   |
| 71873    | 5.60   | 75.71  | 24.94  | 156.0  | 370    | 45.3   | 7.5    | 181    | 3.57 | 1208.9 | 3.4   | 19.5   | 6.1    | 55.5   | .97    | 3.32   | .39    | 43    | .07  | .085 | 22.3   | 15.0   | .19  | 548.0  | .025     | 2   | 1.14 | .017 | .14 | .3    | .13    | 15     | 5.2    | .25    | 4.0    | .18  | -   |
| 71874    | 2.12   | 23.87  | 16.60  | 33.1   | 273    | 6.5    | 1.2    | 29     | 1.44 | 105.0  | 1.3   | 8.8    | 4.5    | 42.4   | .35    | .64    | .25    | 25    | .03  | .056 | 20.3   | 10.2   | .05  | 184.1  | .010     | 1   | .57  | .014 | .11 | <.2   | .10    | 27     | 2.0    | .09    | 3.8    | .18  | -   |
| STANDARD | 14.09  | 128.25 | 30.66  | 163.1  | 246    | 35.9   | 12.7   | 815    | 3.17 | 61.0   | 20.5  | 208.3  | 3.4    | 30.2   | 11.76  | 9.91   | 10.60  | 81    | .54  | .082 | 14.0   | 168.0  | .59  | 141.0  | .112     | 2   | 1.73 | .039 | .16 | 7.2   | 1.98   | 241    | 2.8    | 1.88   | 6.0    | .02  | -   |



| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Hg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S ppm | pH  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|--------|--------|--------|--------|--------|-------|-----|
| 73761        | .81    | 13.99  | 11.29  | 30.3   | 106    | 7.6    | 4.4    | 184    | 1.58 | 12.2   | .4    | 4.4    | 1.2    | 16.7   | .09    | .42    | .18    | 53    | .14  | .016 | 9.9    | 14.3   | .22  | 154.5  | .058 | 1     | 1.14 | .012 | .03 | <.2   | .09    | 15     | .4     | .04    | 5.7    | <.01  | 3.2 |
| RE 73770     | .85    | 17.20  | 4.60   | 62.0   | 56     | 11.1   | 5.8    | 304    | 2.45 | 152.8  | .6    | 7.9    | 2.0    | 10.4   | .07    | .23    | .14    | 58    | .10  | .022 | 5.5    | 25.0   | .83  | 234.5  | .114 | <1    | 1.23 | .007 | .24 | .2    | .19    | 12     | .4     | .03    | 6.8    | <.01  | -   |
| 73762        | .77    | 18.95  | 10.67  | 61.0   | 103    | 17.3   | 8.6    | 371    | 2.71 | 19.7   | .7    | 10.4   | 4.4    | 19.4   | .08    | .61    | .16    | 60    | .17  | .018 | 10.7   | 24.5   | .37  | 284.4  | .062 | 1     | 1.75 | .011 | .04 | <.2   | .10    | 11     | .2     | .03    | 5.2    | .01   | -   |
| 73763        | .83    | 22.74  | 13.22  | 82.5   | 87     | 28.3   | 11.0   | 565    | 3.16 | 22.2   | 1.0   | 13.2   | 5.3    | 44.8   | .13    | .64    | .19    | 74    | .45  | .036 | 14.1   | 45.0   | .69  | 579.0  | .099 | <1    | 2.32 | .022 | .06 | .2    | .09    | 22     | .6     | .06    | 6.4    | .01   | -   |
| 73764        | .75    | 18.12  | 10.29  | 59.1   | 117    | 18.4   | 7.5    | 266    | 2.54 | 29.6   | .8    | 5.8    | 3.8    | 33.1   | .12    | .61    | .17    | 62    | .31  | .020 | 10.9   | 29.8   | .47  | 295.6  | .078 | 1     | 1.71 | .017 | .06 | <.2   | .07    | 30     | .5     | .05    | 5.4    | .02   | -   |
| 73765        | .63    | 27.66  | 9.09   | 76.3   | 100    | 26.2   | 9.9    | 340    | 2.55 | 13.0   | .8    | 3.5    | 3.8    | 52.2   | .22    | .87    | .27    | 58    | .78  | .074 | 11.6   | 33.5   | .63  | 318.5  | .091 | 2     | 1.45 | .039 | .07 | .3    | .08    | 44     | 1.0    | .07    | 4.4    | .03   | 5.6 |
| 73766        | .45    | 37.40  | 11.96  | 76.8   | 148    | 36.3   | 11.9   | 727    | 2.79 | 80.1   | 1.6   | 13.1   | 6.2    | 68.7   | .22    | .77    | .17    | 64    | .87  | .085 | 18.3   | 43.5   | .91  | 283.8  | .092 | 1     | 1.71 | .029 | .12 | .3    | .15    | 50     | .7     | .07    | 5.4    | .02   | -   |
| 73767        | .83    | 17.50  | 21.52  | 58.7   | 50     | 23.5   | 12.2   | 555    | 2.90 | 66.8   | .8    | 1.7    | 4.8    | 42.7   | .14    | .75    | .20    | 70    | .58  | .013 | 10.1   | 35.7   | .48  | 221.3  | .103 | 1     | 1.86 | .024 | .10 | .2    | .09    | 20     | .7     | .06    | 5.7    | .01   | -   |
| 73768        | 1.00   | 46.09  | 12.86  | 101.4  | 38     | 32.8   | 12.1   | 225    | 4.36 | 88.6   | 1.8   | 7.1    | 13.5   | 32.6   | .12    | .81    | .12    | 50    | .37  | .038 | 33.7   | 38.2   | .76  | 212.8  | .091 | <1    | 2.35 | .011 | .40 | <.2   | .16    | 19     | .4     | .07    | 7.2    | .02   | -   |
| 73769        | .77    | 20.27  | 9.21   | 54.5   | 37     | 24.4   | 10.1   | 403    | 2.59 | 21.5   | .6    | 2.1    | 3.9    | 34.0   | .07    | .57    | .13    | 68    | .35  | .014 | 10.7   | 38.2   | .60  | 271.1  | .126 | <1    | 1.79 | .026 | .12 | <.2   | .07    | 20     | .5     | .06    | 5.4    | .01   | 4.6 |
| 73770        | .95    | 17.97  | 5.66   | 67.2   | 64     | 11.9   | 6.3    | 327    | 2.62 | 163.9  | .6    | 40.3   | 2.3    | 10.7   | .10    | .23    | .13    | 63    | .11  | .024 | 5.8    | 26.3   | .91  | 262.4  | .127 | <1    | 1.35 | .007 | .24 | .2    | .20    | 13     | .3     | .03    | 7.1    | .01   | -   |
| 73771        | .75    | 7.09   | 4.34   | 41.0   | 38     | 5.1    | 3.1    | 139    | 1.59 | 55.1   | .4    | 3.4    | 2.8    | 8.1    | .04    | .26    | .09    | 31    | .09  | .012 | 6.3    | 6.0    | .55  | 106.4  | .086 | <1    | 1.01 | .005 | .06 | .2    | .08    | 9      | .3     | .04    | 5.1    | .02   | -   |
| 73772        | 1.02   | 31.97  | 9.28   | 83.8   | 66     | 33.2   | 11.4   | 374    | 3.14 | 136.9  | .7    | 10.2   | 2.7    | 23.0   | .12    | .49    | .34    | 79    | .27  | .026 | 8.0    | 66.3   | 1.10 | 315.5  | .110 | 1     | 2.09 | .012 | .17 | .5    | .15    | 17     | .6     | .06    | 7.0    | <.01  | -   |
| 73773        | 1.61   | 20.68  | 20.10  | 58.5   | 26     | 22.3   | 8.3    | 244    | 2.91 | 158.8  | .5    | 2.9    | 4.3    | 13.0   | .15    | .84    | .26    | 77    | .09  | .021 | 10.9   | 42.8   | .47  | 149.1  | .093 | 1     | 1.89 | .009 | .05 | .3    | .12    | 13     | .6     | .08    | 7.0    | .02   | 3.7 |
| 73774        | 2.59   | 12.11  | 40.94  | 47.5   | 15     | 11.2   | 3.5    | 246    | 1.95 | 438.0  | .7    | 3.2    | 6.7    | 3.0    | .27    | .65    | .64    | 24    | .01  | .034 | 27.6   | 8.9    | .04  | 49.8   | .009 | <1    | .48  | .002 | .07 | .8    | .11    | 8      | .6     | .04    | 1.8    | .03   | -   |
| 73775        | 3.48   | 38.66  | 17.07  | 122.4  | 47     | 40.0   | 17.9   | 357    | 3.30 | 10.6   | .7    | 1.0    | 4.7    | 24.4   | .20    | .37    | .56    | 59    | .18  | .027 | 12.3   | 76.8   | 1.31 | 266.5  | .132 | <1    | 1.76 | .013 | .21 | <.2   | .15    | 12     | 1.2    | .06    | 7.2    | .09   | -   |
| 73776        | 1.89   | 19.41  | 14.39  | 64.2   | 110    | 14.9   | 5.4    | 214    | 1.92 | 224.6  | .6    | 12.6   | 2.4    | 25.1   | .15    | .54    | .23    | 43    | .25  | .023 | 7.7    | 17.5   | .54  | 184.6  | .072 | 1     | 1.16 | .011 | .07 | .6    | .11    | 19     | .6     | .09    | 5.3    | .04   | -   |
| 73777        | 2.24   | 36.10  | 13.02  | 90.6   | 200    | 30.9   | 11.1   | 355    | 2.57 | 222.9  | 1.5   | 25.0   | 3.3    | 31.0   | .48    | 1.03   | .17    | 64    | .28  | .051 | 11.0   | 35.5   | .57  | 351.3  | .083 | <1    | 1.64 | .017 | .06 | .2    | .10    | 23     | 1.4    | .07    | 5.2    | .03   | 4.0 |
| 73778        | 2.87   | 41.80  | 14.34  | 122.6  | 383    | 40.2   | 10.1   | 277    | 2.75 | 231.1  | 1.6   | 12.5   | 2.0    | 37.6   | .77    | 1.52   | .21    | 66    | .25  | .059 | 13.9   | 29.9   | .49  | 317.0  | .061 | 1     | 1.79 | .016 | .09 | .2    | .14    | 33     | 1.3    | .07    | 5.8    | .06   | -   |
| 73779        | 2.22   | 33.88  | 14.51  | 72.9   | 326    | 24.7   | 8.2    | 191    | 2.70 | 134.0  | 1.3   | 6.7    | 3.2    | 23.0   | .52    | 1.44   | .20    | 69    | .16  | .030 | 10.7   | 32.7   | .42  | 276.3  | .088 | 1     | 1.99 | .019 | .06 | <.2   | .13    | 35     | 1.2    | .08    | 6.2    | .02   | -   |
| 73780        | 1.90   | 33.07  | 14.21  | 79.0   | 170    | 22.7   | 7.9    | 221    | 2.70 | 109.2  | 1.2   | 4.1    | 4.4    | 23.0   | .28    | 1.65   | .17    | 62    | .14  | .037 | 12.5   | 31.1   | .52  | 275.5  | .080 | <1    | 1.61 | .014 | .08 | <.2   | .15    | 26     | 1.2    | .09    | 4.8    | .07   | -   |
| 73781        | 2.76   | 27.98  | 13.14  | 62.1   | 134    | 21.2   | 7.5    | 183    | 3.11 | 135.7  | 1.1   | 4.7    | 2.9    | 15.2   | .17    | 1.79   | .24    | 88    | .10  | .029 | 11.1   | 33.9   | .43  | 293.3  | .081 | 1     | 2.01 | .011 | .06 | .2    | .15    | 23     | 1.3    | .10    | 7.7    | .04   | 3.4 |
| 73782        | 2.11   | 20.58  | 11.19  | 60.8   | 66     | 19.6   | 6.5    | 211    | 3.09 | 215.2  | .8    | 3.5    | 3.2    | 15.6   | .19    | 1.28   | .25    | 76    | .10  | .047 | 14.4   | 25.1   | .30  | 187.7  | .058 | <1    | 1.39 | .010 | .07 | .2    | .11    | 12     | .8     | .10    | 6.2    | .03   | -   |
| 73783        | 1.26   | 17.88  | 16.54  | 50.8   | 60     | 18.8   | 7.7    | 214    | 2.99 | 73.1   | .6    | 4.6    | 5.5    | 13.0   | .13    | .79    | .25    | 78    | .12  | .022 | 12.0   | 39.1   | .47  | 158.1  | .092 | 1     | 2.11 | .012 | .05 | <.2   | .16    | 15     | .7     | .04    | 7.6    | <.01  | -   |
| 73784        | .93    | 20.97  | 88.19  | 51.9   | 24     | 23.2   | 9.8    | 247    | 2.74 | 13.0   | 1.3   | 2.8    | 8.9    | 13.7   | .11    | .70    | .20    | 69    | .14  | .022 | 20.2   | 34.5   | .50  | 189.7  | .093 | 1     | 2.29 | .013 | .07 | .2    | .12    | 46     | .9     | .04    | 6.2    | <.01  | -   |
| 73785        | .83    | 26.17  | 27.36  | 82.8   | 30     | 35.4   | 13.4   | 417    | 3.00 | 122.6  | .8    | 9.2    | 4.1    | 22.5   | .16    | .98    | .18    | 72    | .22  | .025 | 13.2   | 37.7   | .61  | 431.7  | .081 | 1     | 2.03 | .015 | .05 | <.2   | .09    | 31     | .7     | .08    | 5.5    | .01   | 3.8 |
| 73786        | 1.40   | 32.63  | 11.87  | 58.0   | 230    | 30.6   | 13.6   | 342    | 2.91 | 17.9   | .9    | 3.3    | 5.3    | 16.4   | .18    | .65    | .19    | 75    | .16  | .030 | 10.0   | 46.5   | .49  | 262.5  | .086 | 1     | 2.65 | .016 | .05 | .2    | .12    | 56     | .8     | .06    | 6.0    | <.01  | -   |
| 73787        | 1.48   | 18.13  | 13.97  | 47.8   | 115    | 25.1   | 10.9   | 252    | 3.29 | 15.4   | .7    | 2.8    | 4.8    | 16.4   | .13    | .65    | .24    | 85    | .15  | .030 | 10.7   | 36.6   | .43  | 251.7  | .088 | 1     | 2.46 | .014 | .04 | .2    | .12    | 37     | .7     | .06    | 7.3    | .01   | -   |
| 73788        | .92    | 17.45  | 8.80   | 59.3   | 32     | 23.7   | 18.2   | 488    | 3.55 | 12.8   | .5    | 3.4    | 4.2    | 12.8   | .11    | 1.14   | .13    | 65    | .13  | .025 | 9.8    | 32.5   | .63  | 313.1  | .047 | 1     | 2.46 | .012 | .08 | <.2   | .10    | 21     | .5     | .07    | 5.3    | <.01  | -   |
| 73789        | .80    | 21.80  | 10.29  | 59.0   | 161    | 26.5   | 10.8   | 277    | 2.69 | 24.8   | .4    | 3.9    | 3.8    | 18.7   | .07    | .67    | .14    | 67    | .19  | .020 | 8.3    | 37.0   | .56  | 245.4  | .080 | 1     | 1.87 | .013 | .04 | <.2   | .07    | 16     | .6     | .06    | 4.9    | .01   | 4.2 |
| 73790        | 2.39   | 17.20  | 16.11  | 73.9   | 271    | 23.8   | 9.3    | 319    | 3.96 | 38.8   | .5    | 3.2    | 3.2    | 12.9   | .16    | .95    | .29    | 95    | .12  | .059 | 7.6    | 40.4   | .49  | 309.9  | .076 | 1     | 2.14 | .010 | .04 | .2    | .09    | 26     | .6     | .08    | 7.1    | <.01  | -   |
| 73791        | 2.63   | 32.86  | 15.23  | 75.8   | 347    | 26.7   | 9.8    | 317    | 2.57 | 75.5   | .7    | 2.7    | 5.1    | 13.3   | .19    | 1.69   | .24    | 48    | .07  | .025 | 16.6   | 32.2   | .39  | 308.3  | .039 | 1     | 1.44 | .010 | .09 | <.2   | .13    | 18     | .9     | .08    | 5.5    | .02   | -   |
| 73792        | 1.16   | 26.20  | 20.32  | 75.6   | 157    | 25.4   | 12.8   | 562    | 2.99 | 34.6   | .9    | 4.8    | 4.2    | 51.1   | .20    | 2.27   | .21    | 55    | .74  | .028 | 14.5   | 28.0   | .46  | 769.6  | .035 | 2     | 1.69 | .022 | .09 | <.2   | .08    | 28     | .9     | .06    | 4.4    | .01   | -   |
| 73793        | .94    | 18.24  | 12.00  | 60.4   | 156    | 16.2   | 9.7    | 484    | 2.99 | 6.7    | .9    | 1.0    | 2.0    | 72.9   | .25    | .83    | .19    | 60    | .60  | .039 | 10.0   | 23.3   | .42  | 1155.3 | .025 | 4     | 1.75 | .017 | .15 | <.2   | .09    | 40     | .7     | .05    | 5.2    | .04   | 5.3 |
| STANDARD DS2 | 14.17  | 127.   |        |        |        |        |        |        |      |        |       |        |        |        |        |        |        |       |      |      |        |        |      |        |      |       |      |      |     |       |        |        |        |        |        |       |     |



| SAMPLE#  | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % ppm | B % | Al % | Na % | K % ppm | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  | pH  |   |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|-----|------|------|---------|-------|--------|--------|--------|--------|--------|------|-----|---|
| 73979    | 1.94   | 30.98  | 20.68  | 94.0   | 206    | 32.4   | 12.5   | 739    | 2.69 | 132.4  | 1.9   | 13.0   | 3.1    | 109.1  | .79    | .84    | .23    | 56    | 1.18 | .055 | 13.1   | 44.4   | .73  | 409.4  | .062     | 3   | 1.91 | .027 | .08     | .2    | .09    | 61     | 1.3    | .07    | 4.9    | .05  | 5.5 | - |
| 73980    | 1.04   | 43.13  | 17.67  | 105.5  | 177    | 70.0   | 16.5   | 441    | 3.18 | 309.9  | 1.2   | 10.3   | 5.6    | 54.6   | .29    | .97    | .21    | 67    | .06  | .053 | 14.1   | 132.0  | 1.73 | 296.3  | .078     | 2   | 2.23 | .022 | .08     | .3    | .11    | 42     | 1.0    | .07    | 5.8    | <.01 | -   | - |
| 73981    | 2.06   | 30.66  | 15.09  | 81.6   | 207    | 31.2   | 12.9   | 493    | 2.98 | 398.6  | .9    | 9.2    | 4.2    | 46.3   | .47    | 1.60   | .31    | 66    | .42  | .033 | 11.0   | 36.1   | .59  | 387.4  | .074     | 2   | 1.95 | .025 | .08     | .3    | .12    | 33     | 1.1    | .09    | 5.5    | .02  | -   | - |
| 73982    | 1.06   | 22.27  | 15.95  | 81.1   | 75     | 25.7   | 11.9   | 603    | 2.76 | 130.3  | .8    | 5.5    | 3.5    | 40.5   | .39    | .93    | .18    | 60    | .45  | .030 | 9.5    | 34.6   | .50  | 374.0  | .077     | 1   | 1.68 | .019 | .15     | .2    | .08    | 34     | .7     | .03    | 5.4    | .02  | -   | - |
| 73983    | .69    | 26.34  | 23.29  | 81.3   | 105    | 22.3   | 11.0   | 590    | 2.71 | 44.8   | 1.0   | 7.6    | 4.2    | 42.9   | .18    | .71    | .17    | 65    | .52  | .026 | 12.1   | 38.3   | .57  | 392.8  | .096     | 1   | 1.94 | .028 | .07     | <.2   | .06    | 29     | .7     | .06    | 5.7    | <.01 | 4.6 | - |
| 73984    | .88    | 24.11  | 22.62  | 99.0   | 104    | 32.0   | 14.7   | 639    | 3.00 | 85.6   | .8    | 4.5    | 4.3    | 42.1   | .30    | .69    | .16    | 67    | .41  | .032 | 11.8   | 47.6   | .59  | 273.1  | .092     | 1   | 1.81 | .024 | .11     | <.2   | .07    | 35     | .6     | .05    | 5.8    | .03  | -   | - |
| 73985    | .68    | 20.32  | 11.97  | 52.7   | 92     | 23.0   | 9.8    | 490    | 2.51 | 144.4  | .9    | 5.8    | 4.3    | 51.3   | .14    | .69    | .15    | 57    | .54  | .021 | 11.7   | 32.3   | .50  | 320.6  | .078     | 1   | 1.54 | .024 | .06     | <.2   | .06    | 21     | .7     | .07    | 5.1    | .01  | -   | - |
| 73986    | .82    | 21.41  | 15.11  | 60.6   | 99     | 23.0   | 11.8   | 574    | 2.65 | 89.7   | .8    | 8.8    | 4.6    | 39.5   | .21    | .70    | .16    | 63    | .40  | .024 | 12.4   | 37.8   | .54  | 314.3  | .090     | 1   | 1.87 | .024 | .10     | <.2   | .09    | 29     | .4     | .05    | 5.7    | .02  | -   | - |
| 73987    | .88    | 20.69  | 15.03  | 55.3   | 90     | 27.6   | 11.8   | 414    | 2.78 | 77.4   | 1.0   | 2.6    | 5.1    | 27.5   | .13    | .60    | .17    | 68    | .21  | .019 | 18.1   | 43.9   | .56  | 279.8  | .104     | 1   | 1.81 | .019 | .12     | <.2   | .12    | 22     | .6     | .06    | 6.2    | .02  | 3.9 | - |
| 73988    | .76    | 14.97  | 11.63  | 55.2   | 132    | 17.3   | 7.4    | 351    | 2.44 | 34.0   | .9    | 1.9    | 2.8    | 47.1   | .16    | .59    | .16    | 67    | .39  | .026 | 11.3   | 27.8   | .38  | 343.5  | .048     | 1   | 1.73 | .016 | .05     | <.2   | .10    | 28     | .5     | .04    | 6.1    | .04  | -   | - |
| 73989    | .94    | 11.91  | 9.88   | 99.0   | 45     | 13.8   | 10.0   | 2395   | 2.19 | 16.9   | .3    | 1.7    | 1.1    | 55.7   | .84    | .42    | .18    | 61    | .48  | .040 | 6.4    | 24.3   | .30  | 483.3  | .073     | 1   | 1.45 | .018 | .06     | <.2   | .08    | 41     | .3     | .04    | 6.2    | .04  | -   | - |
| 73990    | .88    | 8.37   | 7.90   | 37.6   | 96     | 6.5    | 3.3    | 146    | 1.53 | 21.6   | .3    | 1.4    | 1.2    | 10.9   | .14    | .35    | .14    | 46    | .09  | .033 | 5.7    | 15.0   | .12  | 80.6   | .059     | 1   | .69  | .011 | .05     | <.2   | .06    | 24     | .3     | .04    | 4.6    | .04  | -   | - |
| 73991    | .90    | 19.63  | 10.35  | 55.8   | 65     | 20.3   | 8.9    | 813    | 2.33 | 57.3   | .6    | 2.6    | 2.5    | 47.5   | .45    | .57    | .14    | 53    | .44  | .038 | 11.6   | 28.0   | .38  | 304.5  | .068     | 2   | 1.47 | .019 | .35     | <.2   | .06    | 65     | .6     | .04    | 4.8    | .04  | 5.4 | - |
| 73992    | 1.09   | 30.51  | 12.99  | 63.1   | 164    | 26.4   | 11.8   | 727    | 2.71 | 77.8   | 1.0   | 2.7    | 4.4    | 42.0   | .21    | .61    | .16    | 62    | .35  | .024 | 13.2   | 37.2   | .51  | 411.3  | .078     | 1   | 1.97 | .027 | .09     | .2    | .08    | 33     | .6     | .05    | 5.8    | .02  | -   | - |
| 73993    | .56    | 20.33  | 18.19  | 196.3  | 122    | 24.0   | 10.4   | 429    | 2.51 | 58.6   | .9    | 7.9    | 4.6    | 61.2   | .86    | .63    | .32    | 51    | .67  | .030 | 11.4   | 32.8   | .46  | 292.2  | .065     | 1   | 1.50 | .024 | .08     | .2    | .10    | 19     | .6     | .06    | 5.0    | .01  | -   | - |
| 73994    | .92    | 25.10  | 17.40  | 73.3   | 147    | 26.5   | 11.3   | 651    | 2.65 | 27.0   | .8    | 6.5    | 3.3    | 55.7   | .42    | .67    | .17    | 67    | .61  | .025 | 13.8   | 33.2   | .51  | 450.3  | .084     | 1   | 1.79 | .018 | .07     | .2    | .08    | 43     | .7     | .05    | 5.5    | .03  | -   | - |
| 73995    | .63    | 50.31  | 346.18 | 370.7  | 191    | 23.5   | 9.0    | 376    | 3.09 | 19.8   | .8    | 40.1   | 4.6    | 35.0   | .76    | .62    | .24    | 83    | .45  | .027 | 16.4   | 44.7   | .86  | 273.7  | .084     | 1   | 2.08 | .014 | .09     | <.2   | .11    | 36     | .9     | .04    | 6.9    | .02  | 5.2 | - |
| 73996    | .50    | 21.07  | 17.25  | 103.9  | 75     | 26.8   | 14.0   | 635    | 3.79 | 10.7   | .4    | 3.7    | 2.1    | 56.3   | .82    | .36    | .10    | 87    | .64  | .051 | 9.5    | 64.7   | 1.15 | 400.0  | .136     | 1   | 2.22 | .053 | .05     | <.2   | .06    | 22     | .6     | .03    | 6.3    | <.01 | -   | - |
| RE 73996 | .54    | 20.84  | 16.46  | 100.9  | 75     | 27.4   | 14.6   | 611    | 3.73 | 11.4   | .5    | 3.9    | 2.1    | 59.4   | .73    | .37    | .10    | 85    | .63  | .051 | 9.6    | 63.4   | 1.13 | 392.2  | .130     | 1   | 2.19 | .050 | .05     | <.2   | .06    | 19     | .6     | .05    | 6.5    | <.01 | -   | - |
| 73997    | .93    | 20.66  | 9.95   | 68.2   | 279    | 17.8   | 9.2    | 397    | 2.85 | 9.2    | .4    | 3.7    | 2.9    | 20.7   | .16    | .51    | .13    | 85    | .16  | .018 | 7.8    | 32.5   | .54  | 292.5  | .113     | 1   | 1.85 | .014 | .06     | <.2   | .11    | 15     | .3     | .03    | 6.5    | .02  | -   | - |
| 73998    | .92    | 14.13  | 10.14  | 86.7   | 90     | 17.5   | 9.2    | 1145   | 2.57 | 7.3    | .3    | .8     | 2.9    | 15.0   | .37    | .50    | .16    | 70    | .13  | .041 | 8.6    | 28.3   | .42  | 302.6  | .074     | 1   | 1.89 | .015 | .04     | <.2   | .10    | 12     | .3     | .04    | 6.4    | .01  | -   | - |
| 73999    | .78    | 25.44  | 13.88  | 68.0   | 33     | 25.8   | 11.3   | 267    | 3.05 | 11.4   | .7    | 3.1    | 5.4    | 28.8   | .10    | .63    | .14    | 79    | .22  | .012 | 12.8   | 42.4   | .66  | 286.6  | .114     | <1  | 2.51 | .020 | .06     | <.2   | .08    | 19     | .6     | .05    | 6.9    | .01  | 4.4 | - |
| 74500    | .56    | 20.35  | 9.82   | 58.2   | 51     | 18.7   | 9.0    | 261    | 2.55 | 21.0   | 1.1   | 5.4    | 5.5    | 32.4   | .10    | .54    | .14    | 62    | .35  | .031 | 16.3   | 35.4   | .54  | 283.9  | .109     | 1   | 1.78 | .022 | .05     | <.2   | .07    | 22     | .7     | .02    | 5.2    | .01  | -   | - |
| 74501    | .77    | 25.09  | 15.52  | 68.6   | 166    | 24.9   | 9.8    | 292    | 2.88 | 66.2   | 1.2   | 5.8    | 4.4    | 33.1   | .20    | .65    | .19    | 64    | .33  | .033 | 15.8   | 42.9   | .53  | 267.5  | .091     | 1   | 2.20 | .019 | .07     | <.2   | .10    | 27     | .6     | .05    | 7.1    | .02  | -   | - |
| 74502    | .68    | 28.16  | 10.46  | 69.1   | 98     | 27.0   | 11.1   | 433    | 2.65 | 13.7   | .8    | 2.2    | 3.9    | 45.4   | .31    | .84    | .16    | 59    | .66  | .069 | 12.7   | 35.8   | .64  | 333.8  | .095     | 1   | 1.57 | .036 | .06     | .2    | .07    | 37     | .8     | .06    | 4.6    | .01  | -   | - |
| 74503    | .76    | 29.19  | 11.11  | 68.7   | 91     | 28.2   | 11.8   | 415    | 2.74 | 13.3   | .6    | 3.6    | 4.0    | 39.5   | .26    | .90    | .16    | 64    | .69  | .065 | 12.5   | 32.6   | .64  | 341.4  | .101     | 1   | 1.48 | .038 | .07     | .2    | .06    | 42     | .8     | .06    | 4.5    | .01  | 5.1 | - |
| 74504    | .63    | 24.19  | 8.44   | 60.5   | 73     | 26.1   | 12.2   | 412    | 2.63 | 12.1   | .6    | 3.1    | 3.5    | 38.4   | .23    | .71    | .13    | 65    | .66  | .058 | 10.5   | 36.9   | .62  | 258.2  | .098     | 2   | 1.49 | .037 | .07     | .2    | .06    | 32     | .8     | .03    | 4.4    | .01  | -   | - |
| 74505    | .76    | 16.29  | 38.58  | 80.7   | 131    | 16.0   | 7.4    | 340    | 2.45 | 69.3   | .6    | 8.6    | 2.6    | 23.9   | .56    | .62    | .16    | 68    | .26  | .025 | 9.8    | 29.9   | .43  | 274.9  | .091     | 1   | 1.80 | .015 | .05     | .2    | .07    | 29     | .4     | .03    | 5.9    | .01  | -   | - |
| 74506    | .91    | 12.94  | 11.13  | 72.1   | 61     | 17.3   | 7.8    | 247    | 2.76 | 22.3   | .4    | 1.9    | 2.2    | 22.6   | .53    | .53    | .17    | 75    | .23  | .040 | 7.3    | 34.5   | .45  | 231.2  | .072     | <1  | 2.00 | .013 | .09     | <.2   | .08    | 14     | .3     | .05    | 6.1    | .01  | -   | - |
| 74507    | 1.02   | 13.14  | 13.94  | 57.9   | 24     | 20.2   | 9.8    | 228    | 3.10 | 33.5   | .3    | 5.9    | 2.5    | 10.6   | .18    | .64    | .16    | 80    | .10  | .024 | 6.9    | 35.8   | .42  | 191.1  | .084     | 1   | 2.58 | .011 | .04     | .2    | .07    | 21     | .4     | .06    | 6.4    | .01  | 3.6 | - |
| 74508    | .86    | 13.98  | 13.92  | 47.3   | 120    | 13.5   | 7.0    | 229    | 2.43 | 22.5   | .4    | 15.1   | 2.5    | 21.7   | .14    | .49    | .14    | 59    | .20  | .020 | 7.6    | 25.3   | .38  | 204.0  | .076     | 1   | 1.56 | .014 | .07     | .2    | .05    | 26     | .3     | .05    | 5.3    | .02  | -   | - |
| 74509    | .67    | 21.59  | 18.41  | 52.2   | 190    | 20.5   | 11.3   | 721    | 2.77 | 88.9   | 1.0   | 10.9   | 3.7    | 54.4   | .22    | .60    | .16    | 61    | .46  | .027 | 11.4   | 33.7   | .44  | 577.9  | .082     | 1   | 1.98 | .026 | .06     | .2    | .06    | 39     | .7     | .04    | 5.5    | .02  | -   | - |
| 74510    | .52    | 38.22  | 19.93  | 84.7   | 312    | 30.3   | 10.4   | 444    | 2.60 | 138.2  | 2.1   | 24.4   | 3.4    | 75.7   | .31    | 1.22   | .13    | 52    | 1.05 | .065 | 13.0   | 33.3   | .53  | 379.8  | .073     | 1   | 1.48 | .030 | .07     | .2    | .05    | 38     | .8     | .05    | 4.4    | .03  | -   | - |
| 74511    | .79    | 22.09  | 21.05  | 79.0   | 74     | 26.3   | 14.7   | 849    | 3.31 | 106.3  | 1.4   | 4.6    | 4.5    | 49.7   | .18    | .81    | .16    | 70    | .69  | .043 | 13.4   | 38.1   | .59  | 47     |          |     |      |      |         |       |        |        |        |        |        |      |     |   |



| SAMPLE#  | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Tl % ppm | B ppm | Al % | Na % | K % ppm | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  | pH  |   |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|-------|------|------|---------|-------|--------|--------|--------|--------|--------|------|-----|---|
| 74513    | 1.53   | 18.21  | 14.21  | 54.1   | 66     | 31.9   | 13.9   | 874    | 3.25 | 68.7   | .6    | 3.1    | 4.4    | 48.1   | .19    | .74    | .22    | 77    | .47  | .013 | 10.2   | 47.0   | .54  | 428.3  | .065     | 2     | 2.25 | .022 | .08     | <.2   | .11    | 14     | .5     | .07    | 6.3    | <.01 | 4.5 | - |
| 74514    | 1.17   | 29.06  | 18.02  | 73.6   | 130    | 26.1   | 13.9   | 617    | 3.07 | 61.0   | .9    | 5.2    | 7.4    | 21.9   | .16    | .88    | .20    | 53    | .23  | .023 | 15.0   | 26.3   | .50  | 256.4  | .054     | 1     | 1.64 | .019 | .15     | <.2   | .08    | 15     | .6     | .07    | 4.8    | <.01 | -   | - |
| 74515    | .72    | 20.23  | 14.00  | 58.5   | 132    | 18.9   | 8.5    | 299    | 2.79 | 184.7  | .8    | 43.0   | 4.8    | 56.4   | .12    | .78    | .18    | 60    | .62  | .021 | 11.0   | 26.4   | .52  | 299.7  | .058     | 1     | 1.75 | .021 | .06     | <.2   | .07    | 13     | .5     | .07    | 5.1    | <.01 | -   |   |
| 74516    | .95    | 12.63  | 12.24  | 46.1   | 85     | 15.9   | 9.0    | 454    | 2.70 | 50.2   | .5    | 3.4    | 3.9    | 31.2   | .12    | .64    | .19    | 70    | .33  | .016 | 10.4   | 30.2   | .37  | 518.1  | .051     | 1     | 1.77 | .016 | .07     | <.2   | .10    | 14     | .3     | .04    | 5.6    | <.01 | -   |   |
| 74517    | 1.30   | 14.53  | 11.39  | 44.8   | 78     | 18.7   | 11.3   | 2316   | 2.57 | 15.4   | .7    | 4.4    | 2.6    | 37.7   | .14    | .50    | .28    | 69    | .45  | .020 | 7.6    | 36.2   | .45  | 589.0  | .069     | 1     | 1.98 | .022 | .06     | .2    | .11    | 25     | .5     | .06    | 5.6    | <.01 | 5.1 | - |
| 74518    | 1.80   | 11.91  | 17.27  | 67.5   | 68     | 19.4   | 9.2    | 902    | 3.49 | 166.6  | .8    | 7.8    | 3.5    | 38.0   | .29    | .72    | .20    | 67    | .33  | .036 | 11.4   | 25.1   | .31  | 482.7  | .029     | 1     | 1.63 | .014 | .07     | .2    | .10    | 25     | .5     | .07    | 5.4    | <.01 | -   |   |
| 74519    | .90    | 31.38  | 15.02  | 59.9   | 284    | 33.3   | 13.7   | 1800   | 3.31 | 32.3   | 1.1   | 8.5    | 5.8    | 36.7   | .31    | .78    | .23    | 70    | .39  | .027 | 15.0   | 39.7   | .54  | 970.3  | .076     | 1     | 2.31 | .022 | .11     | .2    | .11    | 25     | .4     | .07    | 6.5    | <.01 | -   |   |
| 74520    | .68    | 14.09  | 8.82   | 49.0   | 50     | 23.7   | 10.5   | 598    | 2.55 | 17.1   | .5    | 2.3    | 3.9    | 25.9   | .08    | .57    | .16    | 63    | .27  | .017 | 9.0    | 38.3   | .60  | 323.0  | .119     | 1     | 1.79 | .019 | .16     | .2    | .09    | 15     | .2     | .04    | 4.8    | <.01 | -   |   |
| 74521    | .95    | 12.07  | 11.76  | 46.4   | 97     | 19.7   | 9.5    | 652    | 2.55 | 62.3   | .5    | 8      | 4.0    | 31.0   | .13    | .61    | .18    | 63    | .34  | .016 | 9.4    | 33.7   | .45  | 472.7  | .071     | 1     | 1.89 | .015 | .10     | <.2   | .09    | 11     | .3     | .03    | 5.3    | <.01 | 5.0 | - |
| 74522    | .80    | 11.73  | 10.82  | 49.4   | 98     | 17.5   | 8.5    | 354    | 2.29 | 77.4   | .4    | 8      | 3.9    | 14.0   | .12    | .54    | .16    | 58    | .13  | .018 | 10.6   | 30.5   | .44  | 267.2  | .073     | 1     | 1.83 | .015 | .06     | .2    | .10    | <.5    | .2     | .04    | 5.3    | <.01 | -   |   |
| 74523    | 1.01   | 10.97  | 9.27   | 45.2   | 59     | 22.0   | 7.8    | 394    | 2.27 | 23.6   | .4    | 5      | 2.9    | 18.3   | .11    | .47    | .16    | 63    | .21  | .012 | 8.0    | 37.9   | .50  | 317.0  | .078     | <1    | 1.77 | .016 | .04     | <.2   | .10    | 13     | .3     | .04    | 5.2    | <.01 | -   |   |
| 74524    | .64    | 20.47  | 9.60   | 57.9   | 57     | 22.6   | 9.2    | 287    | 2.61 | 39.2   | .7    | 2.7    | 4.2    | 32.2   | .09    | .63    | .16    | 65    | .40  | .031 | 11.0   | 36.3   | .62  | 298.3  | .106     | 1     | 1.91 | .024 | .07     | <.2   | .07    | 27     | .5     | .05    | 5.4    | <.01 | -   |   |
| 74525    | .61    | 22.61  | 9.79   | 60.2   | 49     | 24.1   | 9.7    | 285    | 2.60 | 36.3   | 1.3   | 2.9    | 4.5    | 54.7   | .16    | .65    | .17    | 64    | .70  | .044 | 12.5   | 39.1   | .64  | 327.3  | .106     | 1     | 1.89 | .033 | .07     | .2    | .08    | 33     | .8     | .05    | 5.4    | <.01 | 5.7 | - |
| 74526    | .81    | 16.33  | 7.92   | 55.6   | 67     | 21.3   | 8.3    | 222    | 2.57 | 24.7   | .5    | 2.5    | 2.9    | 28.2   | .12    | .59    | .31    | 69    | .36  | .038 | 7.8    | 31.8   | .51  | 195.7  | .085     | 1     | 1.73 | .019 | .05     | .4    | .11    | 18     | .6     | .04    | 5.4    | <.01 | -   |   |
| 74527    | .75    | 16.60  | 10.43  | 47.1   | 117    | 17.1   | 8.9    | 683    | 2.20 | 16.3   | .5    | 8.9    | 1.7    | 37.7   | .15    | .52    | .25    | 62    | .35  | .030 | 8.2    | 24.9   | .37  | 498.6  | .068     | 1     | 1.51 | .017 | .08     | .2    | .09    | 18     | .4     | .03    | 5.3    | .02  | -   |   |
| 74528    | .76    | 15.25  | 11.34  | 51.5   | 58     | 19.9   | 9.1    | 782    | 2.35 | 11.9   | .5    | 3.3    | 2.3    | 36.2   | .13    | .56    | .19    | 63    | .37  | .025 | 7.4    | 27.6   | .46  | 448.6  | .073     | 1     | 1.65 | .016 | .07     | .2    | .08    | 20     | .4     | .05    | 5.0    | .01  | -   |   |
| 74529    | .77    | 28.59  | 16.26  | 60.4   | 188    | 23.0   | 11.1   | 882    | 2.43 | 23.9   | 1.7   | 7.2    | 2.3    | 75.8   | .32    | .65    | .18    | 60    | .63  | .038 | 11.4   | 27.5   | .46  | 441.0  | .073     | 1     | 1.73 | .023 | .09     | .2    | .06    | 34     | .9     | .05    | 5.0    | .02  | 5.1 | - |
| 74530    | .73    | 17.55  | 19.04  | 56.4   | 132    | 17.6   | 9.2    | 640    | 2.62 | 46.6   | 1.6   | 10.1   | 3.2    | 30.7   | .22    | .51    | .18    | 68    | .26  | .022 | 10.1   | 31.2   | .40  | 404.4  | .078     | 1     | 1.92 | .020 | .06     | .2    | .09    | 33     | .4     | .06    | 5.9    | <.01 | -   |   |
| 74531    | .65    | 35.09  | 13.09  | 66.6   | 219    | 24.4   | 10.5   | 496    | 3.08 | 22.6   | 1.4   | 9.8    | 3.2    | 56.5   | .27    | .62    | .21    | 74    | .57  | .037 | 10.5   | 31.7   | .48  | 548.4  | .081     | 1     | 2.48 | .024 | .06     | .2    | .08    | 53     | .9     | .04    | 6.9    | .02  | -   |   |
| RE 74525 | .58    | 22.54  | 9.44   | 57.6   | 47     | 22.7   | 9.1    | 275    | 2.50 | 34.6   | 1.3   | 3.7    | 4.3    | 52.2   | .14    | .63    | .16    | 62    | .67  | .043 | 11.9   | 34.2   | .57  | 288.2  | .094     | 1     | 1.71 | .028 | .06     | .2    | .08    | 25     | .7     | .04    | 5.2    | <.01 | -   |   |
| 74532    | .82    | 20.46  | 13.77  | 50.8   | 121    | 16.3   | 8.8    | 381    | 2.34 | 143.7  | .8    | 20.6   | 2.5    | 40.5   | .15    | .67    | .18    | 60    | .43  | .022 | 7.6    | 26.7   | .44  | 261.7  | .074     | 1     | 1.56 | .022 | .08     | .2    | .06    | 32     | .5     | .06    | 4.9    | .01  | -   |   |
| 74533    | .90    | 28.08  | 17.40  | 68.8   | 189    | 30.8   | 9.4    | 251    | 2.91 | 457.0  | 1.0   | 60.6   | 3.8    | 38.0   | .19    | 1.54   | .25    | 72    | .28  | .038 | 9.2    | 51.5   | .55  | 242.3  | .094     | 1     | 1.80 | .023 | .09     | .2    | .08    | 22     | .7     | .17    | 5.6    | .03  | 3.5 | - |
| 74534    | 1.09   | 38.77  | 26.18  | 93.0   | 236    | 35.9   | 12.3   | 467    | 3.33 | 806.2  | 1.4   | 30.5   | 5.9    | 53.5   | .32    | .97    | .40    | 78    | .58  | .041 | 11.1   | 53.1   | 1.15 | 340.8  | .096     | 1     | 2.05 | .024 | .15     | .2    | .19    | 26     | .9     | .11    | 6.6    | .03  | -   |   |
| 74535    | 1.33   | 35.48  | 16.32  | 100.4  | 350    | 44.4   | 8.1    | 257    | 2.99 | 414.3  | .9    | 8.7    | 4.6    | 54.6   | .46    | 1.15   | .24    | 65    | .50  | .039 | 12.2   | 66.8   | .87  | 441.0  | .069     | 1     | 2.04 | .018 | .11     | .2    | .17    | 31     | .7     | .08    | 6.2    | <.01 | -   |   |
| 74536    | 1.21   | 20.53  | 17.01  | 68.2   | 157    | 19.6   | 9.5    | 477    | 2.49 | 73.1   | .5    | 8.7    | 3.3    | 51.5   | .35    | .67    | .19    | 62    | .43  | .022 | 8.9    | 28.5   | .49  | 399.1  | .085     | 1     | 1.74 | .023 | .07     | .2    | .08    | 16     | .5     | .07    | 5.2    | <.01 | -   |   |
| 74537    | 1.55   | 42.18  | 18.86  | 122.9  | 464    | 45.4   | 12.7   | 497    | 2.97 | 336.0  | .9    | 16.9   | 3.7    | 43.2   | .69    | 1.34   | .23    | 75    | .36  | .026 | 12.8   | 36.3   | .46  | 1187.6 | .060     | <1    | 2.18 | .016 | .09     | .2    | .10    | 29     | .5     | .11    | 5.7    | <.01 | 4.1 | - |
| 74538    | 1.00   | 18.90  | 12.34  | 50.1   | 200    | 21.9   | 10.9   | 589    | 2.66 | 167.0  | .8    | 9.0    | 3.9    | 37.3   | .12    | .81    | .20    | 63    | .38  | .017 | 8.5    | 32.8   | .47  | 311.6  | .093     | 1     | 1.80 | .020 | .10     | .2    | .08    | 32     | .6     | .11    | 5.0    | <.01 | -   |   |
| 74539    | 1.07   | 14.86  | 9.92   | 55.4   | 84     | 21.5   | 11.1   | 558    | 2.81 | 59.9   | .6    | 1.1    | 4.0    | 30.6   | .15    | .70    | .18    | 75    | .34  | .018 | 9.1    | 40.2   | .50  | 368.7  | .101     | 1     | 2.21 | .021 | .10     | <.2   | .09    | 19     | .4     | .05    | 6.0    | <.01 | -   |   |
| 74540    | .63    | 23.83  | 15.50  | 57.0   | 101    | 25.9   | 10.9   | 457    | 2.80 | 66.1   | 2.0   | 10.9   | 3.8    | 94.9   | .16    | .72    | .17    | 59    | .96  | .028 | 12.6   | 32.4   | .51  | 510.3  | .055     | 1     | 1.81 | .034 | .07     | .2    | .08    | 26     | .6     | .06    | 4.8    | <.01 | -   |   |
| 74541    | .81    | 15.91  | 9.64   | 49.6   | 86     | 20.4   | 10.7   | 609    | 2.54 | 30.3   | .6    | 1.2    | 3.5    | 34.4   | .11    | .54    | .16    | 65    | .45  | .015 | 7.8    | 31.3   | .43  | 374.0  | .081     | 1     | 1.84 | .019 | .07     | <.2   | .08    | 19     | .6     | .03    | 5.2    | <.01 | 5.0 | - |
| 74542    | .90    | 18.98  | 14.78  | 63.9   | 64     | 24.4   | 12.3   | 1043   | 2.88 | 32.2   | .8    | 3.2    | 3.8    | 43.6   | .17    | .53    | .16    | 78    | .52  | .014 | 10.1   | 35.8   | .47  | 516.3  | .075     | 1     | 2.03 | .019 | .05     | <.2   | .08    | 25     | .5     | .05    | 5.7    | <.01 | -   |   |
| 74543    | .73    | 37.53  | 14.34  | 63.2   | 123    | 35.7   | 13.5   | 1125   | 3.22 | 84.3   | 2.0   | 5.3    | 6.2    | 45.8   | .23    | .81    | .22    | 65    | .72  | .029 | 18.3   | 39.1   | .50  | 586.7  | .062     | 1     | 2.19 | .024 | .08     | .2    | .08    | 41     | .6     | .05    | 6.1    | <.01 | -   |   |
| 74544    | .57    | 21.85  | 10.01  | 68.0   | 57     | 22.2   | 9.6    | 414    | 2.45 | 13.1   | .8    | 3.2    | 3.1    | 73.6   | .25    | .61    | .17    | 57    | 1.03 | .037 | 8.4    | 29.1   | .57  | 464.4  | .094     | 1     | 1.77 | .036 | .07     | .2    | .06    | 24     | .7     | .02    | 4.9    | <.01 | -   |   |
| 74545    | .92    | 17.03  | 12.21  | 56.5   | 72     | 20.9   | 7.9    | 214    | 2.63 | 117.5  | .6    | 4.2    | 4.9    | 19.8   | .09    | .59    | .16    | 60    | .23  | .017 | 11.6   | 32.9   | .47  | 307.6  | .074     | <1    | 1.69 | .013 | .08     | <.2   | .09    | 10     | .5     | .04    | 5.3    | <.01 | 3.7 | - |
| 7454     |        |        |        |        |        |        |        |        |      |        |       |        |        |        |        |        |        |       |      |      |        |        |      |        |          |       |      |      |         |       |        |        |        |        |        |      |     |   |



| SAMPLE#  | Mo    | Cu     | Pb    | Zn    | Ag  | Ni   | Co   | Mn  | Fe   | As     | U    | Au    | Th  | Sr    | Cd    | Sb    | Bi    | V   | Ca  | P    | La   | Cr    | Hg   | Ba    | Ti   | B  | Al   | Na   | K   | W   | Tl   | Hg  | Se  | Te   | Ga  | S    | pH  |
|----------|-------|--------|-------|-------|-----|------|------|-----|------|--------|------|-------|-----|-------|-------|-------|-------|-----|-----|------|------|-------|------|-------|------|----|------|------|-----|-----|------|-----|-----|------|-----|------|-----|
|          | ppm   | ppm    | ppm   | ppm   | ppb | ppm  | ppm  | ppm | %    | ppm    | ppm  | ppb   | ppm | ppm   | ppm   | ppm   | ppm   | ppm | %   | %    | ppm  | ppm   | %    | ppm   | %    | %  | %    | %    | %   | ppm | ppb  | ppm | ppm | ppm  | %   | -    |     |
| 74547    | .58   | 31.24  | 22.08 | 74.8  | 115 | 29.1 | 11.2 | 361 | 2.91 | 76.2   | .7   | 9.6   | 6.9 | 73.5  | .18   | .87   | .24   | 60  | .50 | .029 | 17.3 | 43.7  | .66  | 370.5 | .115 | 2  | 2.02 | .030 | .11 | .2  | .09  | 32  | .4  | .05  | 5.3 | <.01 | 5.3 |
| 74548    | .61   | 20.97  | 12.20 | 64.7  | 61  | 28.7 | 9.7  | 269 | 2.96 | 68.8   | .7   | 5.8   | 5.1 | 40.0  | .12   | .76   | .21   | 61  | .44 | .030 | 12.9 | 42.9  | .64  | 309.7 | .092 | 1  | 2.02 | .020 | .09 | .2  | .08  | 24  | .5  | .06  | 5.8 | <.01 | -   |
| 74549    | .53   | 32.22  | 11.14 | 70.0  | 81  | 26.4 | 12.3 | 422 | 2.87 | 19.4   | .8   | 3.9   | 4.8 | 41.8  | .11   | .83   | .20   | 62  | .55 | .042 | 13.3 | 38.9  | .69  | 314.2 | .108 | 2  | 1.87 | .032 | .07 | .2  | .07  | 37  | .8  | .07  | 5.2 | <.01 | -   |
| 74550    | .87   | 21.89  | 9.08  | 60.1  | 49  | 19.3 | 11.2 | 510 | 2.34 | 15.5   | .9   | 3.2   | 3.5 | 38.5  | .28   | .63   | .17   | 59  | .60 | .051 | 9.8  | 31.3  | .53  | 247.7 | .100 | 1  | 1.53 | .030 | .07 | .2  | .05  | 26  | .6  | .03  | 4.4 | .01  | -   |
| 74551    | .85   | 12.71  | 8.64  | 30.6  | 113 | 7.9  | 3.6  | 380 | 1.28 | 21.1   | .5   | 2.3   | 1.2 | 16.6  | .28   | .34   | .14   | 30  | .17 | .021 | 5.5  | 11.8  | .32  | 364.3 | .059 | 1  | .82  | .015 | .10 | .2  | .10  | 32  | .5  | .03  | 4.6 | .02  | 3.9 |
| 74552    | 1.38  | 28.27  | 31.69 | 86.1  | 110 | 24.1 | 8.6  | 329 | 2.84 | 631.6  | .9   | 12.6  | 4.4 | 17.4  | .30   | .63   | .31   | 46  | .16 | .051 | 10.3 | 26.9  | .86  | 160.3 | .072 | 1  | 1.63 | .009 | .13 | 1.0 | .15  | 11  | .8  | .06  | 5.0 | .02  | -   |
| 74553    | 5.75  | 48.12  | 22.05 | 166.9 | 465 | 41.1 | 7.1  | 237 | 3.29 | 416.8  | 1.5  | 9.4   | 4.1 | 32.4  | .91   | 2.71  | .30   | 63  | .09 | .071 | 17.0 | 24.0  | .38  | 409.2 | .042 | 1  | 1.26 | .015 | .08 | .4  | .13  | 15  | 2.3 | .11  | 5.2 | .11  | -   |
| 74554    | 3.96  | 34.61  | 13.80 | 104.7 | 321 | 36.9 | 10.6 | 427 | 3.45 | 385.6  | 1.0  | 5.1   | 2.9 | 20.5  | .40   | 2.18  | .24   | 92  | .15 | .072 | 10.2 | 41.0  | .60  | 454.9 | .046 | 1  | 2.32 | .014 | .08 | .2  | .13  | 27  | 1.2 | .11  | 7.3 | .03  | -   |
| 74555    | 1.71  | 14.99  | 11.12 | 45.4  | 535 | 8.0  | 3.5  | 188 | 1.77 | 71.9   | .5   | 1.6   | 2.2 | 16.7  | .29   | 1.05  | .21   | 51  | .11 | .071 | 10.3 | 14.6  | .15  | 268.6 | .061 | <1 | .90  | .015 | .07 | <.2 | .11  | 20  | .6  | .05  | 5.5 | .07  | 3.8 |
| 74556    | 2.34  | 22.61  | 14.87 | 66.2  | 261 | 15.4 | 5.2  | 214 | 3.13 | 186.6  | .6   | 1.2   | 3.0 | 12.4  | .23   | 1.99  | .27   | 88  | .09 | .132 | 10.5 | 32.1  | .41  | 137.7 | .071 | <1 | 1.67 | .010 | .06 | .2  | .15  | 15  | .7  | .07  | 8.6 | .05  | -   |
| 74557    | 2.19  | 29.82  | 11.44 | 66.1  | 75  | 22.6 | 9.0  | 241 | 3.89 | 377.6  | .9   | 6.3   | 4.6 | 15.0  | .12   | 1.75  | .24   | 85  | .10 | .027 | 11.3 | 42.9  | .51  | 231.9 | .067 | 1  | 2.41 | .012 | .07 | .2  | .15  | 24  | 1.2 | .08  | 7.1 | .06  | -   |
| 74558    | 3.47  | 39.20  | 14.66 | 71.9  | 191 | 23.9 | 8.5  | 241 | 3.56 | 344.8  | 1.9  | 11.0  | 2.0 | 26.9  | .24   | 2.71  | .30   | 68  | .16 | .070 | 11.8 | 34.2  | .54  | 369.9 | .054 | 1  | 1.97 | .013 | .10 | .2  | .14  | 30  | 2.0 | .10  | 5.6 | .12  | -   |
| 74559    | 3.38  | 36.89  | 13.04 | 100.0 | 114 | 22.8 | 4.8  | 156 | 2.90 | 589.7  | 1.1  | 7.8   | .5  | 30.4  | .46   | 2.43  | .31   | 61  | .04 | .062 | 18.0 | 13.3  | .09  | 118.9 | .023 | 1  | .65  | .011 | .07 | <.2 | .08  | 19  | 1.3 | .11  | 4.6 | .08  | 3.1 |
| 74560    | 2.04  | 27.49  | 14.47 | 92.6  | 48  | 29.6 | 10.4 | 294 | 3.53 | 98.5   | .8   | 2.8   | 4.2 | 19.4  | .42   | 1.59  | .28   | 86  | .12 | .031 | 13.6 | 38.2  | .53  | 226.4 | .079 | 1  | 2.27 | .014 | .06 | .2  | .15  | 14  | .7  | .08  | 7.3 | .02  | -   |
| RE 74560 | 2.01  | 27.32  | 14.31 | 92.6  | 53  | 29.6 | 10.4 | 292 | 3.58 | 97.4   | .8   | 4.0   | 4.1 | 18.6  | .44   | 1.61  | .27   | 85  | .12 | .032 | 12.9 | 39.3  | .55  | 229.6 | .070 | 1  | 2.30 | .013 | .06 | .2  | .14  | 24  | .7  | .08  | 7.1 | .01  | -   |
| 74561    | 3.52  | 43.38  | 13.66 | 121.4 | 232 | 21.7 | 5.2  | 247 | 2.65 | 126.6  | 2.0  | 1.4   | 4.0 | 32.2  | .35   | 2.61  | .27   | 41  | .09 | .071 | 17.0 | 20.7  | .49  | 287.9 | .048 | 1  | 1.04 | .018 | .23 | <.2 | .23  | 21  | 2.4 | .10  | 4.3 | .19  | -   |
| 74562    | 1.69  | 26.09  | 16.99 | 78.0  | 269 | 22.0 | 11.6 | 774 | 2.38 | 99.3   | 2.3  | 12.2  | 2.6 | 149.2 | .57   | 1.42  | .27   | 49  | .97 | .069 | 12.6 | 27.2  | .50  | 452.0 | .039 | 1  | 1.46 | .019 | .05 | .2  | .10  | 48  | 1.5 | .09  | 4.2 | .08  | -   |
| 74563    | 2.18  | 25.13  | 26.18 | 111.6 | 256 | 33.6 | 18.6 | 885 | 2.89 | 61.8   | 1.0  | 8.2   | 3.5 | 23.4  | .28   | 1.25  | .33   | 73  | .25 | .060 | 13.3 | 77.6  | .79  | 474.0 | .080 | 1  | 2.17 | .016 | .08 | .2  | .18  | 44  | .8  | .06  | 7.0 | .02  | 3.6 |
| 74564    | 2.69  | 27.61  | 24.34 | 86.5  | 533 | 22.3 | 12.7 | 464 | 2.49 | 79.2   | 1.2  | 6.0   | 1.5 | 26.4  | .27   | 1.16  | .41   | 58  | .25 | .070 | 11.0 | 32.3  | .46  | 470.0 | .047 | 1  | 1.88 | .015 | .07 | .2  | .12  | 69  | 1.1 | .08  | 6.3 | .07  | -   |
| 74565    | 1.66  | 38.06  | 24.52 | 98.8  | 272 | 25.0 | 16.0 | 580 | 3.55 | 43.9   | 2.2  | 6.7   | 4.9 | 60.3  | .32   | 2.77  | .27   | 57  | .77 | .050 | 17.6 | 31.5  | .56  | 802.9 | .028 | 2  | 2.09 | .019 | .07 | .2  | .12  | 78  | 1.2 | .06  | 5.3 | .05  | -   |
| 74566    | .40   | 2.93   | 2.19  | 35.6  | 3   | .6   | .5   | 18  | .35  | 1.4    | .5   | <.2   | 1.2 | 7.2   | .04   | 1.02  | .08   | 10  | .02 | .015 | 8.8  | .9    | .02  | 252.8 | .002 | 4  | .51  | .008 | .07 | <.2 | .09  | 7   | .2  | <.02 | 2.7 | .03  | -   |
| 74567    | .91   | 76.93  | 17.95 | 66.2  | 36  | 20.3 | 23.2 | 409 | 5.71 | 9.9    | .7   | 1.0   | 2.1 | 10.9  | .10   | 10.59 | .28   | 124 | .08 | .021 | 6.5  | 30.3  | .52  | 399.9 | .026 | 3  | 2.57 | .010 | .10 | <.2 | .17  | 16  | .6  | .05  | 6.3 | <.01 | 3.8 |
| 74568    | 1.23  | 19.80  | 25.86 | 88.8  | 169 | 15.9 | 8.6  | 455 | 2.99 | 753.5  | .8   | 15.9  | 3.4 | 20.0  | .24   | .84   | .17   | 41  | .26 | .063 | 8.1  | 18.9  | 1.01 | 276.7 | .074 | 1  | 1.81 | .013 | .12 | 1.8 | .11  | 17  | .8  | .02  | 5.3 | .03  | -   |
| 74569    | 5.01  | 57.64  | 40.97 | 167.2 | 369 | 52.7 | 10.0 | 245 | 3.48 | 1262.6 | 1.7  | 31.5  | 4.7 | 51.8  | 1.02  | 3.08  | .53   | 61  | .14 | .066 | 12.6 | 27.9  | .39  | 558.3 | .039 | 1  | 1.39 | .017 | .11 | 2.5 | .17  | 21  | 2.3 | .14  | 5.2 | .17  | -   |
| 74570    | 2.51  | 27.17  | 20.70 | 114.6 | 502 | 28.1 | 12.0 | 574 | 3.95 | 179.2  | .7   | 3.7   | 3.7 | 19.3  | .43   | 1.44  | .26   | 97  | .14 | .122 | 9.3  | 38.9  | .53  | 434.0 | .054 | 1  | 2.46 | .014 | .07 | .9  | .13  | 40  | 1.1 | .09  | 7.2 | .08  | -   |
| 74571    | 1.80  | 42.71  | 10.48 | 110.6 | 74  | 33.4 | 10.8 | 318 | 3.71 | 109.5  | 1.1  | 4.1   | 3.2 | 18.3  | .51   | 1.06  | .21   | 89  | .14 | .041 | 10.7 | 38.9  | .73  | 239.4 | .102 | 1  | 2.19 | .012 | .12 | .2  | .15  | 27  | 1.0 | .06  | 7.0 | .08  | 3.9 |
| 74572    | 3.91  | 54.30  | 18.44 | 174.7 | 233 | 48.6 | 13.4 | 736 | 4.62 | 2490.3 | 1.2  | 9.4   | 1.4 | 21.2  | 1.48  | 7.92  | .30   | 68  | .10 | .081 | 13.6 | 29.3  | .33  | 230.8 | .024 | 1  | 1.43 | .011 | .07 | .2  | .12  | 20  | 1.6 | .13  | 5.3 | .08  | -   |
| 74573    | 1.89  | 21.72  | 5.75  | 55.7  | 148 | 10.9 | 2.9  | 123 | 1.04 | 149.2  | .9   | 3.4   | <.1 | 12.6  | .34   | 1.45  | .14   | 22  | .05 | .040 | 7.1  | 11.1  | .06  | 74.8  | .009 | 1  | .51  | .013 | .04 | <.2 | .07  | 39  | .8  | .06  | 3.5 | .07  | -   |
| 74574    | 4.34  | 57.67  | 14.95 | 138.0 | 304 | 54.6 | 17.8 | 732 | 3.93 | 568.9  | 2.0  | 18.4  | 3.8 | 23.4  | .77   | 3.56  | .31   | 85  | .17 | .065 | 15.2 | 45.3  | .72  | 388.2 | .044 | 1  | 2.30 | .013 | .08 | .2  | .16  | 49  | 1.6 | .09  | 7.0 | .07  | -   |
| 74575    | 3.37  | 72.52  | 13.17 | 121.1 | 219 | 46.0 | 17.8 | 750 | 3.97 | 267.2  | 2.0  | 9.3   | 1.7 | 23.2  | .59   | 2.48  | .27   | 80  | .11 | .075 | 16.3 | 57.3  | .89  | 225.7 | .063 | 1  | 2.28 | .013 | .12 | <.2 | .19  | 30  | 1.7 | .13  | 7.4 | .11  | 3.3 |
| 74576    | 3.41  | 46.89  | 12.30 | 101.8 | 326 | 17.6 | 4.3  | 106 | 2.46 | 358.7  | 2.1  | 10.4  | .4  | 22.4  | .42   | 2.10  | .26   | 42  | .13 | .073 | 14.0 | 18.0  | .28  | 236.7 | .019 | 1  | 1.21 | .014 | .08 | <.2 | .11  | 37  | 2.0 | .08  | 4.3 | .13  | -   |
| 74577    | 1.92  | 23.12  | 8.68  | 49.6  | 368 | 12.5 | 3.3  | 77  | 1.98 | 222.7  | 1.2  | 10.9  | .6  | 27.5  | .16   | .93   | .26   | 30  | .18 | .068 | 10.1 | 20.9  | .31  | 221.5 | .027 | 2  | 1.22 | .014 | .06 | .2  | .10  | 93  | 2.6 | .06  | 4.6 | .10  | -   |
| 74578    | .87   | 19.03  | 8.91  | 50.8  | 319 | 13.9 | 3.0  | 92  | 1.38 | 51.8   | 1.4  | 12.5  | 1.3 | 48.9  | .32   | .87   | .18   | 21  | .40 | .052 | 11.3 | 21.4  | .36  | 323.1 | .039 | 1  | 1.22 | .011 | .05 | <.2 | .14  | 66  | 2.4 | .05  | 4.6 | .08  | -   |
| 74579    | 1.58  | 51.27  | 9.80  | 60.3  | 288 | 19.9 | 3.9  | 89  | 2.11 | 76.1   | 3.7  | 8.2   | 2.1 | 27.4  | .55   | 1.54  | .24   | 36  | .22 | .087 | 12.6 | 25.3  | .37  | 275.6 | .037 | 1  | 1.40 | .011 | .04 | .2  | .12  | 106 | 4.2 | .07  | 4.1 | .08  | 3.4 |
| 74580    | 1.67  | 27.87  | 6.69  | 40.9  | 311 | 12.3 | 3.1  | 75  | 1.95 | 107.4  | 1.7  | 7.5   | .4  | 23.5  | .31   | 1.14  | .21   | 28  | .14 | .063 | 11.1 | 23.6  | .31  | 247.2 | .022 | 1  | 1.10 | .011 | .06 | .2  | .11  | 86  | 2.7 | .04  | 4.4 | .09  | -   |
| STANDARD | 14.19 | 129.11 | 32.52 | 164.5 | 263 | 36.7 | 12.8 | 810 | 3.18 | 63.6   | 22.1 | 210.4 | 3.6 | 27.7  | 10.93 | 9.60  | 11.40 | 81  | .55 | .081 | 13.8 | 169.4 | .61  | 144.8 | .116 | 3  | 1.74 | .039 | .16 | 7.6 | 2.19 | 261 | 2.6 | 1.88 | 6.0 | .03  | -   |

Standard is STANDARD DS2. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



| SAMPLE#  | Hg   | Cu    | Pb     | Zn     | Ag  | Ni   | Co   | Mn  | Fe   | As    | U   | Au   | Th  | Sr    | Cd   | So    | Bi  | V   | Cr   | P    | Li   | Cr    | Mg   | Ba     | Tl   | B   | Al   | Na   | K   | N   | Tl  | Hg  | Se  | Te  | Ga   | S    | OH  |     |
|----------|------|-------|--------|--------|-----|------|------|-----|------|-------|-----|------|-----|-------|------|-------|-----|-----|------|------|------|-------|------|--------|------|-----|------|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|
|          | ppm  | ppm   | ppm    | ppm    | ppb | ppm  | ppm  | ppm | ppm  | ppm   | ppm | ppb  | ppm | ppm   | ppm  | ppm   | ppm | ppm | ppm  | ppm  | ppm  | ppm   | ppm  | ppm    | ppm  | ppm | ppm  | ppm  | ppm | ppm | ppm | ppm | ppm | ppm | ppm  | ppm  | ppm | ppm |
| 74581    | 2.62 | 29.59 | 42.25  | 93.0   | 237 | 25.1 | 12.0 | 593 | 2.88 | 80.4  | 1.2 | 3.8  | 3.9 | 23.1  | .26  | 1.75  | .31 | 64  | .22  | .068 | 13.7 | 47.5  | .66  | 267.0  | .072 | 2   | 1.72 | .013 | .09 | .2  | .15 | 43  | 1.4 | .07 | 5.4  | .01  | 3.4 |     |
| RE 74581 | 2.48 | 27.96 | 38.92  | 90.0   | 219 | 24.1 | 11.1 | 565 | 2.77 | 76.1  | 1.1 | 4.3  | 3.7 | 21.7  | .25  | 1.57  | .28 | 62  | .22  | .067 | 12.8 | 48.6  | .61  | 241.1  | .065 | 1   | 1.57 | .011 | .09 | <.2 | .15 | 45  | 1.3 | .08 | 5.1  | .03  | -   |     |
| 74582    | 1.23 | 25.75 | 28.47  | 87.1   | 132 | 19.7 | 12.6 | 962 | 2.46 | 72.7  | 1.3 | 2.3  | 3.3 | 226.4 | .51  | 4.90  | .23 | 32  | 1.13 | .064 | 16.2 | 13.7  | .44  | 747.8  | .016 | 4   | 1.02 | .014 | .06 | <.2 | .07 | 57  | 1.2 | .09 | 2.7  | .07  | -   |     |
| 74583    | 1.54 | 36.31 | 22.49  | 63.3   | 438 | 22.9 | 14.6 | 753 | 2.97 | 36.5  | 1.5 | 1.7  | 3.8 | 272.6 | .42  | 4.07  | .33 | 48  | .93  | .063 | 14.6 | 22.7  | .48  | 929.8  | .011 | 3   | 1.87 | .016 | .10 | <.2 | .11 | 55  | 1.0 | .11 | 5.3  | .04  | -   |     |
| 74584    | 1.96 | 35.69 | 25.00  | 76.9   | 24  | 19.3 | 21.6 | 733 | 4.82 | 22.9  | .9  | 2.6  | 3.1 | 41.7  | .13  | 16.05 | .32 | 93  | .23  | .033 | 10.2 | 29.0  | .37  | 506.0  | .022 | 5   | 1.71 | .012 | .08 | <.2 | .15 | 16  | .7  | .07 | 4.6  | <.01 | -   |     |
| 74585    | .68  | 11.53 | 31.97  | 39.0   | 159 | 10.7 | 5.5  | 209 | 2.10 | 4.6   | <.6 | .8   | 2.2 | 28.9  | .08  | 1.16  | .42 | 86  | .19  | .017 | 18.8 | 15.3  | .33  | 1244.8 | .023 | 2   | 1.45 | .012 | .06 | 2   | .10 | 13  | .4  | .04 | 4.2  | <.01 | 4.0 |     |
| 74586    | 1.22 | 30.54 | 22.27  | 80.9   | 160 | 23.7 | 9.8  | 435 | 2.60 | 290.7 | 1.6 | 11.7 | 3.5 | 33.2  | .31  | .96   | .23 | 51  | .40  | .048 | 18.5 | 35.1  | .78  | 394.9  | .092 | <1  | 1.67 | .021 | .13 | .4  | .17 | 38  | .8  | .06 | 4.8  | .01  | -   |     |
| 74587    | 1.26 | 16.63 | 24.56  | 69.3   | 45  | 16.3 | 6.7  | 292 | 2.11 | 218.3 | .6  | 5.2  | 3.0 | 25.2  | .20  | .62   | .26 | 47  | .26  | .033 | 10.2 | 25.4  | .66  | 239.2  | .093 | 1   | 1.45 | .016 | .08 | 4   | .10 | 7   | .6  | .04 | 5.2  | .01  | -   |     |
| 74588    | 1.01 | 22.87 | 14.30  | 69.5   | 95  | 18.3 | 8.0  | 281 | 2.51 | 268.6 | 1.2 | 8.4  | 3.9 | 31.1  | .16  | .79   | .22 | 54  | .38  | .040 | 12.7 | 31.0  | .70  | 375.8  | .091 | <1  | 1.80 | .022 | .06 | .3  | .10 | 28  | .9  | .05 | 5.4  | .01  | -   |     |
| 74589    | 1.26 | 21.00 | 24.67  | 84.7   | 96  | 20.9 | 8.9  | 323 | 2.59 | 268.3 | .8  | 6.4  | 4.2 | 33.5  | .23  | .71   | .29 | 53  | .37  | .044 | 11.1 | 33.1  | .82  | 290.4  | .113 | 1   | 1.85 | .020 | .11 | .3  | .13 | 24  | .9  | .05 | 5.4  | .03  | 4.5 |     |
| 74590    | .93  | 19.04 | 21.13  | 73.3   | 123 | 17.6 | 7.2  | 268 | 2.33 | 138.2 | 1.0 | 7.3  | 4.1 | 30.0  | .23  | .58   | .21 | 50  | .36  | .041 | 12.3 | 34.8  | .79  | 278.2  | .106 | <1  | 1.86 | .021 | .08 | .3  | .12 | 40  | .7  | .04 | 5.4  | .02  | -   |     |
| 74591    | .89  | 27.63 | 144.48 | 250.1  | 176 | 16.9 | 6.4  | 384 | 2.59 | 154.4 | .8  | 5.6  | 6.0 | 30.2  | .42  | .35   | .84 | 53  | .36  | .045 | 14.7 | 32.0  | 1.57 | 194.2  | .133 | <1  | 2.02 | .016 | .22 | <.2 | .31 | 60  | .9  | .10 | 5.7  | .02  | -   |     |
| 74592    | 7.49 | 41.04 | 30.85  | 120.6  | 405 | 46.1 | 10.8 | 270 | 2.80 | 180.3 | 1.4 | 5.3  | 7.7 | 24.3  | .58  | .58   | .50 | 57  | .21  | .038 | 29.1 | 45.9  | 1.19 | 168.4  | .069 | <1  | 1.89 | .013 | .08 | .4  | .37 | 23  | 2.1 | .07 | 5.6  | <.01 | -   |     |
| 74593    | 5.36 | 51.68 | 58.22  | 153.8  | 233 | 81.8 | 22.2 | 760 | 3.55 | 66.1  | 1.8 | 1.3  | 9.6 | 38.1  | .47  | .76   | .57 | 74  | .68  | .070 | 15.5 | 134.0 | 2.22 | 183.5  | .112 | <1  | 2.41 | .016 | .16 | .2  | .42 | 26  | 1.8 | .09 | 7.9  | .01  | 5.5 |     |
| 74594    | .79  | 19.16 | 15.05  | 65.2   | 64  | 16.3 | 8.8  | 543 | 2.89 | 512.7 | 1.0 | 22.0 | 3.8 | 29.2  | .11  | .68   | .16 | 56  | .41  | .045 | 11.0 | 26.2  | .84  | 340.3  | .101 | 1   | 1.80 | .021 | .11 | 1.9 | .10 | 22  | .8  | .04 | 5.8  | <.01 | -   |     |
| 74595    | .73  | 23.94 | 38.19  | 76.7   | 103 | 28.0 | 11.0 | 458 | 2.86 | 281.9 | 1.0 | 11.6 | 3.7 | 33.8  | .17  | .55   | .28 | 62  | .45  | .042 | 10.7 | 37.5  | 1.04 | 437.4  | .116 | 1   | 1.90 | .025 | .10 | .8  | .13 | 26  | .7  | .04 | 5.8  | <.01 | -   |     |
| 74596    | 1.00 | 23.79 | 10.92  | 73.9   | 62  | 19.9 | 11.0 | 391 | 2.90 | 238.0 | .9  | 9.5  | 4.2 | 36.9  | .11  | .80   | .17 | 65  | .40  | .034 | 12.8 | 32.2  | .92  | 384.0  | .113 | <1  | 2.05 | .024 | .07 | .4  | .12 | 29  | .8  | .04 | 6.4  | <.01 | -   |     |
| 74597    | 1.01 | 14.83 | 8.96   | 59.9   | 47  | 16.1 | 8.9  | 340 | 2.48 | 128.2 | .7  | 6.9  | 3.0 | 26.2  | .12  | .53   | .14 | 57  | .33  | .040 | 10.1 | 31.2  | .69  | 271.2  | .097 | 1   | 1.84 | .023 | .05 | .3  | .09 | 19  | .6  | .02 | 5.8  | <.01 | 4.0 |     |
| 74598    | .96  | 17.42 | 10.57  | 56.4   | 94  | 15.1 | 8.4  | 344 | 2.30 | 145.6 | .9  | 8.6  | 2.6 | 29.7  | .20  | .49   | .15 | 55  | .38  | .038 | 9.9  | 30.2  | .66  | 377.2  | .093 | 1   | 1.85 | .022 | .06 | .4  | .09 | 23  | .6  | .05 | 5.9  | .03  | -   |     |
| 74599    | .68  | 11.55 | 8.39   | 52.2   | 63  | 11.3 | 5.9  | 172 | 2.88 | 101.6 | .6  | 4.6  | 2.8 | 27.6  | .10  | .46   | .12 | 51  | .39  | .038 | 9.8  | 26.2  | .58  | 258.3  | .093 | 1   | 1.67 | .022 | .04 | .3  | .08 | 34  | .5  | .02 | 5.2  | .01  | -   |     |
| 74637    | .58  | 15.99 | 3.90   | 50.7   | 53  | 17.9 | 9.3  | 942 | 2.43 | 39.7  | .4  | 3.2  | 2.5 | 45.5  | .15  | .54   | .13 | 73  | .32  | .013 | 8.2  | 33.2  | .38  | 834.8  | .082 | 1   | 2.18 | .020 | .05 | <.2 | .11 | 19  | .3  | .04 | 6.5  | .01  | -   |     |
| 74638    | .66  | 26.27 | 13.95  | 62.8   | 137 | 19.9 | 8.6  | 840 | 2.24 | 110.9 | 1.5 | 16.9 | 1.9 | 317.3 | .26  | .61   | .07 | 34  | 2.67 | .058 | 11.4 | 24.3  | .48  | 665.0  | .039 | 2   | 1.07 | .025 | .04 | <.2 | .07 | 71  | .8  | .06 | 2.5  | .07  | 5.3 |     |
| 74639    | .79  | 21.52 | 15.31  | 90.4   | 59  | 20.8 | 7.9  | 399 | 2.66 | 16.6  | .8  | 33.9 | 4.7 | 31.8  | .27  | .73   | .13 | 63  | .32  | .026 | 13.1 | 35.8  | .61  | 440.5  | .099 | 1   | 2.07 | .023 | .07 | <.2 | .07 | 16  | .5  | .03 | 5.4  | <.01 | -   |     |
| 74640    | .80  | 61.87 | 142.24 | 1109.4 | 249 | 21.6 | 8.9  | 854 | 2.70 | 14.7  | .9  | 63.5 | 3.5 | 45.4  | 5.68 | .80   | .26 | 71  | .43  | .027 | 12.0 | 36.4  | .54  | 695.6  | .070 | 1   | 2.14 | .017 | .06 | <.2 | .09 | 46  | .4  | .03 | 5.8  | <.01 | -   |     |
| 74641    | .87  | 18.37 | 28.15  | 121.0  | 103 | 20.8 | 10.1 | 612 | 2.76 | 13.5  | .6  | 2.6  | 3.0 | 25.3  | 1.40 | .62   | .16 | 72  | .24  | .022 | 10.3 | 34.9  | .52  | 311.7  | .081 | <1  | 2.21 | .016 | .07 | <.2 | .09 | 16  | .5  | .06 | 6.3  | <.01 | -   |     |
| 74642    | .80  | 9.22  | 10.38  | 73.9   | 86  | 12.5 | 7.0  | 391 | 2.51 | 6.3   | .4  | 1.9  | 2.6 | 21.3  | .29  | .34   | .13 | 65  | .27  | .016 | 9.1  | 27.3  | .58  | 228.1  | .030 | <1  | 2.24 | .011 | .04 | <.2 | .13 | 15  | .4  | .03 | 6.8  | <.01 | 4.2 |     |
| 74643    | .64  | 21.88 | 11.89  | 63.9   | 90  | 18.5 | 8.6  | 296 | 2.55 | 12.5  | .8  | 8.1  | 3.9 | 22.5  | .16  | .57   | .13 | 62  | .26  | .040 | 12.9 | 35.2  | .59  | 301.8  | .103 | 1   | 2.03 | .019 | .06 | <.2 | .09 | 16  | .5  | .03 | 5.7  | <.01 | -   |     |
| 74644    | .45  | 20.22 | 10.25  | 65.1   | 11  | 14.6 | 8.7  | 266 | 2.33 | 5.4   | .7  | 2.5  | 3.1 | 31.2  | .24  | .49   | .08 | 66  | .25  | .021 | 11.6 | 25.5  | .65  | 219.2  | .118 | <1  | 1.61 | .018 | .05 | <.2 | .07 | 17  | .4  | .03 | 4.3  | <.01 | -   |     |
| 74645    | 1.05 | 18.66 | 9.55   | 60.3   | 95  | 19.3 | 8.5  | 273 | 3.07 | 9.7   | .5  | 4.0  | 3.4 | 19.1  | .09  | .61   | .14 | 79  | .18  | .015 | 9.0  | 38.6  | .52  | 280.7  | .094 | 1   | 2.35 | .015 | .04 | <.2 | .11 | 21  | .4  | .02 | 6.4  | <.01 | -   |     |
| 74646    | .83  | 16.73 | 10.00  | 63.1   | 70  | 14.2 | 7.2  | 258 | 2.76 | 15.3  | .6  | 7.4  | 3.8 | 26.6  | .08  | .65   | .13 | 73  | .22  | .016 | 14.2 | 28.1  | .55  | 390.7  | .101 | <1  | 1.95 | .016 | .05 | <.2 | .10 | 17  | .5  | .03 | 6.3  | <.01 | 4.3 |     |
| 74647    | .67  | 12.96 | 3.44   | 57.4   | 31  | 15.0 | 6.5  | 221 | 2.55 | 10.6  | .4  | 5.2  | 3.7 | 17.9  | .05  | .50   | .11 | 67  | .19  | .022 | 9.3  | 28.5  | .48  | 175.0  | .086 | 1   | 1.83 | .015 | .04 | <.2 | .07 | 15  | .4  | .04 | 5.5  | <.01 | -   |     |
| 74648    | .59  | 12.55 | 14.62  | 90.0   | 57  | 39.5 | 20.6 | 549 | 4.15 | 50.7  | .8  | 3.0  | 2.9 | 42.7  | .11  | .54   | .10 | 103 | .64  | .141 | 8.6  | 110.0 | 2.10 | 417.2  | .129 | <1  | 3.22 | .015 | .15 | <.2 | .17 | 17  | .6  | .02 | 10.5 | <.01 | -   |     |
| 74649    | .97  | 12.15 | 11.19  | 57.0   | 191 | 16.6 | 9.7  | 321 | 2.50 | 34.8  | .3  | 1.2  | 3.2 | 15.9  | .19  | .51   | .14 | 66  | .16  | .038 | 9.8  | 27.7  | .39  | 252.4  | .080 | 1   | 1.64 | .016 | .10 | <.2 | .10 | 14  | .3  | .04 | 6.3  | .01  | -   |     |
| 74650    | .80  | 30.25 | 15.04  | 68.3   | 62  | 3    |      |     |      |       |     |      |     |       |      |       |     |     |      |      |      |       |      |        |      |     |      |      |     |     |     |     |     |     |      |      |     |     |



| SAMPLE#  | Mo    | Cu     | Pb    | Zn    | Ag  | Ni    | Co   | Mn   | Fe   | As    | U    | Au    | Th   | Sr    | Cd    | Sb   | Bi    | V   | Ca   | P    | La   | Cr    | Mg   | Ba    | Ti   | B  | Al   | Na   | K   | W    | Tl   | Hg  | Se  | Te   | Ga  | S    | pH  |   |   |
|----------|-------|--------|-------|-------|-----|-------|------|------|------|-------|------|-------|------|-------|-------|------|-------|-----|------|------|------|-------|------|-------|------|----|------|------|-----|------|------|-----|-----|------|-----|------|-----|---|---|
|          | ppm   | ppm    | ppm   | ppm   | ppb | ppm   | ppm  | ppm  | %    | ppm   | ppm  | ppb   | ppm  | ppm   | ppm   | ppm  | ppm   | ppm | %    | %    | ppm  | ppm   | %    | ppm   | %    | %  | %    | %    | ppm | ppm  | ppb  | ppm | ppm | ppm  | %   | -    |     |   |   |
| 74652    | .67   | 18.18  | 7.81  | 75.7  | 38  | 25.8  | 16.1 | 568  | 3.89 | 31.2  | .4   | 1.0   | 2.2  | 50.5  | .15   | .43  | .15   | 87  | .71  | .054 | 10.1 | 56.2  | 1.15 | 296.4 | .169 | 2  | 2.39 | .067 | .08 | <.2  | .07  | 24  | .6  | .02  | 6.3 | <.01 | 5.3 | - |   |
| 74653    | .87   | 38.23  | 16.10 | 79.6  | 38  | 32.2  | 9.9  | 182  | 2.96 | 83.1  | .9   | 2.2   | 6.8  | 21.7  | .10   | .82  | .13   | 59  | .26  | .019 | 19.4 | 37.4  | .62  | 204.2 | .070 | 1  | 1.77 | .010 | .17 | <.2  | .10  | 10  | .7  | .04  | 5.2 | <.01 | -   | - |   |
| 74654    | 1.02  | 17.70  | 28.60 | 72.0  | 75  | 22.1  | 9.9  | 370  | 2.71 | 15.6  | .5   | 1.6   | 3.3  | 27.5  | .30   | .66  | .19   | 68  | .33  | .025 | 9.5  | 42.1  | .68  | 298.6 | .115 | 1  | 2.16 | .026 | .08 | <.2  | .07  | 16  | .4  | .05  | 5.3 | <.01 | -   | - |   |
| 74655    | 6.21  | 35.67  | 29.34 | 124.6 | 575 | 34.2  | 32.0 | 4210 | 2.66 | 204.7 | 2.7  | 10.3  | 3.2  | 39.1  | 1.41  | .76  | .23   | 42  | .60  | .099 | 20.8 | 38.9  | .63  | 322.0 | .044 | 2  | 1.33 | .021 | .06 | .8   | .40  | 128 | 3.7 | .08  | 3.3 | .10  | -   | - |   |
| 74656    | 2.07  | 21.14  | 13.96 | 72.5  | 466 | 17.4  | 8.7  | 445  | 1.44 | 72.8  | 1.0  | 6.8   | 1.5  | 23.0  | .66   | .29  | .28   | 29  | .30  | .031 | 11.5 | 33.3  | .63  | 180.7 | .048 | 1  | 1.03 | .015 | .07 | 2.0  | .26  | 42  | 1.6 | .04  | 4.3 | .04  | 4.3 | - | - |
| 74657    | 1.15  | 32.79  | 13.09 | 116.1 | 147 | 39.1  | 15.7 | 1160 | 3.58 | 517.2 | .9   | 33.4  | 2.8  | 21.0  | .23   | .49  | .20   | 82  | .39  | .051 | 9.2  | 67.9  | 1.47 | 359.8 | .125 | 1  | 2.11 | .017 | .30 | 14.7 | .24  | 34  | .8  | .02  | 6.2 | <.01 | -   | - |   |
| 74658    | 1.00  | 13.74  | 7.17  | 81.7  | 29  | 10.9  | 5.9  | 393  | 2.67 | 262.3 | .5   | 8.2   | 2.0  | 13.1  | .10   | .32  | .13   | 63  | .17  | .030 | 6.3  | 15.3  | .94  | 138.6 | .128 | 1  | 1.57 | .011 | .12 | .2   | .12  | 14  | .4  | .03  | 6.9 | .02  | -   | - |   |
| RE 74658 | 1.08  | 13.91  | 7.39  | 83.9  | 28  | 11.4  | 6.3  | 404  | 2.79 | 273.9 | .5   | 8.7   | 2.2  | 14.0  | .09   | .33  | .13   | 66  | .17  | .031 | 6.5  | 16.1  | .96  | 143.7 | .132 | 1  | 1.61 | .012 | .13 | .2   | .13  | 19  | .4  | .03  | 7.1 | .02  | -   | - |   |
| 74659    | 1.06  | 25.80  | 54.59 | 119.5 | 82  | 28.0  | 11.4 | 496  | 3.15 | 948.4 | 1.0  | 39.2  | 4.6  | 21.3  | .40   | .79  | .18   | 56  | .26  | .036 | 11.6 | 29.3  | .82  | 177.2 | .069 | 1  | 2.06 | .015 | .08 | .2   | .11  | 28  | .7  | .04  | 5.3 | .02  | -   | - |   |
| 74660    | 1.34  | 14.31  | 8.83  | 51.6  | 79  | 16.1  | 6.3  | 229  | 2.68 | 615.8 | .6   | 12.0  | 2.9  | 12.4  | .11   | .66  | .21   | 61  | .11  | .019 | 8.3  | 26.0  | .50  | 164.4 | .066 | 1  | 1.81 | .011 | .05 | 4.6  | .11  | 15  | .6  | .08  | 5.9 | .02  | 3.5 | - | - |
| 74661    | 1.30  | 21.74  | 10.63 | 70.1  | 113 | 22.9  | 10.9 | 484  | 2.78 | 305.1 | .9   | 9.6   | 3.4  | 24.1  | .12   | .88  | .18   | 62  | .29  | .041 | 10.5 | 36.1  | .65  | 362.2 | .086 | <1 | 2.03 | .019 | .10 | .2   | .07  | 33  | .9  | .04  | 5.4 | <.01 | -   | - |   |
| 74662    | 1.61  | 30.34  | 11.64 | 74.7  | 354 | 16.4  | 9.8  | 740  | 2.96 | 281.9 | 1.4  | 11.9  | 2.8  | 34.3  | .25   | .59  | .17   | 64  | .44  | .032 | 10.9 | 24.3  | .70  | 380.4 | .097 | 1  | 1.73 | .022 | .16 | <.2  | .11  | 30  | .7  | .04  | 6.3 | .03  | -   | - |   |
| 74663    | 1.58  | 18.86  | 11.41 | 89.5  | 83  | 15.2  | 7.9  | 634  | 3.23 | 578.1 | .8   | 11.4  | 4.0  | 22.3  | .21   | .84  | .14   | 55  | .30  | .060 | 10.6 | 19.9  | .86  | 369.8 | .103 | 1  | 1.82 | .014 | .20 | <.2  | .13  | 25  | .9  | .03  | 6.1 | .02  | -   | - |   |
| 74664    | .79   | 24.83  | 15.95 | 77.9  | 101 | 41.1  | 12.1 | 401  | 3.04 | 107.8 | .6   | 3.9   | 2.7  | 26.6  | .13   | .58  | .34   | 77  | .37  | .030 | 8.2  | 92.6  | 1.28 | 387.5 | .103 | 1  | 2.07 | .019 | .09 | .2   | .14  | 13  | .6  | .05  | 6.2 | <.01 | 4.3 | - | - |
| 74665    | 4.07  | 10.45  | 17.05 | 48.2  | 185 | 9.9   | 4.1  | 445  | 2.46 | 60.3  | .5   | 2.5   | 2.8  | 26.9  | .26   | .45  | .56   | 46  | .48  | .026 | 7.5  | 17.8  | .38  | 276.4 | .077 | 1  | 1.06 | .017 | .17 | <.2  | .09  | 21  | .8  | .04  | 5.0 | .06  | -   | - |   |
| 74666    | 2.29  | 22.43  | 13.06 | 90.8  | 56  | 14.6  | 5.8  | 338  | 2.47 | 259.2 | .5   | 4.7   | 3.7  | 19.0  | .11   | .24  | .47   | 34  | .19  | .021 | 9.9  | 28.7  | 1.39 | 160.1 | .092 | 1  | 1.64 | .011 | .26 | .2   | .19  | 11  | .6  | .06  | 5.2 | .04  | -   | - |   |
| 74667    | 1.04  | 20.80  | 21.64 | 66.8  | 119 | 20.4  | 8.2  | 343  | 2.57 | 248.5 | .6   | 7.0   | 4.7  | 21.8  | .14   | .51  | .32   | 51  | .34  | .027 | 10.6 | 34.2  | .70  | 169.3 | .105 | 1  | 1.64 | .017 | .22 | <.2  | .25  | 24  | .5  | .04  | 4.5 | .03  | -   | - |   |
| 74668    | .91   | 30.39  | 78.00 | 206.7 | 142 | 27.3  | 9.9  | 427  | 2.76 | 219.5 | .8   | 2.3   | 5.7  | 29.2  | .41   | .44  | .52   | 55  | .36  | .034 | 12.8 | 59.6  | 1.39 | 165.5 | .152 | 1  | 2.10 | .023 | .29 | <.2  | .42  | 30  | .7  | .07  | 5.7 | .03  | 4.2 | - | - |
| 74669    | 1.51  | 20.63  | 26.53 | 88.6  | 82  | 21.3  | 7.6  | 337  | 2.47 | 329.1 | .7   | 7.3   | 3.2  | 23.6  | .28   | .75  | .24   | 54  | .32  | .032 | 9.2  | 35.1  | .77  | 247.7 | .097 | 1  | 1.70 | .019 | .09 | <.2  | .13  | 16  | .5  | .05  | 4.7 | .02  | -   | - |   |
| 74670    | .96   | 61.99  | 85.66 | 220.1 | 130 | 42.9  | 12.4 | 405  | 3.34 | 451.7 | .8   | 7.7   | 4.8  | 26.7  | .33   | .38  | .47   | 74  | .45  | .058 | 11.6 | 139.0 | 2.59 | 230.6 | .174 | <1 | 2.77 | .011 | .30 | <.2  | .42  | 35  | .9  | .06  | 7.2 | <.01 | -   | - |   |
| 74671    | 1.05  | 42.65  | 25.36 | 95.1  | 497 | 34.9  | 12.9 | 578  | 3.22 | 269.2 | 2.5  | 9.9   | 3.0  | 59.5  | .34   | .41  | .26   | 63  | .76  | .067 | 19.5 | 59.1  | 1.19 | 510.4 | .113 | 1  | 2.30 | .044 | .07 | <.2  | .18  | 41  | .7  | .06  | 6.2 | .02  | -   | - |   |
| 74672    | 31.39 | 112.88 | 63.57 | 341.9 | 734 | 162.0 | 29.1 | 1015 | 4.97 | 132.4 | 4.2  | 6.6   | 16.6 | 27.7  | 2.67  | .76  | .82   | 55  | .45  | .117 | 32.1 | 64.5  | 2.26 | 121.8 | .048 | <1 | 1.93 | .008 | .11 | .2   | .77  | 26  | 6.0 | .17  | 4.4 | .02  | 4.4 | - | - |
| 74673    | .79   | 21.94  | 11.74 | 72.7  | 85  | 20.6  | 9.3  | 433  | 2.67 | 170.6 | .6   | 17.2  | 2.9  | 22.0  | .18   | .35  | .16   | 53  | .37  | .029 | 7.1  | 49.8  | 1.19 | 289.3 | .139 | 1  | 1.72 | .018 | .35 | <.2  | .18  | 12  | .7  | .03  | 5.4 | .01  | -   | - |   |
| 74674    | 1.10  | 17.40  | 9.93  | 72.7  | 46  | 16.1  | 7.3  | 400  | 2.71 | 153.7 | .8   | 3.8   | 3.7  | 21.5  | .13   | .54  | .14   | 51  | .27  | .022 | 9.0  | 24.2  | .84  | 326.1 | .128 | 1  | 1.77 | .019 | .21 | <.2  | .13  | 17  | .6  | .04  | 5.4 | .03  | -   | - |   |
| 74675    | 2.11  | 23.54  | 14.25 | 87.9  | 122 | 29.3  | 13.8 | 596  | 3.08 | 302.2 | .8   | 11.6  | 3.2  | 19.7  | .24   | 1.14 | .21   | 62  | .18  | .026 | 11.7 | 34.9  | .92  | 261.3 | .111 | 1  | 2.14 | .017 | .15 | <.2  | .17  | 21  | 1.0 | .04  | 6.1 | .03  | -   | - |   |
| 74676    | 3.34  | 30.19  | 11.86 | 191.4 | 547 | 34.2  | 10.5 | 706  | 3.44 | 111.9 | 1.6  | .9    | 3.3  | 27.9  | 2.19  | 1.19 | .24   | 80  | .17  | .123 | 15.0 | 41.7  | .58  | 412.8 | .105 | 1  | 1.90 | .020 | .14 | <.2  | .20  | 41  | 1.3 | .08  | 7.0 | .06  | 3.7 | - | - |
| 74677    | 3.88  | 54.55  | 41.72 | 114.1 | 382 | 29.9  | 5.2  | 265  | 2.52 | 474.8 | 1.4  | 18.1  | 2.6  | 22.4  | .96   | 1.90 | .20   | 59  | .23  | .061 | 14.3 | 31.2  | .61  | 283.2 | .065 | 1  | 1.52 | .015 | .08 | <.2  | .16  | 43  | 1.8 | .07  | 4.9 | .08  | -   | - |   |
| 74678    | 1.95  | 21.43  | 15.07 | 50.4  | 564 | 10.9  | 3.4  | 88   | 1.45 | 139.3 | .7   | 4.5   | .7   | 15.8  | .49   | .97  | .17   | 38  | .10  | .034 | 9.5  | 18.8  | .20  | 194.4 | .049 | 1  | 1.10 | .020 | .08 | <.2  | .12  | 25  | .6  | .07  | 4.6 | .05  | -   | - |   |
| 74679    | 1.25  | 10.77  | 8.44  | 49.3  | 204 | 5.5   | 2.1  | 109  | 1.14 | 56.9  | .3   | .4    | 1.0  | 8.3   | .31   | .48  | .18   | 39  | .08  | .025 | 7.2  | 13.6  | .10  | 127.2 | .052 | <1 | .68  | .014 | .04 | <.2  | .09  | 23  | .1  | .03  | 4.3 | .02  | -   | - |   |
| 74680    | .52   | .12.97 | 5.81  | 23.6  | 469 | 5.7   | 1.4  | 40   | .76  | 39.6  | .4   | 1.0   | .1   | 12.1  | .32   | .35  | .08   | 21  | .14  | .020 | 5.2  | 6.0   | .05  | 211.8 | .019 | <1 | .47  | .016 | .03 | <.2  | .05  | 24  | .3  | .03  | 2.1 | .03  | 3.5 | - | - |
| 74681    | 1.20  | 21.95  | 15.95 | 54.3  | 25  | 26.1  | 10.5 | 281  | 3.94 | 114.1 | .7   | 10.6  | 8.8  | 8.9   | .11   | 1.24 | .28   | 73  | .09  | .022 | 19.2 | 39.5  | .59  | 187.2 | .055 | 1  | 2.67 | .011 | .07 | <.2  | .13  | 24  | .5  | .06  | 6.7 | .01  | -   | - |   |
| 74682    | .96   | 18.71  | 14.10 | 61.5  | 34  | 23.9  | 8.2  | 236  | 2.68 | 115.1 | .6   | 7.8   | 4.1  | 14.3  | .12   | .75  | .18   | 63  | .20  | .027 | 13.6 | 32.0  | .54  | 258.9 | .061 | <1 | 1.96 | .014 | .05 | <.2  | .11  | 17  | .5  | .04  | 5.0 | .01  | -   | - |   |
| 74683    | 1.35  | 24.63  | 14.88 | 70.0  | 220 | 26.6  | 12.6 | 492  | 2.64 | 96.6  | 1.4  | 17.2  | 3.9  | 38.8  | .18   | .94  | .21   | 65  | .42  | .046 | 15.1 | 37.9  | .56  | 447.7 | .073 | 1  | 2.24 | .018 | .05 | <.2  | .11  | 59  | 1.0 | .07  | 5.5 | .03  | -   | - |   |
| 74684    | 2.51  | 21.07  | 13.89 | 93.2  | 262 | 16.3  | 15.0 | 717  | 2.44 | 101.5 | 2.4  | 5.9   | 1.6  | 168.0 | .36   | 1.38 | .20   | 40  | 1.46 | .084 | 8.9  | 21.0  | .42  | 312.6 | .029 | 2  | 1.13 | .021 | .04 | <.2  | .08  | 68  | 1.4 | .10  | 2.8 | .15  | 5.1 | - | - |
| 74685    | .65   | 22.94  | 18.05 | 99.9  | 386 | 25.5  | 10.3 | 698  | 1.69 | 19.1  | 1.6  | 4.9   | 1.4  | 341.0 | .57   | .47  | .19   | 30  | 2.12 | .070 | 7.7  | 21.2  | .56  | 615.8 | .036 | 2  | 1.49 | .024 | .04 | <.2  | .07  | 93  | 1.6 | .10  | 2.9 | .13  | -   | - |   |
| STANDARD | 13.81 | 125.42 | 29.53 | 162.0 | 231 | 36.3  | 11.9 | 815  | 3.11 | 63.5  | 20.6 | 204.0 | 3.3  | 28.1  | 10.86 | 9.29 | 10.66 | 79  | .54  | .081 | 13.1 | 170.0 | .61  | 145.3 | .115 | 2  | 1.79 | .041 | .16 | 6.9  | 2.08 | 247 | 2.5 | 1.77 | 5.8 | .02  | -   | - |   |

Standard is STANDARD DS2. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



| SAMPLE       | Mo    | Cu     | Pb     | Zn    | Ag   | Ni   | Co   | Mn   | Fe   | As     | U    | Ko    | Th   | Sr    | Cd    | Sb   | Bi    | V   | Ca   | P    | Li   | Cr    | Hg   | Ba    | Tl    | B    | Al   | Na   | K    | M   | Cl   | Hq  | Se  | Te   | Ga   | S    | pl   |     |
|--------------|-------|--------|--------|-------|------|------|------|------|------|--------|------|-------|------|-------|-------|------|-------|-----|------|------|------|-------|------|-------|-------|------|------|------|------|-----|------|-----|-----|------|------|------|------|-----|
|              | ppm   | ppm    | ppm    | ppm   | ppb  | ppm  | ppm  | ppm  | %    | ppm    | ppm  | ppb   | ppm  | ppm   | ppm   | ppm  | ppm   | ppm | %    | %    | ppm  | ppm   | ppm  | ppm   | ppm   | ppm  | %    | %    | %    | ppm | ppm  | ppm | ppm | ppm  | ppm  | %    | %    |     |
| 74686        | 2.23  | 50.90  | 24.88  | 99.3  | 625  | 34.3 | 11.4 | 642  | 2.87 | 47.3   | 1.4  | 13.3  | .8   | 61.4  | .65   | .78  | .32   | 54  | .51  | .063 | 12.2 | 26.3  | .32  | 889.1 | .042  | 2    | 1.89 | .016 | .06  | .2  | .06  | 74  | .8  | .07  | 5.2  | .04  | 4.7  |     |
| 74687        | 1.93  | 43.51  | 30.54  | 137.1 | 46   | 43.5 | 20.3 | 454  | 3.59 | 93.2   | .9   | 4.1   | 7.1  | 12.4  | .42   | 1.49 | .42   | 67  | .11  | .034 | 18.6 | 43.5  | .50  | 379.9 | .037  | 1    | 2.51 | .011 | .06  | .2  | .10  | 16  | .7  | .06  | 3.5  | .01  | -    |     |
| 74688        | 2.06  | 44.64  | 25.65  | 93.7  | 184  | 34.2 | 11.6 | 403  | 2.90 | 82.8   | 1.3  | 5.9   | 2.1  | 21.9  | .19   | 2.27 | .27   | 70  | .21  | .041 | 12.9 | 46.9  | .66  | 427.8 | .058  | 1    | 2.02 | .014 | .05  | <.2 | .07  | 39  | .6  | .07  | 5.9  | .02  | -    |     |
| 74689        | 1.90  | 20.85  | 19.37  | 57.6  | 124  | 15.1 | 8.0  | 297  | 2.62 | 102.8  | 1.4  | 1.1   | 10.5 | 22.9  | .14   | 6.26 | .78   | 42  | .16  | .037 | 36.1 | 10.3  | .25  | 539.0 | .006  | 1    | 1.26 | .008 | .10  | <.2 | .07  | 12  | .2  | .05  | 3.8  | .03  | -    |     |
| 74690        | .94   | 21.42  | 10.44  | 59.8  | 127  | 21.4 | 12.5 | 464  | 3.29 | 14.9   | .7   | .4    | 1.9  | 36.9  | .00   | 1.22 | .13   | 73  | .25  | .027 | 7.9  | 43.9  | .53  | 893.7 | .025  | 1    | 1.62 | .015 | .18  | <.2 | .06  | 24  | .4  | .08  | 5.2  | .03  | 8.9  |     |
| 74691        | 1.47  | 21.43  | 17.75  | 56.2  | 45   | 25.0 | 8.3  | 249  | 2.98 | 267.1  | <.8  | 5.0   | 2.9  | 13.9  | .16   | .77  | .16   | 74  | .11  | .010 | 7.9  | 35.7  | .50  | 184.5 | .070  | <1   | 1.96 | .011 | .03  | .3  | .08  | 13  | .4  | .04  | 5.5  | .01  | -    |     |
| 74692        | 1.76  | 17.68  | 13.91  | 47.5  | 70   | 9.6  | 2.8  | 107  | 1.81 | 67.5   | .6   | 1.8   | .4   | 15.5  | .37   | .47  | .23   | 75  | .06  | .028 | 9.3  | 17.0  | .24  | 124.6 | .073  | <1   | .93  | .010 | .06  | <.2 | .07  | 16  | .6  | .07  | 7.3  | .09  | -    |     |
| 74693        | 3.56  | 20.03  | 28.62  | 81.0  | 188  | 19.0 | 4.3  | 125  | 2.00 | 223.7  | .6   | 7.9   | .2   | 17.6  | .52   | 1.04 | .48   | 56  | .07  | .045 | 8.5  | 17.0  | .13  | 123.0 | .027  | <1   | .84  | .013 | .05  | 1.0 | .09  | 43  | 1.2 | .06  | 5.2  | .07  | -    |     |
| 74694        | 3.55  | 36.62  | 18.33  | 151.3 | 199  | 41.3 | 9.9  | 415  | 3.18 | 464.7  | 1.2  | 11.8  | 2.3  | 21.2  | .51   | 2.61 | .24   | 67  | .14  | .062 | 12.5 | 28.3  | .50  | 250.9 | .045  | 1    | 1.61 | .011 | .08  | .2  | .10  | 33  | 1.2 | .07  | 5.7  | .05  | 3.9  |     |
| 74695        | 2.63  | 50.54  | 16.61  | 111.0 | 626  | 26.2 | 5.3  | 125  | 1.92 | 177.0  | 2.4  | 9.6   | .7   | 28.7  | .96   | 1.47 | .15   | 25  | .21  | .086 | 10.1 | 21.7  | .29  | 284.6 | .019  | 1    | .99  | .013 | .07  | .2  | .14  | 132 | 3.3 | .07  | 3.5  | .15  | -    |     |
| 74696        | 1.20  | 21.48  | 6.27   | 25.7  | 384  | 9.5  | 2.0  | 68   | 1.50 | 141.4  | 1.2  | 6.1   | .2   | 14.9  | .23   | .70  | .11   | 15  | .13  | .063 | 6.8  | 15.6  | .15  | 156.8 | .020  | <1   | .62  | .010 | .03  | <.2 | .09  | 67  | 1.4 | .03  | 2.7  | .10  | -    |     |
| 74697        | 3.57  | 54.58  | 18.26  | 107.7 | 223  | 37.1 | 8.4  | 342  | 2.97 | 643.7  | 1.4  | 19.5  | 1.1  | 28.3  | .43   | 2.56 | .23   | 60  | .12  | .061 | 13.4 | 23.7  | .39  | 204.5 | .039  | <1   | 1.26 | .011 | .07  | <.2 | .09  | 19  | 1.5 | .07  | 5.0  | .06  | -    |     |
| 74698        | 3.38  | 41.70  | 17.91  | 123.7 | 676  | 43.6 | 21.9 | 1015 | 2.74 | 362.5  | 1.9  | 22.5  | .7   | 18.4  | .53   | 1.69 | .23   | 51  | .11  | .071 | 12.0 | 31.5  | .41  | 231.2 | .025  | <1   | 1.59 | .011 | .06  | <.2 | .11  | 85  | 1.2 | .08  | 5.0  | .04  | 3.8  |     |
| 74699        | 1.92  | 38.43  | 11.44  | 103.8 | 469  | 34.9 | 10.1 | 316  | 2.95 | 442.8  | 1.3  | 26.7  | 1.4  | 19.8  | .34   | 1.77 | .21   | 59  | .12  | .058 | 12.9 | 33.4  | .54  | 181.9 | .034  | <1   | 1.58 | .011 | .07  | .2  | .11  | 66  | 1.3 | .06  | 5.5  | .06  | -    |     |
| RE 74699     | 3.56  | 37.84  | 10.38  | 99.1  | 427  | 32.6 | 9.5  | 292  | 2.92 | 445.7  | 1.2  | 24.4  | 1.5  | 17.9  | .29   | 1.73 | .15   | 55  | .11  | .059 | 12.2 | 28.0  | .51  | 170.3 | .036  | <1   | 1.49 | .010 | .06  | .2  | .10  | 59  | 1.1 | .08  | 4.9  | .03  | -    |     |
| 74702        | 1.66  | 17.13  | 8.52   | 85.2  | 51   | 13.6 | 6.0  | 368  | 2.75 | 448.0  | .7   | 9.7   | 2.2  | 15.2  | .16   | .68  | .13   | 47  | .11  | .030 | 8.6  | 12.6  | .61  | 124.6 | .057  | <1   | 1.19 | .009 | .13  | .3  | .10  | 10  | .6  | <.02 | 4.9  | .02  | -    |     |
| 74703        | 1.60  | 41.59  | 10.23  | 88.0  | 451  | 31.1 | 8.0  | 401  | 2.02 | 172.7  | 2.7  | 15.3  | .8   | 21.4  | .53   | .99  | .12   | 33  | .18  | .084 | 14.4 | 26.9  | .50  | 348.7 | .030  | <1   | 1.49 | .012 | .06  | <.2 | .09  | 100 | 1.2 | .06  | 3.9  | .06  | -    |     |
| 74704        | 3.15  | 39.05  | 24.90  | 121.8 | 362  | 32.1 | 18.3 | 258  | 2.46 | 300.7  | 1.4  | 5.6   | 1.6  | 23.7  | .48   | 1.59 | .26   | 59  | .16  | .048 | 12.0 | 35.9  | .61  | 280.7 | .042  | <1   | 1.85 | .014 | .07  | .2  | .14  | 52  | 1.5 | .08  | 6.0  | .03  | 3.4  |     |
| 74705        | 3.09  | 36.36  | 9.68   | 124.3 | 187  | 38.1 | 15.1 | 672  | 3.29 | 664.7  | 1.3  | 19.8  | 2.3  | 17.3  | .65   | 2.29 | .17   | 65  | .12  | .070 | 12.9 | 32.8  | .51  | 222.2 | .055  | <1   | 1.72 | .012 | .06  | .2  | .11  | 25  | .8  | .07  | 5.1  | .02  | -    |     |
| 74706        | 3.47  | 46.63  | 19.90  | 109.3 | 621  | 40.1 | 7.4  | 284  | 2.28 | 495.3  | 1.9  | 54.5  | .4   | 29.8  | .52   | 2.73 | .22   | 53  | .12  | .076 | 12.0 | 33.1  | .35  | 333.9 | .017  | <1   | 1.28 | .010 | .05  | .2  | .15  | 85  | 1.2 | .11  | 5.3  | .08  | -    |     |
| 74707        | 3.89  | 47.75  | 14.18  | 135.9 | 270  | 48.3 | 10.3 | 549  | 3.03 | 1118.9 | 1.5  | 14.7  | 2.8  | 25.8  | .46   | 3.81 | .16   | 48  | .09  | .058 | 17.3 | 24.0  | .32  | 197.9 | .028  | <1   | .95  | .009 | .07  | .3  | .10  | 18  | 1.5 | .10  | 3.6  | .04  | -    |     |
| 74708        | 3.07  | 41.14  | 10.22  | 83.3  | 844  | 25.5 | 5.0  | 111  | 1.86 | 294.9  | 2.2  | 18.3  | .5   | 27.5  | .40   | 1.49 | .17   | 28  | .11  | .081 | 13.7 | 16.4  | .23  | 246.2 | .014  | <1   | 1.06 | .012 | .07  | <.2 | .17  | 119 | 2.6 | .09  | 3.6  | .10  | 3.3  |     |
| 74709        | 1.02  | 29.17  | 13.63  | 65.3  | 261  | 33.2 | 9.5  | 517  | 2.34 | 394.7  | 1.4  | 41.3  | 2.1  | 108.9 | .29   | 1.14 | .12   | 47  | 1.05 | .055 | 10.3 | 28.1  | .47  | 538.8 | .046  | 1    | 1.34 | .021 | .06  | <.2 | .05  | 46  | .6  | .03  | 3.6  | .06  | -    |     |
| 74710        | 1.63  | 23.65  | 22.06  | 53.1  | 348  | 25.7 | 9.0  | 297  | 2.44 | 136.6  | 1.0  | 20.8  | 2.7  | 19.5  | .18   | 1.02 | .16   | 57  | .41  | .033 | 11.5 | 33.2  | .43  | 515.8 | .055  | 1    | 1.60 | .019 | .09  | <.2 | .07  | 54  | .5  | .04  | 5.0  | .04  | -    |     |
| 74711        | 1.40  | 28.37  | 26.55  | 76.5  | 727  | 23.6 | 11.4 | 529  | 2.61 | 125.0  | 2.0  | 615.4 | 2.6  | 61.9  | .27   | .84  | .11   | 51  | .41  | .059 | 13.1 | 26.0  | .43  | 694.8 | .053  | <1   | 1.78 | .020 | .09  | .2  | .08  | 53  | .6  | .04  | 4.8  | .03  | -    |     |
| 74712        | 2.25  | 32.53  | 39.19  | 69.2  | 449  | 16.5 | 16.6 | 702  | 3.32 | 270.2  | 2.7  | 140.1 | 4.0  | 83.9  | .27   | 1.80 | .22   | 61  | .48  | .062 | 17.4 | 42.2  | .50  | 883.1 | .044  | <1   | 2.07 | .019 | .10  | .2  | .08  | 36  | .4  | .06  | 5.0  | .01  | 4.3  |     |
| 74713        | 1.24  | 20.06  | 63.15  | 77.4  | 591  | 22.7 | 8.7  | 383  | 2.90 | 170.2  | .8   | 106.1 | 3.4  | 26.1  | .27   | 1.54 | .19   | 69  | .19  | .033 | 10.4 | 32.1  | .54  | 435.5 | .058  | <1   | 2.10 | .015 | .07  | .2  | .09  | 36  | .4  | .03  | 5.7  | .02  | -    |     |
| 74714        | 1.92  | 22.84  | 109.10 | 113.6 | 1417 | 23.0 | 9.5  | 477  | 3.71 | 185.3  | .5   | 144.3 | 3.0  | 23.2  | .71   | 2.60 | .22   | 96  | .19  | .044 | 8.5  | 38.7  | .56  | 450.4 | .077  | <1   | 2.35 | .015 | .06  | <.2 | .08  | 48  | .3  | .02  | 7.0  | <.01 | -    |     |
| 74715        | .91   | 14.21  | 60.58  | 53.5  | 678  | 16.4 | 7.5  | 309  | 2.71 | 51.3   | .6   | 63.9  | 3.7  | 14.2  | .17   | .82  | .16   | 65  | .14  | .014 | 10.4 | 30.6  | .40  | 446.7 | .046  | <1   | 2.14 | .012 | .05  | <.2 | .10  | 24  | .1  | <.02 | 5.6  | <.01 | -    |     |
| 74716        | 1.14  | 23.08  | 12.62  | 87.8  | 113  | 9.3  | 13.4 | 658  | 4.84 | 2147.3 | 1.0  | 43.5  | 4.1  | 17.0  | .09   | 1.50 | .15   | 71  | .30  | .056 | 10.5 | 21.2  | 1    | 57    | 261.5 | .033 | <1   | 2.52 | .008 | .09 | .4   | .09 | 14  | .7   | <.02 | 7.3  | <.01 | 3.9 |
| 74717        | 1.24  | 19.79  | 20.01  | 66.6  | 114  | 21.0 | 8.8  | 535  | 3.01 | 732.1  | .7   | 15.3  | 2.8  | 19.9  | .11   | .87  | .16   | 63  | .22  | .034 | 8.2  | 34.5  | .70  | 298.8 | .066  | <1   | 1.93 | .014 | .07  | 1.0 | .07  | 30  | .4  | .03  | 5.5  | .02  | -    |     |
| 74718        | .99   | 19.85  | 22.38  | 34.0  | 303  | 11.7 | 4.0  | 205  | 1.57 | 147.6  | 1.1  | 9.3   | 1.1  | 18.0  | .20   | .27  | .13   | 30  | .18  | .027 | 6.9  | 18.9  | .26  | 285.9 | .058  | <1   | 1.56 | .021 | .06  | .2  | .06  | 33  | .4  | <.02 | 5.4  | .02  | -    |     |
| 74719        | .95   | 15.70  | 20.91  | 65.0  | 58   | 17.1 | 7.3  | 247  | 2.65 | 224.8  | .6   | 5.0   | 3.2  | 19.5  | .09   | .54  | .14   | 62  | .26  | .033 | 10.1 | 32.4  | .64  | 252.2 | .084  | <1   | 1.89 | .018 | .04  | .3  | .06  | 13  | .3  | .03  | 5.0  | .01  | -    |     |
| 74720        | 1.59  | 41.00  | 26.09  | 102.4 | 197  | 32.3 | 16.3 | 428  | 3.60 | 142.8  | 1.0  | 3.2   | 6.3  | 23.0  | .30   | .32  | .25   | 80  | .45  | .063 | 18.1 | 194.5 | 2.56 | 239.0 | .112  | <1   | 2.92 | .013 | .09  | .2  | .30  | 20  | .6  | .03  | 7.4  | .01  | 4.4  |     |
| 74721        | 1.53  | 17.72  | 19.66  | 61.5  | 240  | 20.5 | 7.4  | 201  | 2.50 | 132.6  | .5   | 2.5   | 2.7  | 14.4  | .22   | .50  | .19   | 59  | .16  | .033 | 8.2  | 34.9  | .66  | 156.9 | .081  | <1   | 1.89 | .013 | .05  | .3  | .09  | 19  | .3  | .03  | 5.6  | .02  | -    |     |
| STANDARD DS2 | 14.57 | 132.63 | 32.85  | 168.0 | 250  | 38.5 | 12.7 | 833  | 3.23 | 67.5   | 22.3 | 215.7 | 3.6  | 28.5  | 11.09 | 9.79 | 11.73 | 82  | .56  | .084 | 14.2 | 193.6 | .66  | 157.0 | .126  | 2    | 1.92 | .044 | .17  | 7.7 | 1.92 | 266 | 2.5 | 1.89 | 5.9  | .02  | -    |     |

Sample type: SOIL. Samples beginning "RE" are Retruns and "RRE" are Reject Retruns.



| SAMPLE#  | Mo    | Cu     | Pb    | Zn    | Ag  | Ni   | Co   | Mn   | Fe   | As    | U    | Au    | Th  | Sr    | Cd    | Sb   | Bi    | V   | Ca   | P    | La   | Cr    | Hg   | Ba     | Ti   | B   | Al   | Na   | K   | W   | Yl   | Hg  | Se  | Te   | Ga  | S    | pH  |
|----------|-------|--------|-------|-------|-----|------|------|------|------|-------|------|-------|-----|-------|-------|------|-------|-----|------|------|------|-------|------|--------|------|-----|------|------|-----|-----|------|-----|-----|------|-----|------|-----|
|          | ppm   | ppm    | ppm   | ppm   | ppb | ppm  | ppm  | ppm  | %    | ppm   | ppm  | ppb   | ppm | ppm   | ppm   | ppm  | ppm   | ppm | %    | %    | ppm  | ppm   | %    | ppm    | %    | ppm | %    | %    | ppm | ppm | ppb  | ppm | ppm | ppm  | %   | -    |     |
| 74722    | 1.15  | 20.94  | 16.06 | 67.5  | 56  | 21.9 | 10.7 | 308  | 2.62 | 92.3  | .8   | 5.7   | 3.5 | 28.2  | .26   | .66  | .24   | 59  | .35  | .044 | 11.7 | 34.5  | .70  | 337.4  | .084 | 1   | 2.00 | .023 | .04 | .3  | .08  | 42  | .5  | .04  | 5.3 | <.01 | 4.6 |
| 74723    | 1.28  | 86.92  | 51.87 | 170.0 | 69  | 89.3 | 21.1 | 625  | 3.61 | 41.2  | 1.0  | 2.8   | 5.4 | 29.1  | .38   | .41  | .37   | 86  | .54  | .078 | 13.4 | 194.5 | 2.73 | 262.4  | .129 | 1   | 2.81 | .015 | .23 | .2  | .31  | 30  | 1.0 | .05  | 7.6 | <.01 | -   |
| 74724    | 1.38  | 36.94  | 19.70 | 76.6  | 101 | 56.4 | 16.2 | 318  | 3.13 | 28.3  | .8   | 2.2   | 5.5 | 22.3  | .21   | .51  | .34   | 77  | .34  | .040 | 14.4 | 112.1 | 1.66 | 197.9  | .095 | 1   | 2.28 | .015 | .05 | .2  | .17  | 31  | .6  | .03  | 6.7 | <.01 | -   |
| 74725    | 1.39  | 31.01  | 40.55 | 163.4 | 225 | 29.0 | 14.5 | 668  | 2.88 | 30.7  | .9   | 4.3   | 3.3 | 22.7  | .27   | .22  | .35   | 60  | .32  | .058 | 9.8  | 59.7  | 1.70 | 233.0  | .130 | 1   | 1.87 | .013 | .44 | .6  | .40  | 61  | .6  | .03  | 6.3 | .05  | -   |
| 74726    | 1.29  | 25.63  | 11.71 | 102.4 | 166 | 42.4 | 26.9 | 1395 | 3.52 | 148.3 | .7   | 6.9   | 2.1 | 16.8  | .22   | .41  | .22   | 79  | .23  | .057 | 8.2  | 102.9 | 1.79 | 198.3  | .116 | 1   | 2.11 | .014 | .20 | .4  | .21  | 48  | .6  | .06  | 6.7 | .02  | 3.8 |
| 74727    | 1.37  | 14.75  | 9.64  | 89.5  | 74  | 14.2 | 17.9 | 1970 | 3.15 | 270.0 | .6   | 10.9  | 2.3 | 16.7  | .15   | .55  | .17   | 61  | .19  | .046 | 8.3  | 22.4  | .96  | 207.6  | .101 | 1   | 1.73 | .014 | .18 | .2  | .14  | 26  | .7  | .03  | 6.5 | .02  | -   |
| 74728    | 1.21  | 22.67  | 9.05  | 87.2  | 148 | 29.4 | 12.8 | 915  | 3.11 | 233.8 | .5   | 9.0   | 1.9 | 17.8  | .17   | .51  | .37   | 75  | .24  | .044 | 8.4  | 65.1  | 1.35 | 314.9  | .109 | 1   | 1.77 | .012 | .22 | .4  | .18  | 33  | .5  | .04  | 7.5 | .03  | -   |
| 74729    | 1.70  | 6.05   | 4.21  | 63.8  | 11  | 4.5  | 4.1  | 323  | 2.48 | 9.8   | .5   | 2.3   | 3.0 | 18.5  | .04   | .15  | .14   | 40  | .07  | .031 | 6.5  | 13.0  | 1.04 | 226.2  | .149 | 1   | 1.34 | .009 | .39 | .2  | .16  | 14  | .3  | .07  | 6.7 | .08  | -   |
| 74730    | .86   | 19.91  | 5.98  | 64.2  | 85  | 19.3 | 9.4  | 474  | 2.16 | 74.8  | .8   | 2.9   | 2.7 | 25.9  | .25   | .74  | .17   | 54  | .35  | .037 | 10.1 | 26.7  | .54  | 256.9  | .079 | 2   | 1.24 | .027 | .05 | .3  | 10   | 39  | .7  | .06  | 4.3 | .04  | 4.0 |
| 74731    | .85   | 29.19  | 3.21  | 14.4  | 123 | 18.6 | 2.3  | 316  | .41  | 65.6  | 2.9  | 18.5  | .2  | 278.4 | .55   | 1.39 | .09   | 10  | 4.33 | .082 | 1.4  | 4.7   | .30  | 1424.7 | .016 | 5   | .35  | .025 | .03 | <.2 | .05  | 89  | 2.3 | .09  | .7  | .23  | -   |
| 74732    | 1.22  | 28.40  | 9.11  | 44.1  | 115 | 19.1 | 8.7  | 363  | 2.19 | 350.5 | 1.6  | 34.4  | 2.7 | 45.2  | .33   | .93  | .15   | 44  | .42  | .032 | 8.3  | 24.8  | .36  | 282.2  | .062 | 1   | 1.38 | .021 | .06 | .2  | .05  | 39  | .9  | .06  | 3.5 | .02  | -   |
| 74733    | 1.57  | 23.37  | 9.88  | 84.2  | 196 | 26.5 | 10.9 | 536  | 2.59 | 911.9 | 1.2  | 22.7  | 2.9 | 42.7  | .38   | 1.14 | .20   | 54  | .36  | .073 | 9.8  | 28.7  | .61  | 218.1  | .076 | 1   | 1.41 | .026 | .07 | .2  | .08  | 38  | 1.0 | .05  | 4.1 | .03  | -   |
| RE 74733 | 1.65  | 23.63  | 10.13 | 86.5  | 201 | 26.8 | 11.3 | 553  | 2.65 | 937.6 | 1.2  | 19.8  | 3.0 | 45.2  | .36   | 1.18 | .20   | 57  | .38  | .075 | 10.1 | 31.3  | .62  | 224.4  | .081 | 2   | 1.45 | .030 | .08 | .3  | .08  | 32  | 1.1 | .05  | 4.4 | .03  | -   |
| 74734    | 1.40  | 21.86  | 10.37 | 64.0  | 59  | 32.1 | 12.7 | 502  | 3.29 | 543.1 | .6   | 22.4  | 3.0 | 20.2  | .14   | .96  | .21   | 78  | .18  | .036 | 8.7  | 37.2  | .58  | 239.1  | .072 | 1   | 2.45 | .015 | .07 | .2  | .08  | 23  | .5  | .07  | 6.6 | .01  | 3.5 |
| 74735    | .91   | 28.30  | 11.25 | 32.2  | 321 | 25.1 | 7.1  | 389  | 2.22 | 468.3 | 1.0  | 26.7  | 1.5 | 79.2  | .15   | .87  | .18   | 49  | .89  | .043 | 8.3  | 23.1  | .28  | 746.3  | .045 | 1   | 1.40 | .019 | .05 | .2  | .07  | 43  | .8  | .07  | 4.6 | .05  | -   |
| 74736    | 1.29  | 12.39  | 11.29 | 33.1  | 67  | 14.4 | 5.2  | 207  | 2.13 | 368.6 | .4   | 24.0  | 1.4 | 14.6  | .08   | .98  | .19   | 65  | .11  | .028 | 9.0  | 19.5  | .23  | 136.2  | .070 | 1   | 1.06 | .012 | .06 | .2  | .08  | 29  | .5  | .05  | 6.1 | .02  | -   |
| 74737    | .99   | 18.99  | 24.47 | 35.2  | 505 | 13.6 | 4.7  | 147  | 1.99 | 205.9 | .4   | 21.0  | 1.3 | 13.8  | .12   | 1.03 | .10   | 57  | .10  | .026 | 6.6  | 23.0  | .26  | 183.0  | .057 | 1   | 1.43 | .014 | .05 | .2  | .07  | 37  | .5  | .05  | 5.7 | .03  | -   |
| 74738    | 1.09  | 21.08  | 83.67 | 82.9  | 279 | 17.2 | 16.4 | 1154 | 2.67 | 121.5 | .6   | 12.2  | 2.2 | 11.7  | .22   | 1.44 | .22   | 73  | .12  | .040 | 9.2  | 34.7  | .41  | 149.1  | .086 | 1   | 1.93 | .018 | .06 | .2  | .11  | 31  | .5  | .07  | 6.9 | .02  | 3.4 |
| 74739    | 1.98  | 35.87  | 56.60 | 104.3 | 863 | 22.8 | 8.8  | 913  | 2.03 | 44.8  | 1.9  | 2.7   | 3.5 | 38.5  | 1.91  | .66  | 1.15  | 43  | .29  | .072 | 10.9 | 23.8  | .19  | 626.0  | .038 | 1   | 1.35 | .022 | .12 | .2  | .13  | 35  | .5  | .08  | 5.9 | .03  | -   |
| 74740    | 2.01  | 27.01  | 14.32 | 96.7  | 382 | 27.7 | 10.1 | 550  | 2.47 | 46.3  | .8   | 1.2   | 2.3 | 27.0  | .75   | .55  | .21   | 58  | .24  | .039 | 8.5  | 36.6  | .58  | 828.5  | .073 | 1   | 1.27 | .018 | .11 | <.2 | .09  | 24  | .5  | .07  | 5.2 | .02  | -   |
| 74741    | 1.28  | 24.38  | 16.90 | 83.6  | 136 | 17.2 | 6.5  | 338  | 2.61 | 100.1 | 1.0  | 5.8   | 4.2 | 26.4  | .39   | .64  | .20   | 52  | .29  | .050 | 11.3 | 20.1  | .77  | 316.0  | .098 | 1   | 1.50 | .013 | .22 | .2  | .14  | 22  | .5  | .05  | 4.9 | .02  | -   |
| 74742    | 1.33  | 22.31  | 14.22 | 87.4  | 181 | 19.8 | 6.5  | 357  | 2.85 | 174.3 | 1.0  | 5.4   | 3.5 | 26.5  | .33   | .56  | .21   | 61  | .29  | .043 | 11.0 | 33.4  | .96  | 501.5  | .122 | 1   | 1.86 | .013 | .24 | .2  | .16  | 22  | .5  | .06  | 7.1 | .01  | 4.2 |
| 74743    | 1.22  | 25.64  | 14.45 | 80.6  | 125 | 24.5 | 9.5  | 482  | 2.79 | 38.3  | .9   | 2.7   | 4.0 | 28.1  | .14   | .61  | .18   | 62  | .35  | .052 | 10.3 | 43.1  | .90  | 266.7  | .110 | 1   | 1.82 | .019 | .14 | <.2 | .09  | 27  | .7  | .06  | 5.3 | .02  | -   |
| 74744    | 2.21  | 51.18  | 13.39 | 102.7 | 455 | 43.9 | 11.4 | 567  | 3.01 | 153.7 | 3.0  | 14.3  | 2.7 | 41.3  | .82   | .74  | .24   | 59  | .39  | .067 | 12.2 | 58.0  | 1.07 | 674.2  | .082 | 1   | 2.16 | .014 | .10 | .2  | .11  | 55  | .7  | .07  | 6.7 | .05  | -   |
| 74745    | 1.49  | 29.65  | 20.20 | 85.5  | 213 | 35.0 | 9.9  | 359  | 2.71 | 120.1 | .7   | 7.6   | 2.7 | 28.1  | .21   | .70  | .27   | 67  | .33  | .030 | 7.4  | 73.1  | 1.06 | 290.3  | .121 | 1   | 1.95 | .019 | .10 | .2  | .11  | 25  | .6  | .08  | 5.7 | .02  | -   |
| 74746    | 1.23  | 17.33  | 7.36  | 56.6  | 26  | 13.7 | 6.8  | 314  | 2.60 | 27.1  | .8   | 1.0   | 3.2 | 13.3  | .06   | .48  | .13   | 57  | .14  | .018 | 6.8  | 27.3  | .88  | 221.0  | .108 | <1  | 1.75 | .010 | .08 | <.2 | .07  | 11  | .5  | .06  | 5.6 | .01  | 4.1 |
| 74747    | 1.06  | 11.59  | 4.20  | 82.3  | 37  | 6.3  | 6.8  | 454  | 3.66 | 16.6  | .3   | .9    | 1.5 | 12.1  | .06   | .25  | .08   | 59  | .17  | .043 | 3.0  | 8.7   | 2.05 | 122.6  | .100 | <1  | 2.38 | .008 | .14 | <.2 | .12  | 16  | .4  | .03  | 7.3 | .01  | -   |
| 74748    | .66   | 12.04  | 4.97  | 27.8  | 31  | 13.6 | 3.2  | 126  | .99  | 6.8   | .2   | <.2   | .5  | 8.2   | .05   | .14  | .11   | 32  | .09  | .012 | 2.9  | 37.4  | .43  | 43.5   | .054 | 1   | .74  | .008 | .04 | <.2 | .09  | 8   | .3  | .03  | 4.8 | .03  | -   |
| STANDARD | 13.89 | 131.20 | 31.44 | 166.7 | 254 | 37.8 | 13.1 | 831  | 3.26 | 67.4  | 20.9 | 197.2 | 3.5 | 29.0  | 10.98 | 9.61 | 10.96 | 83  | .56  | .083 | 13.9 | 175.3 | .62  | 147.1  | .117 | 3   | 1.82 | .041 | .16 | 7.2 | 1.98 | 259 | 2.4 | 1.83 | 6.0 | .01  | -   |

Standard is STANDARD DS2. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

AUG 11 1999 15:29 FK ACME LABS

P.02/12  
604 253 1716 TO 6813920  
AUG 24'99 17:11 FR ACME LABS



GEOCHEMICAL ANALYSIS CERTIFICATE



Phelps Dodge Corp. PROJECT 242 File # 9902946 Page 1  
1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Rob Cameron

| SAMPLE#      | Mo    | Cu     | Pb    | Zn    | Ag  | Ni   | Co   | Mn   | Fe   | As    | U    | Au    | Th  | Sr   | Cd    | Sb    | Bi    | V   | Ca   | P    | La   | Cr    | Hg   | Ba    | Ti   | B | Al   | Na   | K   | W   | Tl   | Hg  | Se  | Te   | Ga  | S    |
|--------------|-------|--------|-------|-------|-----|------|------|------|------|-------|------|-------|-----|------|-------|-------|-------|-----|------|------|------|-------|------|-------|------|---|------|------|-----|-----|------|-----|-----|------|-----|------|
|              | ppm   | ppm    | ppm   | ppm   | ppb | ppm  | ppm  | ppm  | %    | ppm   | ppm  | ppb   | ppm | ppm  | ppm   | ppm   | ppm   | ppm | %    | %    | ppm  | ppm   | %    | ppm   | %    | % | %    | %    | %   | ppm | ppm  | ppb | ppm | ppm  | ppm | %    |
| 71842        | 1.35  | 20.85  | 13.30 | 64.6  | 35  | 22.0 | 11.7 | 285  | 3.51 | 16.7  | .4   | 1.2   | 2.6 | 11.5 | .11   | .74   | .22   | 85  | .10  | .031 | 8.3  | 38.8  | .61  | 230.2 | .076 | 2 | 2.64 | .012 | .07 | .2  | .07  | 25  | .4  | .03  | 7.6 | <.01 |
| 71843        | .64   | 31.22  | 6.87  | 52.6  | 10  | 14.7 | 13.4 | 258  | 4.13 | 9.2   | .2   | <.2   | 1.5 | 10.0 | .07   | .52   | .14   | 127 | .13  | .018 | 4.4  | 22.0  | 1.03 | 163.9 | .121 | 2 | 2.48 | .016 | .14 | .2  | .08  | 16  | .2  | .03  | 7.5 | <.01 |
| 71844        | .31   | 45.08  | 4.36  | 56.2  | 53  | 42.4 | 18.1 | 453  | 2.96 | 2.9   | .1   | 1.6   | .6  | 17.2 | .04   | .16   | .09   | 99  | .54  | .118 | 3.5  | 80.7  | 1.86 | 311.6 | .221 | 1 | 2.04 | .026 | .16 | <.2 | .08  | 8   | .2  | <.02 | 7.6 | <.01 |
| 71845        | .96   | 22.14  | 10.18 | 42.8  | 96  | 15.6 | 9.4  | 350  | 2.61 | 6.7   | .7   | 1.2   | 2.3 | 26.7 | .11   | .37   | .18   | 61  | .36  | .038 | 8.9  | 23.1  | .48  | 547.2 | .027 | 1 | 1.78 | .014 | .07 | .2  | .08  | 29  | .5  | .03  | 6.0 | .01  |
| 71846        | 1.25  | 13.80  | 9.89  | 46.7  | 41  | 15.9 | 7.8  | 223  | 2.91 | 8.3   | .5   | 1.8   | 2.8 | 13.6 | .06   | .60   | .21   | 73  | .14  | .016 | 8.6  | 26.6  | .40  | 212.1 | .061 | 1 | 1.88 | .012 | .04 | .2  | .08  | 17  | .2  | .02  | 6.7 | <.01 |
| 71847        | 1.06  | 10.98  | 11.31 | 43.2  | 73  | 12.9 | 6.3  | 157  | 2.11 | 118.8 | .6   | .7    | 4.2 | 18.2 | .08   | .90   | .21   | 54  | .19  | .021 | 14.4 | 22.5  | .37  | 391.9 | .043 | 2 | 1.47 | .015 | .08 | .2  | .07  | 15  | .3  | .02  | 5.3 | .01  |
| 71848        | .92   | 15.73  | 25.07 | 42.8  | 290 | 13.4 | 6.0  | 215  | 2.20 | 36.4  | .9   | 1.4   | 6.1 | 50.9 | .14   | .91   | .29   | 44  | .42  | .028 | 26.7 | 20.4  | .30  | 951.5 | .029 | 2 | 1.38 | .016 | .08 | <.2 | .08  | 29  | .4  | .02  | 5.0 | <.01 |
| 71849        | 1.59  | 20.63  | 42.91 | 62.7  | 462 | 21.2 | 8.9  | 283  | 2.68 | 116.0 | .5   | 3.1   | 3.7 | 19.0 | .21   | 2.16  | .22   | 67  | .16  | .024 | 11.5 | 28.0  | .38  | 442.6 | .033 | 1 | 1.64 | .012 | .05 | .2  | .09  | 33  | .3  | .04  | 5.8 | .01  |
| 71850        | 1.99  | 13.82  | 11.87 | 46.3  | 160 | 15.7 | 6.0  | 229  | 3.68 | 82.0  | .3   | 2.7   | 2.6 | 10.1 | .12   | .95   | .24   | 98  | .08  | .029 | 8.2  | 29.0  | .35  | 171.6 | .101 | 1 | 1.59 | .010 | .04 | .2  | .07  | 18  | .3  | .05  | 8.0 | <.01 |
| 71851        | 1.19  | 23.57  | 18.45 | 60.6  | 419 | 31.5 | 12.4 | 269  | 3.27 | 34.2  | .4   | 2.6   | 3.4 | 16.3 | .27   | .88   | .22   | 77  | .15  | .020 | 8.5  | 37.3  | .56  | 366.0 | .067 | 1 | 2.64 | .012 | .04 | .2  | .08  | 43  | .5  | .06  | 6.3 | <.01 |
| 71852        | 1.23  | 19.77  | 9.02  | 55.9  | 124 | 16.3 | 7.5  | 338  | 2.34 | 6.6   | 1.0  | 3.4   | 7.3 | 24.9 | .32   | .53   | .17   | 59  | .28  | .036 | 20.6 | 25.5  | .45  | 179.6 | .066 | 1 | 1.65 | .017 | .08 | .2  | .09  | 37  | .4  | .03  | 6.1 | .02  |
| 71853        | 1.80  | 20.98  | 12.50 | 71.3  | 78  | 20.7 | 9.7  | 649  | 3.22 | 11.5  | .9   | 1.2   | 4.4 | 15.1 | .21   | .71   | .38   | 91  | .16  | .058 | 15.3 | 32.9  | .49  | 184.9 | .067 | 1 | 2.14 | .012 | .09 | <.2 | .12  | 31  | .5  | .05  | 8.7 | .02  |
| 71854        | .87   | 7.06   | 4.89  | 18.1  | 31  | 4.7  | 3.2  | 287  | 1.32 | 4.0   | .5   | <.2   | 6.6 | 5.5  | .05   | .41   | .14   | 38  | .05  | .019 | 11.1 | 9.5   | .10  | 50.0  | .060 | 1 | .57  | .016 | .04 | .2  | .05  | 16  | .3  | .02  | 4.7 | .02  |
| 71855        | 1.71  | 19.10  | 10.85 | 64.9  | 34  | 24.2 | 12.0 | 337  | 3.37 | 13.8  | .5   | 8.3   | 4.1 | 12.7 | .31   | .90   | .24   | 95  | .12  | .025 | 12.2 | 41.6  | .57  | 161.5 | .111 | 1 | 2.53 | .013 | .06 | .2  | .10  | 34  | .5  | .04  | 8.1 | <.01 |
| 71856        | 1.41  | 20.69  | 9.92  | 66.5  | 36  | 19.8 | 10.5 | 518  | 2.60 | 8.0   | 1.2  | 3.7   | 6.0 | 18.1 | .12   | .57   | .18   | 61  | .21  | .035 | 20.7 | 29.5  | .59  | 197.3 | .075 | 1 | 1.84 | .015 | .05 | <.2 | .09  | 34  | .5  | .02  | 5.7 | .01  |
| 71857        | 1.02  | 14.69  | 10.81 | 67.3  | 22  | 17.5 | 8.9  | 483  | 3.25 | 10.9  | .8   | 12.7  | 2.8 | 17.2 | .14   | .60   | .20   | 90  | .17  | .044 | 11.7 | 30.2  | .56  | 116.0 | .079 | 1 | 1.76 | .011 | .06 | .2  | .10  | 20  | .4  | .05  | 7.9 | .01  |
| 71858        | .63   | 11.89  | 9.56  | 46.6  | 45  | 9.5  | 4.6  | 280  | 1.65 | 3.9   | .7   | 1.7   | 1.8 | 22.3 | .09   | .35   | .40   | 43  | .18  | .033 | 13.2 | 17.0  | .32  | 118.2 | .056 | 1 | 1.12 | .013 | .06 | <.2 | .09  | 20  | .3  | .03  | 5.1 | .03  |
| RE 71859     | .76   | 15.75  | 8.71  | 59.7  | 41  | 16.5 | 7.9  | 380  | 2.34 | 5.8   | 1.0  | 3.2   | 5.3 | 23.3 | .11   | .44   | .18   | 55  | .30  | .052 | 15.0 | 27.3  | .52  | 159.9 | .073 | 1 | 1.61 | .015 | .06 | .2  | .07  | 23  | .3  | .02  | 5.5 | .01  |
| 71859        | .77   | 16.05  | 8.68  | 59.7  | 43  | 16.4 | 7.8  | 375  | 2.33 | 6.0   | 1.0  | .8    | 5.4 | 23.6 | .11   | .42   | .16   | 55  | .30  | .052 | 15.2 | 25.4  | .52  | 161.5 | .071 | 1 | 1.61 | .014 | .07 | .2  | .07  | 23  | .3  | .02  | 5.3 | <.01 |
| 71860        | .87   | 16.63  | 7.04  | 35.7  | 162 | 9.5  | 4.9  | 204  | 1.67 | 4.1   | .7   | 1.1   | 2.5 | 14.5 | .18   | .33   | .17   | 46  | .12  | .033 | 10.8 | 17.4  | .26  | 123.7 | .057 | 1 | 1.11 | .017 | .05 | .2  | .06  | 37  | .4  | .04  | 5.3 | .03  |
| 71861        | .89   | 29.90  | 8.87  | 92.9  | 72  | 22.3 | 16.1 | 997  | 3.45 | 6.5   | 1.1  | 8.0   | 5.3 | 29.8 | .20   | .45   | .18   | 90  | .40  | .070 | 15.7 | 39.7  | .80  | 160.5 | .086 | 1 | 2.04 | .016 | .08 | .2  | .10  | 29  | .4  | .06  | 8.4 | .02  |
| 71862        | 1.15  | 19.62  | 10.47 | 78.9  | 236 | 19.0 | 13.1 | 1360 | 2.85 | 6.7   | 2.4  | 2.6   | 6.1 | 35.3 | .16   | .52   | .21   | 68  | .44  | .085 | 30.0 | 30.7  | .54  | 288.5 | .040 | 1 | 2.18 | .015 | .07 | .2  | .11  | 62  | .4  | .05  | 7.5 | .06  |
| 71876        | 1.62  | 16.91  | 10.57 | 66.0  | 102 | 21.4 | 11.8 | 453  | 3.31 | 13.2  | .4   | 1.2   | 2.9 | 12.8 | .12   | .73   | .22   | 89  | .13  | .039 | 7.8  | 34.0  | .50  | 276.8 | .102 | 1 | 2.35 | .013 | .08 | .2  | .10  | 16  | .2  | .06  | 7.5 | <.01 |
| 71877        | .91   | 29.44  | 19.68 | 62.1  | 224 | 20.9 | 11.7 | 1440 | 2.95 | 9.7   | 1.4  | .7    | 2.5 | 32.5 | .18   | .46   | .27   | 75  | .63  | .048 | 23.5 | 32.3  | .49  | 614.0 | .057 | 2 | 1.81 | .019 | .06 | <.2 | .10  | 63  | .4  | .04  | 6.8 | .03  |
| 71878        | 1.42  | 23.25  | 11.39 | 70.0  | 44  | 29.7 | 15.8 | 326  | 3.68 | 14.1  | .4   | .2    | 3.1 | 17.9 | .14   | .94   | .22   | 96  | .16  | .040 | 7.0  | 41.2  | .68  | 380.9 | .115 | 1 | 2.90 | .013 | .09 | .2  | .09  | 25  | .3  | .06  | 7.6 | .02  |
| 71879        | .89   | 14.27  | 9.96  | 34.6  | 118 | 9.7  | 7.8  | 734  | 2.17 | 4.3   | .6   | 1.8   | 2.1 | 16.3 | .08   | .35   | .17   | 60  | .16  | .017 | 8.6  | 22.8  | .34  | 186.6 | .042 | 1 | 1.53 | .018 | .06 | <.2 | .10  | 22  | .4  | .04  | 5.8 | .02  |
| 71881        | .61   | 25.39  | 38.14 | 138.7 | 223 | 26.8 | 10.7 | 396  | 2.36 | 251.1 | 1.3  | 29.6  | 3.7 | 48.2 | .77   | .84   | .19   | 42  | 1.44 | .062 | 15.9 | 30.1  | .62  | 273.8 | .045 | 2 | 1.41 | .015 | .06 | .2  | .07  | 45  | .7  | .05  | 4.2 | .07  |
| 71882        | .63   | 24.93  | 21.06 | 85.7  | 166 | 27.4 | 12.0 | 382  | 2.56 | 195.5 | .8   | 19.4  | 4.6 | 46.7 | .36   | .80   | .19   | 43  | 1.28 | .061 | 18.0 | 24.8  | .62  | 224.5 | .044 | 2 | 1.46 | .016 | .07 | .5  | .06  | 32  | .7  | .04  | 4.3 | .05  |
| 71883        | .56   | 16.94  | 15.19 | 80.1  | 101 | 17.7 | 9.5  | 457  | 1.80 | 75.8  | .7   | 4.7   | 1.8 | 59.9 | .44   | .48   | .14   | 33  | 1.72 | .054 | 11.6 | 19.0  | .42  | 344.5 | .029 | 3 | 1.06 | .014 | .06 | .2  | .05  | 35  | .7  | .05  | 3.3 | .05  |
| 71884        | .67   | 20.92  | 15.70 | 82.7  | 122 | 27.0 | 12.8 | 481  | 2.49 | 106.3 | .7   | 7.8   | 3.4 | 44.5 | .33   | .60   | .16   | 48  | 1.35 | .079 | 15.2 | 30.1  | .56  | 374.4 | .033 | 2 | 1.34 | .014 | .07 | .3  | .06  | 33  | .8  | .04  | 4.5 | .03  |
| 71885        | .50   | 18.93  | 13.35 | 67.4  | 122 | 16.6 | 9.0  | 417  | 1.88 | 47.2  | .7   | 7.7   | 2.4 | 47.8 | .37   | .59   | .16   | 35  | 1.57 | .059 | 12.6 | 17.8  | .45  | 204.3 | .033 | 3 | 1.06 | .015 | .08 | .5  | .05  | 36  | .8  | .04  | 3.5 | .05  |
| 71886        | 1.31  | 17.33  | 9.20  | 63.4  | 120 | 14.9 | 9.7  | 506  | 2.25 | 6.8   | 1.2  | 3.1   | 6.0 | 37.1 | .22   | .51   | .16   | 43  | .67  | .061 | 19.4 | 20.7  | .46  | 256.0 | .041 | 1 | 1.35 | .016 | .07 | .3  | .07  | 38  | .3  | .04  | 4.6 | .02  |
| 71887        | 1.10  | 15.52  | 19.29 | 45.5  | 176 | 12.6 | 7.6  | 321  | 2.12 | 15.8  | .5   | 5.9   | 1.8 | 21.5 | .19   | .75   | .26   | 64  | .23  | .028 | 9.5  | 23.2  | .28  | 201.9 | .073 | 1 | 1.19 | .015 | .07 | .2  | .09  | 22  | .3  | .05  | 6.0 | <.01 |
| 71888        | 1.31  | 21.64  | 17.98 | 60.6  | 98  | 26.0 | 9.4  | 275  | 2.75 | 80.0  | .9   | 4.1   | 3.0 | 15.4 | .19   | 1.21  | .25   | 72  | .12  | .028 | 13.4 | 32.7  | .46  | 221.0 | .077 | 1 | 1.70 | .013 | .08 | .2  | .07  | 16  | .4  | .06  | 5.8 | <.01 |
| STANDARD DS2 | 13.97 | 136.06 | 32.34 | 172.1 | 244 | 38.2 | 13.2 | 855  | 3.28 | 67.5  | 21.2 | 205.0 | 3.6 | 32.2 | 11.55 | 10.10 | 11.50 | 85  | .57  | .085 | 14.5 | 174.0 | .63  | 148.1 | .117 | 2 | 1.83 | .041 | .17 | 7.8 | 1.92 | 254 | 2.8 | 1.95 | 6.5 | .02  |

15 GRAM SAMPLE IS DIGESTED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML WITH WATER, ANALYSIS BY ICP/ES & MS.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL.  
- SAMPLE TYPE: SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 1999 DATE REPORT MAILED: *Aug 24/99* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date: *[Signature]* FA

P. 03/12

604 253 1716 TO 6813920

AUG 24' 99 17:12 FR ACME LABS



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K %  | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|------|-------|--------|--------|--------|--------|--------|------|
| 71889        | 1.61   | 36.85  | 17.19  | 80.6   | 159    | 102.0  | 14.4   | 336    | 2.86 | 100.8  | 1.0   | 3.7    | 3.8    | 46.6   | .27    | 1.67   | .24    | 72    | .45  | .048 | 13.2   | 137.5  | 1.13 | 262.1  | .102 | 1     | 1.63 | .020 | .17  | .2    | .16    | 26     | .6     | .06    | 5.6    | .04  |
| 71890        | .98    | 26.33  | 18.69  | 77.5   | 75     | 33.4   | 12.6   | 474    | 2.94 | 30.8   | .9    | 2.3    | 4.9    | 30.2   | .13    | .71    | .27    | 68    | .40  | .039 | 11.5   | 63.6   | 1.13 | 345.1  | .113 | 1     | 1.89 | .019 | .15  | .2    | .15    | 17     | .5     | .04    | 5.4    | <.01 |
| 71891        | 1.26   | 34.53  | 11.59  | 134.8  | 68     | 14.6   | 16.1   | 922    | 3.90 | 6.2    | .6    | .4     | 4.1    | 30.5   | .37    | .38    | .25    | 98    | .28  | .025 | 6.8    | 23.0   | 1.90 | 496.7  | .193 | <1    | 2.33 | .014 | 1.02 | <.2   | .46    | 19     | .3     | .05    | 8.1    | <.01 |
| 71892        | 1.68   | 14.68  | 16.87  | 53.7   | 208    | 11.5   | 8.4    | 603    | 2.56 | 13.3   | .8    | 3.7    | 7.0    | 35.4   | .24    | .47    | .34    | 48    | .45  | .029 | 19.5   | 19.5   | .51  | 518.8  | .064 | 1     | 1.27 | .016 | .31  | <.2   | .09    | 14     | .3     | .05    | 4.9    | .02  |
| 71893        | 1.33   | 33.08  | 35.04  | 91.5   | 229    | 26.5   | 12.0   | 371    | 2.72 | 91.5   | 2.2   | 5.6    | 5.7    | 46.9   | .31    | 1.21   | .24    | 50    | .93  | .072 | 20.4   | 35.5   | .59  | 523.0  | .057 | 1     | 1.62 | .018 | .10  | .2    | .10    | 35     | .6     | .05    | 4.9    | .04  |
| 71894        | .57    | 21.92  | 12.30  | 65.3   | 120    | 19.8   | 10.1   | 442    | 2.36 | 59.0   | 1.0   | 48.7   | 3.6    | 48.9   | .20    | 1.50   | .18    | 45    | 1.01 | .061 | 13.6   | 25.8   | .47  | 400.6  | .036 | 1     | 1.53 | .017 | .07  | .2    | .06    | 35     | .3     | .03    | 4.5    | .02  |
| 71895        | .71    | 19.45  | 10.00  | 54.1   | 79     | 15.3   | 8.6    | 745    | 2.19 | 8.4    | 1.4   | 1.4    | 2.6    | 62.7   | .17    | .55    | .16    | 41    | 1.44 | .061 | 11.7   | 15.0   | .36  | 548.9  | .030 | 3     | 1.39 | .014 | .07  | <.2   | .07    | 33     | .3     | <.02   | 4.1    | .04  |
| 71896        | 1.91   | 34.22  | 37.77  | 97.1   | 456    | 31.1   | 10.1   | 334    | 2.83 | 59.0   | 2.7   | 6.7    | 4.4    | 29.3   | .54    | 1.02   | .23    | 70    | .29  | .056 | 19.2   | 44.6   | .58  | 284.3  | .077 | 1     | 1.90 | .015 | .10  | .2    | .14    | 61     | .6     | .04    | 6.7    | .01  |
| 71897        | 2.84   | 26.68  | 50.04  | 110.5  | 301    | 30.6   | 13.4   | 501    | 2.86 | 82.7   | 2.0   | 27.5   | 5.5    | 26.4   | .30    | 1.17   | .24    | 74    | .31  | .072 | 18.1   | 42.2   | .68  | 296.5  | .083 | 1     | 1.74 | .013 | .13  | .2    | .18    | 33     | .6     | .03    | 6.2    | .02  |
| 71898        | 1.34   | 18.37  | 28.50  | 65.2   | 342    | 17.9   | 5.0    | 144    | 1.84 | 33.5   | 1.5   | 4.0    | 1.2    | 24.1   | .21    | .58    | .26    | 42    | .23  | .061 | 14.3   | 30.8   | .47  | 188.5  | .044 | 1     | 1.41 | .013 | .07  | <.2   | .14    | 63     | .7     | .05    | 5.8    | .05  |
| 71899        | .59    | 13.14  | 19.87  | 48.1   | 163    | 13.0   | 3.7    | 103    | 1.44 | 19.6   | 1.1   | 4.5    | .8     | 17.6   | .17    | .36    | .20    | 30    | .17  | .039 | 12.8   | 25.9   | .38  | 146.3  | .039 | 1     | 1.25 | .010 | .05  | <.2   | .14    | 43     | .6     | <.02   | 5.5    | .04  |
| 73100        | .82    | 24.73  | 10.99  | 82.0   | 52     | 22.2   | 15.5   | 365    | 3.95 | 7.3    | .5    | 1.4    | 2.9    | 17.7   | .09    | .55    | .33    | 105   | .21  | .031 | 7.9    | 36.1   | .72  | 280.5  | .067 | 2     | 2.64 | .012 | .08  | <.2   | .11    | 26     | .3     | .04    | 7.4    | <.01 |
| 73101        | 1.12   | 9.24   | 34.53  | 56.4   | 22     | 9.0    | 5.1    | 352    | 2.84 | 7.9    | .4    | .4     | 2.1    | 10.6   | .12    | .51    | .62    | 77    | .10  | .025 | 7.9    | 18.4   | .35  | 142.1  | .059 | 1     | 1.49 | .009 | .08  | <.2   | .10    | 12     | .1     | .04    | 7.8    | .01  |
| 73102        | .74    | 5.47   | 6.96   | 48.5   | 11     | 4.9    | 4.1    | 176    | 2.16 | 3.3    | .4    | .9     | 1.6    | 17.2   | .17    | .53    | .24    | 79    | .11  | .030 | 6.6    | 15.1   | .35  | 121.2  | .102 | 1     | 1.18 | .010 | .12  | <.2   | .10    | 13     | 2      | .03    | 9.6    | .01  |
| 73103        | 1.26   | 25.04  | 23.66  | 97.8   | 239    | 24.5   | 18.3   | 1074   | 3.38 | 85.2   | 1.8   | 10.4   | 4.2    | 38.1   | .53    | .70    | .48    | 68    | .51  | .060 | 19.7   | 37.6   | .61  | 423.6  | .050 | 1     | 1.90 | .018 | .06  | <.2   | .12    | 67     | .5     | .04    | 5.7    | .06  |
| RE 73103     | 1.31   | 24.96  | 23.88  | 98.2   | 234    | 24.2   | 18.2   | 1114   | 3.44 | 88.2   | 1.8   | 8.2    | 4.0    | 37.0   | .49    | .69    | .30    | 68    | .51  | .061 | 18.9   | 34.7   | .59  | 408.4  | .044 | 1     | 1.76 | .017 | .06  | .2    | .10    | 65     | .7     | .06    | 5.5    | .07  |
| 73104        | 1.14   | 27.20  | 16.75  | 63.8   | 263    | 24.1   | 11.2   | 636    | 2.62 | 52.0   | 1.7   | 15.9   | 2.8    | 43.8   | .27    | .59    | .23    | 56    | .70  | .052 | 18.0   | 37.5   | .56  | 341.1  | .039 | 1     | 1.89 | .015 | .05  | .2    | .10    | 53     | .6     | .04    | 5.9    | .04  |
| 73105        | .88    | 19.16  | 11.60  | 56.4   | 105    | 17.8   | 7.2    | 266    | 2.27 | 40.2   | .6    | 24.7   | 3.2    | 23.6   | .30    | .47    | .19    | 57    | .28  | .024 | 11.9   | 30.8   | .49  | 207.4  | .069 | 1     | 1.67 | .013 | .06  | .2    | .07    | 22     | .3     | .03    | 5.8    | .01  |
| 73106        | .96    | 11.40  | 11.59  | 55.7   | 76     | 14.0   | 6.4    | 233    | 2.57 | 16.8   | .5    | 2.8    | 3.5    | 16.8   | .19    | .42    | .16    | 73    | .20  | .021 | 11.1   | 29.7   | .58  | 187.7  | .077 | 1     | 1.75 | .011 | .06  | .2    | .09    | 18     | .2     | .02    | 7.0    | .01  |
| 73107        | .76    | 12.80  | 10.94  | 46.7   | 83     | 13.7   | 6.1    | 256    | 2.08 | 24.4   | .4    | 32.7   | 2.7    | 14.7   | .22    | .39    | .16    | 51    | .17  | .028 | 10.1   | 26.8   | .42  | 176.0  | .054 | 1     | 1.60 | .014 | .05  | <.2   | .08    | 14     | .1     | .02    | 5.5    | .02  |
| 73108        | .79    | 20.01  | 8.49   | 61.7   | 187    | 14.4   | 6.4    | 521    | 2.20 | 3.6    | 1.0   | 1.6    | 1.7    | 49.5   | .28    | .35    | .26    | 49    | .74  | .055 | 24.0   | 24.0   | .47  | 616.6  | .031 | 2     | 1.75 | .018 | .12  | .2    | .10    | 55     | .2     | .03    | 6.9    | .05  |
| 73109        | .58    | 20.71  | 7.61   | 56.9   | 33     | 20.9   | 9.2    | 369    | 2.73 | 7.4    | .6    | 2.6    | 4.8    | 21.2   | .08    | .53    | .13    | 65    | .28  | .017 | 12.2   | 34.7   | .69  | 336.8  | .094 | 1     | 1.74 | .014 | .08  | .2    | .07    | 20     | .3     | .03    | 5.4    | <.01 |
| 73110        | .71    | 11.05  | 9.12   | 63.2   | 41     | 13.9   | 8.2    | 336    | 3.05 | 4.2    | .6    | .2     | 5.1    | 12.4   | .09    | .43    | .18    | 75    | .13  | .023 | 17.0   | 32.2   | .84  | 314.9  | .112 | 2     | 2.01 | .012 | .16  | <.2   | .13    | 12     | .2     | .02    | 9.4    | .01  |
| 73111        | 1.24   | 11.26  | 11.14  | 42.5   | 36     | 15.3   | 6.8    | 191    | 2.98 | 7.9    | .3    | 2.3    | 2.8    | 11.0   | .10    | .63    | .22    | 87    | .11  | .016 | 8.9    | 34.1   | .40  | 200.6  | .090 | 1     | 2.07 | .011 | .04  | <.2   | .11    | 12     | .3     | .04    | 8.1    | .01  |
| 73112        | 1.16   | 35.80  | 17.78  | 71.8   | 202    | 11.7   | 6.4    | 314    | 2.49 | 6.3    | 1.9   | 2.5    | 3.7    | 23.2   | .34    | .44    | .67    | 62    | .22  | .032 | 18.3   | 25.0   | .39  | 381.2  | .029 | 2     | 2.06 | .011 | .09  | .2    | .13    | 37     | .4     | .03    | 7.6    | .01  |
| 73113        | .44    | 29.90  | 17.33  | 82.5   | 55     | 15.0   | 9.3    | 496    | 2.58 | 3.4    | 1.3   | 2.6    | 10.0   | 20.9   | .10    | .39    | .25    | 47    | .27  | .046 | 29.7   | 30.0   | .78  | 217.1  | .066 | 1     | 1.73 | .013 | .09  | .2    | .09    | 26     | .1     | <.02   | 6.3    | <.01 |
| 73114        | .44    | 17.33  | 15.02  | 77.0   | 89     | 16.9   | 10.9   | 352    | 2.51 | 6.0    | 1.0   | 2.8    | 8.3    | 34.1   | .11    | .60    | .21    | 55    | .44  | .051 | 21.5   | 30.8   | .73  | 385.7  | .074 | 2     | 1.88 | .020 | .09  | .2    | .11    | 43     | .6     | .03    | 6.3    | .01  |
| 73115        | 1.04   | 25.07  | 35.40  | 118.9  | 170    | 25.5   | 12.6   | 611    | 2.70 | 113.3  | 1.3   | 11.5   | 4.4    | 62.5   | .55    | .73    | .19    | 42    | 1.36 | .047 | 17.2   | 36.9   | .54  | 311.6  | .031 | 2     | 1.46 | .015 | .06  | .2    | .07    | 35     | .9     | .04    | 4.2    | .09  |
| 73116        | .50    | 15.61  | 34.32  | 99.1   | 190    | 19.5   | 9.8    | 497    | 1.93 | 63.9   | 1.0   | 6.1    | 3.7    | 38.7   | .41    | .59    | .12    | 33    | .75  | .040 | 13.4   | 23.2   | .41  | 239.5  | .044 | 2     | 1.18 | .020 | .05  | <.2   | .05    | 30     | 1.1    | .04    | 3.2    | .05  |
| 73117        | 1.07   | 24.24  | 55.78  | 61.9   | 327    | 19.3   | 9.8    | 532    | 2.45 | 35.0   | 2.6   | 6.8    | 5.4    | 50.4   | .34    | .57    | .38    | 48    | 1.07 | .056 | 33.8   | 30.3   | .44  | 388.1  | .030 | 1     | 1.48 | .020 | .06  | .2    | .10    | 50     | .5     | .03    | 4.8    | .04  |
| 73118        | 1.67   | 41.49  | 19.84  | 95.2   | 78     | 35.0   | 10.7   | 254    | 3.02 | 122.6  | 1.0   | 2.9    | 3.8    | 19.5   | .19    | 2.32   | .21    | 67    | .16  | .043 | 14.8   | 47.2   | .76  | 192.3  | .080 | 1     | 1.87 | .013 | .09  | <.2   | .13    | 15     | .9     | .05    | 5.3    | .04  |
| 73119        | 2.07   | 28.14  | 41.31  | 104.5  | 90     | 34.9   | 13.0   | 544    | 3.72 | 160.3  | .6    | 4.1    | 3.0    | 17.8   | .60    | 2.39   | .26    | 89    | .11  | .046 | 10.5   | 63.3   | .58  | 152.0  | .101 | 1     | 1.84 | .009 | .06  | .2    | .12    | 20     | .6     | .07    | 7.3    | .02  |
| 73120        | 2.46   | 32.01  | 82.41  | 98.6   | 550    | 32.3   | 10.8   | 418    | 2.70 | 113.3  | 1.5   | 4.5    | 2.2    | 26.5   | .54    | 1.51   | .30    | 62    | .27  | .072 | 13.1   | 46.0   | .61  | 397.2  | .066 | 1     | 1.86 | .012 | .07  | .2    | .13    | 71     | 1.1    | .06    | 5.8    | .04  |
| 73121        | 2.14   | 37.18  | 66.18  | 81.5   | 675    | 41.0   | 14.0   | 731    | 2.82 | 180.4  | 2.7   | 24.3   | 4.8    | 44.0   | .39    | 1.23   | .44    | 54    | .47  | .040 | 24.6   | 33.0   | .53  | 229.4  | .063 | 1     | 1.73 | .015 | .12  | .2    | .14    | 45     | .8     | .06    | 5.7    | .03  |
| STANDARD DS2 | 14.08  | 134.98 | 31.95  | 172.2  | 240    | 38.6   | 13.7   | 850    | 3.30 | 67.1   | 20.3  | 201.8  | 3.4    | 31.1   | 11.33  | 9.90   | 10.93  | 83    | .56  | .084 | 14.5   | 172.2  | .62  | 147.5  | .114 | 2     | 1.81 | .041 | .17  | 7.2   | 1.96   | 249    | 2.6    | 1.93   | 6.3    | .02  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date: *[Signature]* FA



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|--------|--------|--------|--------|--------|------|
| 73122        | 1.57   | 35.29  | 26.35  | 82.9   | 247    | 35.6   | 11.9   | 612    | 3.20 | 129.2  | .8    | 1.3    | 3.6    | 17.9   | .18    | 1.54   | .31    | 82    | .17  | .040 | 10.8   | 47.1   | .96  | 238.3  | .121 | 2     | 1.86 | .012 | .21 | .2    | .17    | 27     | .5     | .06    | 7.4    | <.01 |
| 73123        | 1.77   | 42.21  | 91.89  | 96.0   | 216    | 37.8   | 12.5   | 575    | 3.64 | 178.3  | 1.3   | 2.6    | 6.8    | 17.6   | .16    | 2.18   | .62    | 76    | .09  | .055 | 14.5   | 46.4   | .88  | 117.2  | .110 | 2     | 1.79 | .008 | .26 | <.2   | .21    | 16     | .5     | .08    | 7.0    | .03  |
| 73124        | 1.72   | 20.27  | 37.38  | 73.9   | 222    | 19.7   | 48.1   | 3822   | 3.25 | 71.3   | .8    | 2.0    | 2.6    | 15.5   | .36    | 1.09   | .36    | 73    | .10  | .072 | 8.8    | 31.9   | .42  | 205.5  | .056 | 1     | 1.77 | .012 | .07 | .2    | .12    | 45     | .4     | .09    | 7.3    | .02  |
| 73125        | 1.23   | 17.01  | 18.89  | 54.7   | 86     | 19.1   | 7.6    | 218    | 2.86 | 18.3   | .4    | .9     | 2.4    | 12.5   | .13    | .75    | .26    | 84    | .10  | .024 | 7.0    | 31.0   | .46  | 161.9  | .093 | 1     | 1.84 | .009 | .05 | .2    | .09    | 20     | .3     | .06    | 7.3    | <.01 |
| 73126        | 1.24   | 20.56  | 22.60  | 53.4   | 258    | 20.4   | 10.3   | 382    | 2.38 | 43.1   | .6    | 1.0    | 2.3    | 13.7   | .14    | .79    | .29    | 67    | .12  | .032 | 7.7    | 27.1   | .40  | 195.0  | .076 | 1     | 1.47 | .013 | .08 | .2    | .09    | 31     | .2     | .06    | 5.9    | .01  |
| 73127        | 1.21   | 11.50  | 21.19  | 44.6   | 201    | 12.8   | 5.2    | 145    | 2.37 | 28.7   | .3    | .7     | 1.4    | 10.3   | .33    | .86    | .29    | 68    | .09  | .029 | 6.7    | 21.0   | .20  | 142.8  | .063 | 2     | 1.07 | .013 | .08 | <.2   | .08    | 25     | .2     | .04    | 5.6    | .02  |
| 73128        | 1.30   | 20.73  | 47.35  | 75.5   | 168    | 26.2   | 11.0   | 410    | 2.54 | 74.5   | .9    | 6.1    | 4.4    | 29.5   | .23    | 1.12   | .27    | 60    | .43  | .084 | 12.5   | 31.5   | .58  | 189.5  | .076 | 2     | 1.19 | .017 | .07 | .4    | .07    | 25     | .6     | .05    | 3.9    | .01  |
| 73129        | 1.73   | 35.01  | 88.95  | 113.6  | 530    | 36.7   | 13.0   | 401    | 2.89 | 247.5  | 1.1   | 10.2   | 3.4    | 25.3   | .41    | 1.74   | .26    | 68    | .24  | .056 | 11.5   | 51.1   | .76  | 268.9  | .080 | 1     | 1.79 | .012 | .07 | .2    | .11    | 48     | .8     | .07    | 6.1    | .03  |
| 73130        | 1.77   | 28.73  | 69.40  | 80.7   | 186    | 36.3   | 9.4    | 228    | 3.04 | 99.4   | .6    | 3.7    | 2.9    | 13.7   | .20    | 1.24   | .22    | 74    | .10  | .032 | 8.8    | 48.8   | .61  | 112.5  | .096 | 1     | 1.88 | .011 | .07 | .2    | .11    | 38     | .5     | .07    | 6.7    | .03  |
| 73131        | 2.28   | 39.18  | 61.76  | 93.1   | 261    | 44.0   | 15.9   | 535    | 3.38 | 210.2  | .9    | 4.7    | 3.6    | 24.3   | .35    | 1.87   | .38    | 83    | .21  | .046 | 11.7   | 52.0   | .79  | 258.8  | .086 | 1     | 1.82 | .014 | .10 | <.2   | .14    | 42     | .8     | .08    | 6.7    | .02  |
| 73132        | 1.11   | 16.42  | 22.59  | 54.2   | 312    | 14.4   | 6.5    | 155    | 2.22 | 150.3  | .7    | 6.2    | 3.6    | 18.6   | .16    | .92    | .50    | 49    | .26  | .031 | 11.4   | 22.7   | .41  | 253.2  | .045 | 1     | 1.42 | .013 | .09 | <.2   | .10    | 28     | .5     | .07    | 5.1    | .02  |
| 73133        | .49    | 19.55  | 10.54  | 51.5   | 80     | 16.2   | 8.6    | 428    | 2.18 | 25.8   | .8    | 3.8    | 2.0    | 60.2   | .17    | .63    | .24    | 43    | 1.39 | .059 | 10.0   | 24.3   | .44  | 529.2  | .030 | 3     | 1.51 | .017 | .05 | .2    | .06    | 45     | .4     | .05    | 4.2    | .04  |
| 73134        | .69    | 17.56  | 9.63   | 57.2   | 104    | 15.6   | 9.4    | 491    | 2.28 | 6.5    | 1.4   | 1.9    | 3.5    | 48.7   | .24    | .45    | .20    | 46    | .97  | .044 | 12.1   | 21.0   | .36  | 765.6  | .033 | 2     | 1.77 | .016 | .08 | .2    | .06    | 52     | .3     | .03    | 5.1    | .01  |
| 73135        | 1.41   | 15.48  | 12.36  | 63.5   | 165    | 20.3   | 11.1   | 290    | 3.02 | 29.0   | .4    | .9     | 2.8    | 13.5   | .28    | .85    | .22    | 81    | .11  | .027 | 7.7    | 32.5   | .41  | 196.9  | .085 | 1     | 1.99 | .010 | .06 | .2    | .10    | 31     | .3     | .05    | 6.8    | <.01 |
| 73136        | .98    | 16.42  | 12.15  | 54.3   | 21     | 27.7   | 9.9    | 291    | 2.73 | 17.8   | .9    | 2.7    | 3.0    | 15.4   | .10    | .63    | .21    | 67    | .16  | .038 | 8.9    | 41.8   | .49  | 171.4  | .076 | 1     | 1.97 | .012 | .05 | .2    | .10    | 23     | .6     | .04    | 5.5    | .01  |
| RE 73136     | 1.02   | 16.59  | 12.26  | 52.6   | 21     | 27.3   | 9.8    | 293    | 2.64 | 18.4   | .9    | 2.7    | 2.9    | 16.3   | .11    | .64    | .21    | 68    | .17  | .038 | 9.8    | 41.7   | .50  | 171.8  | .084 | 1     | 2.00 | .012 | .05 | .2    | .10    | 28     | .6     | .03    | 5.7    | <.01 |
| 73137        | 1.03   | 25.66  | 16.42  | 56.7   | 68     | 42.7   | 7.6    | 219    | 2.21 | 26.6   | 1.1   | 2.2    | 1.1    | 19.9   | .16    | .67    | .23    | 59    | .18  | .033 | 14.4   | 62.6   | .56  | 194.4  | .081 | 1     | 1.51 | .014 | .12 | <.2   | .13    | 24     | .4     | .04    | 6.1    | .03  |
| 73138        | .89    | 13.74  | 34.70  | 58.4   | 220    | 16.1   | 6.4    | 257    | 2.06 | 50.5   | 1.2   | 3.2    | 2.4    | 21.0   | .12    | .60    | .27    | 49    | .21  | .052 | 14.8   | 31.1   | .46  | 172.7  | .053 | 1     | 1.51 | .012 | .06 | .2    | .12    | 58     | .6     | .05    | 5.3    | .03  |
| 73139        | 1.43   | 12.25  | 21.87  | 62.7   | 120    | 16.3   | 5.2    | 163    | 1.79 | 34.1   | .8    | 2.4    | 3.5    | 19.5   | .13    | .60    | .22    | 43    | .23  | .053 | 16.4   | 28.3   | .45  | 142.8  | .046 | 1     | 1.27 | .010 | .06 | .3    | .10    | 27     | .5     | .04    | 5.1    | .01  |
| 73140        | 1.75   | 16.28  | 28.20  | 71.7   | 319    | 18.1   | 8.2    | 323    | 2.05 | 35.3   | 2.0   | 4.0    | 2.9    | 28.2   | .23    | .59    | .22    | 46    | .27  | .064 | 16.7   | 37.9   | .50  | 292.1  | .046 | 1     | 1.48 | .013 | .06 | .2    | .14    | 66     | .9     | .05    | 5.5    | .05  |
| 73141        | 1.33   | 24.06  | 34.61  | 89.9   | 327    | 22.1   | 7.2    | 147    | 2.37 | 31.7   | 2.3   | 4.0    | 6.1    | 21.3   | .29    | .98    | .28    | 56    | .22  | .048 | 26.1   | 34.4   | .51  | 363.0  | .050 | 1     | 1.77 | .012 | .07 | <.2   | .14    | 60     | 1.1    | .05    | 5.6    | .02  |
| 73142        | 1.63   | 32.42  | 31.48  | 113.3  | 414    | 29.5   | 10.0   | 421    | 2.87 | 60.9   | 2.2   | 9.2    | 4.5    | 31.3   | .48    | 1.05   | .29    | 67    | .31  | .060 | 21.1   | 39.7   | .62  | 340.1  | .073 | 2     | 1.94 | .013 | .09 | .2    | .11    | 57     | .6     | .05    | 6.4    | .01  |
| 73143        | 1.58   | 32.52  | 27.91  | 92.9   | 297    | 26.0   | 10.0   | 414    | 2.69 | 43.0   | 2.2   | 5.6    | 3.3    | 29.1   | .32    | .86    | .30    | 63    | .27  | .051 | 23.0   | 33.3   | .53  | 365.3  | .060 | 1     | 1.77 | .012 | .08 | .2    | .12    | 39     | .4     | .05    | 6.1    | .02  |
| 73144        | .92    | 11.58  | 10.48  | 45.5   | 19     | 15.5   | 8.3    | 229    | 2.77 | 9.0    | .5    | 1.5    | 3.3    | 13.4   | .12    | .44    | .21    | 74    | .14  | .028 | 8.6    | 30.8   | .47  | 153.1  | .076 | 1     | 1.92 | .010 | .04 | .2    | .09    | 24     | .3     | .05    | 7.0    | <.01 |
| 73145        | 1.99   | 51.70  | 34.04  | 105.1  | 68     | 36.8   | 19.2   | 715    | 3.93 | 79.1   | 1.7   | 18.1   | 6.7    | 8.9    | .26    | 1.86   | .38    | 54    | .10  | .053 | 27.8   | 46.8   | .80  | 84.0   | .028 | 1     | 1.80 | .008 | .09 | <.2   | .09    | 19     | .8     | .06    | 6.4    | .02  |
| 73146        | 1.03   | 18.58  | 15.40  | 59.8   | 24     | 24.8   | 9.2    | 256    | 3.39 | 76.0   | .4    | 13.0   | 4.2    | 13.7   | .12    | .85    | .24    | 81    | .14  | .023 | 9.9    | 39.8   | .60  | 138.8  | .098 | 1     | 1.81 | .010 | .05 | .2    | .10    | 21     | .4     | .07    | 7.1    | <.01 |
| 73147        | 2.50   | 37.40  | 20.64  | 82.1   | 197    | 32.8   | 15.8   | 680    | 3.54 | 400.5  | 1.1   | 50.9   | 4.4    | 31.0   | .20    | 1.08   | .26    | 67    | .35  | .059 | 14.6   | 42.4   | .66  | 164.0  | .067 | 1     | 1.73 | .011 | .08 | .2    | .09    | 18     | .7     | .09    | 5.9    | .03  |
| 73148        | .85    | 36.98  | 74.01  | 182.0  | 338    | 32.2   | 15.4   | 547    | 3.26 | 994.6  | 1.4   | 124.5  | 3.9    | 29.3   | .64    | 1.22   | .32    | 65    | .70  | .046 | 13.5   | 42.9   | .89  | 194.2  | .092 | 1     | 1.80 | .014 | .13 | .2    | .15    | 26     | .5     | .05    | 5.1    | .01  |
| 73149        | .52    | 33.63  | 13.76  | 68.3   | 163    | 26.3   | 12.6   | 229    | 2.63 | 66.9   | .8    | 21.6   | 3.6    | 42.1   | .21    | .70    | .25    | 55    | 1.17 | .058 | 12.7   | 31.0   | .68  | 179.9  | .059 | 2     | 1.48 | .018 | .06 | .2    | .07    | 43     | .6     | .05    | 4.4    | .05  |
| 73150        | .97    | 113.33 | 27.02  | 183.1  | 227    | 13.6   | 8.1    | 538    | 2.85 | 12.6   | .6    | 3.8    | 2.1    | 54.2   | .42    | .39    | .17    | 36    | .90  | .082 | 6.2    | 15.3   | .44  | 191.3  | .039 | 3     | 1.04 | .040 | .19 | .3    | .08    | 45     | .6     | .12    | 3.4    | .32  |
| 73151        | .84    | 11.30  | 7.20   | 75.2   | 57     | 12.3   | 12.7   | 654    | 3.14 | 5.3    | .4    | 1.8    | 2.0    | 28.2   | .13    | .40    | .16    | 71    | .37  | .060 | 7.9    | 18.4   | .63  | 236.5  | .025 | 3     | 1.60 | .014 | .07 | <.2   | .07    | 27     | .4     | .05    | 6.5    | .03  |
| 73152        | .65    | 20.26  | 8.31   | 69.7   | 94     | 16.2   | 12.7   | 772    | 2.85 | 5.0    | 1.3   | 3.6    | 4.1    | 28.8   | .25    | .54    | .22    | 57    | .47  | .085 | 14.3   | 21.8   | .72  | 290.7  | .049 | 2     | 1.66 | .014 | .07 | .2    | .07    | 33     | .3     | .04    | 5.7    | .01  |
| 73153        | 1.31   | 11.92  | 10.82  | 56.3   | 75     | 14.2   | 9.1    | 386    | 3.05 | 8.8    | .4    | 1.5    | 3.1    | 10.3   | .15    | .65    | .23    | 84    | .10  | .021 | 8.1    | 30.5   | .38  | 173.4  | .076 | 1     | 1.86 | .010 | .04 | <.2   | .09    | 18     | .3     | .04    | 7.5    | <.01 |
| 73154        | 1.11   | 16.88  | 12.65  | 68.9   | 179    | 18.8   | 12.5   | 389    | 3.01 | 8.4    | .5    | 3.0    | 3.9    | 13.5   | .12    | .56    | .24    | 80    | .13  | .017 | 7.9    | 33.3   | .42  | 282.6  | .065 | 1     | 2.32 | .013 | .04 | <.2   | .12    | 19     | .3     | .03    | 7.3    | <.01 |
| STANDARD DS2 | 14.16  | 136.07 | 33.49  | 173.9  | 257    | 38.6   | 13.5   | 856    | 3.31 | 68.5   | 21.7  | 205.7  | 3.8    | 32.5   | 11.30  | 10.71  | 11.81  | 86    | .58  | .086 | 14.4   | 185.3  | .65  | 154.2  | .122 | 2     | 1.90 | .041 | .17 | 7.7   | 1.95   | 263    | 2.8    | 2.05   | 6.5    | .02  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P.05/12



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



604 253 1716 TO 6813920

AUG 24 '99 17:13 FR ACME LABS

| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % ppm | B % | Al % | Na % | K % ppm | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|-----|------|------|---------|-------|--------|--------|--------|--------|--------|------|
| 73155        | 1.11   | 16.42  | 11.73  | 49.8   | 25     | 38.9   | 12.2   | 320    | 2.98 | 6.2    | 6     | 10.0   | 3.6    | 12.6   | .12    | .45    | .27    | .75   | .18  | .019 | 11.9   | 62.7   | .74  | 224.7  | .031     | 3   | 2.04 | .010 | .05     | <.2   | .08    | 17     | .3     | .03    | 6.5    | <.01 |
| 73156        | .48    | 36.20  | 10.87  | 58.4   | 104    | 29.7   | 12.3   | 479    | 3.00 | 17.3   | 5     | 5.6    | 3.5    | 30.9   | .11    | .75    | .23    | .72   | .62  | .054 | 13.5   | 36.7   | .64  | 344.6  | .082     | 2   | 1.83 | .030 | .05     | .2    | .07    | 46     | .3     | .03    | 5.0    | .02  |
| 73157        | .66    | 22.22  | 9.98   | 55.5   | 95     | 24.5   | 11.6   | 440    | 2.71 | 65.2   | 8     | 3.2    | 3.6    | 29.8   | .12    | .56    | .20    | .65   | .63  | .046 | 13.3   | 36.7   | .63  | 323.5  | .080     | 2   | 2.06 | .020 | .05     | .2    | .11    | 30     | .5     | .05    | 5.6    | .01  |
| 73158        | .77    | 23.83  | 19.50  | 73.1   | 171    | 28.6   | 10.9   | 471    | 2.34 | 42.0   | 1.1   | 7.4    | 2.0    | 43.1   | .44    | .59    | .17    | .55   | 1.28 | .063 | 12.2   | 65.5   | .60  | 315.6  | .049     | 2   | 1.49 | .021 | .05     | .2    | .07    | 40     | .8     | .03    | 4.3    | .05  |
| 73159        | 1.47   | 30.20  | 54.27  | 86.3   | 351    | 28.7   | 13.3   | 832    | 2.74 | 56.2   | 1.6   | 9.7    | 2.9    | 44.2   | .59    | .70    | .21    | .61   | 1.09 | .063 | 19.2   | 45.6   | .55  | 451.1  | .049     | 2   | 1.72 | .010 | .06     | <.2   | .10    | 48     | .6     | .06    | 4.9    | .05  |
| 73160        | 2.73   | 38.01  | 89.94  | 128.5  | 1148   | 40.4   | 13.6   | 991    | 2.90 | 124.0  | 4.9   | 18.3   | 5.2    | 70.3   | 1.20   | 1.01   | .24    | .66   | .82  | .087 | 36.7   | 73.6   | .75  | 698.9  | .057     | 2   | 2.09 | .017 | .12     | .2    | .12    | 77     | 2.5    | .06    | 5.9    | .08  |
| 73161        | 1.31   | 13.38  | 12.80  | 44.0   | 153    | 14.9   | 10.7   | 1141   | 2.23 | 16.0   | 4     | 2.1    | 1.7    | 16.6   | .45    | .49    | .20    | .72   | .17  | .025 | 8.3    | 29.3   | .38  | 423.5  | .074     | 1   | 1.58 | .015 | .05     | <.2   | .08    | 28     | .4     | .03    | 6.2    | .01  |
| 73162        | 1.80   | 20.56  | 18.91  | 60.6   | 49     | 22.4   | 10.0   | 299    | 3.02 | 42.0   | .7    | 3.6    | 3.0    | 16.1   | .34    | .87    | .22    | .78   | .16  | .034 | 9.2    | 39.8   | .50  | 233.5  | .090     | 1   | 2.25 | .011 | .05     | .2    | .10    | 30     | .6     | .04    | 6.5    | .02  |
| 73163        | 1.73   | 25.94  | 21.69  | 74.3   | 110    | 21.8   | 10.0   | 346    | 2.51 | 69.9   | .8    | 2.1    | 2.1    | 18.1   | .43    | 1.05   | .44    | .71   | .17  | .040 | 10.0   | 37.5   | .52  | 176.6  | .093     | 1   | 1.77 | .015 | .07     | .2    | .11    | 28     | .6     | .05    | 6.3    | .03  |
| 73164        | 2.02   | 31.58  | 34.88  | 97.2   | 73     | 35.5   | 10.1   | 313    | 2.95 | 168.2  | .8    | 4.3    | 5.5    | 15.9   | .39    | 1.56   | .25    | .67   | .17  | .039 | 14.1   | 69.6   | .73  | 163.6  | .086     | 2   | 1.96 | .012 | .08     | .2    | .10    | 18     | .7     | .07    | 5.5    | .01  |
| 73165        | 1.53   | 29.88  | 54.39  | 113.3  | 147    | 37.2   | 18.2   | 661    | 3.06 | 162.0  | 1.0   | 6.2    | 6.6    | 20.8   | .44    | 1.06   | .19    | .62   | .24  | .058 | 15.2   | 78.4   | .80  | 240.2  | .102     | 1   | 1.96 | .013 | .13     | .2    | .15    | 25     | .7     | .05    | 5.2    | .02  |
| 73166        | 2.66   | 25.94  | 43.59  | 93.6   | 411    | 24.2   | 7.0    | 263    | 2.52 | 180.8  | .8    | 3.9    | 2.8    | 18.6   | .53    | 1.22   | .25    | .70   | .13  | .035 | 12.0   | 43.1   | .41  | 192.6  | .079     | 2   | 1.60 | .012 | .10     | .2    | .14    | 32     | .7     | .06    | 6.5    | .03  |
| 73167        | 2.79   | 56.67  | 69.13  | 133.8  | 301    | 54.3   | 10.7   | 343    | 3.19 | 272.9  | 1.5   | 5.5    | 7.9    | 20.7   | .62    | 2.34   | .25    | .69   | .21  | .057 | 21.4   | 129.1  | .82  | 224.3  | .068     | 1   | 1.82 | .012 | .10     | .2    | .15    | 23     | .9     | .09    | 6.2    | .04  |
| 73168        | 1.05   | 27.40  | 44.17  | 133.2  | 312    | 23.3   | 14.1   | 789    | 3.07 | 460.1  | 1.7   | 68.5   | 5.4    | 42.1   | .62    | .99    | .23    | .54   | .68  | .088 | 17.5   | 31.0   | .73  | 395.6  | .057     | 2   | 1.73 | .017 | .11     | .2    | .11    | 34     | .6     | .06    | 5.2    | .06  |
| 73169        | .63    | 27.04  | 10.85  | 130.6  | 178    | 21.6   | 10.1   | 523    | 2.57 | 48.5   | .7    | 4.6    | 3.1    | 57.5   | .42    | .57    | .44    | .55   | 1.11 | .063 | 11.5   | 26.0   | .56  | 311.8  | .060     | 2   | 1.56 | .023 | .06     | <.2   | .08    | 38     | .6     | .04    | 4.5    | .02  |
| 73170        | .70    | 24.53  | 8.84   | 148.8  | 96     | 16.9   | 12.7   | 970    | 2.99 | 6.7    | 1.0   | 4.6    | 3.8    | 62.6   | .39    | .49    | .20    | .69   | .79  | .066 | 14.7   | 27.9   | .65  | 558.6  | .056     | 2   | 2.08 | .019 | .09     | .2    | .09    | 34     | .3     | .04    | 6.7    | .02  |
| 73171        | .85    | 31.20  | 27.88  | 99.3   | 211    | 32.7   | 11.1   | 573    | 2.35 | 62.1   | 1.6   | 9.2    | 3.8    | 58.0   | .48    | 1.11   | .19    | .54   | 1.20 | .068 | 16.9   | 49.5   | .64  | 503.0  | .047     | 2   | 1.57 | .018 | .07     | <.2   | .10    | 44     | 1.2    | .06    | 4.5    | .07  |
| 73172        | 2.00   | 24.40  | 37.66  | 90.0   | 995    | 29.1   | 23.0   | 1008   | 2.33 | 82.1   | 1.8   | 48.6   | 1.7    | 39.4   | .43    | .76    | .23    | .54   | .44  | .075 | 19.9   | 50.0   | .63  | 793.7  | .037     | 2   | 1.68 | .014 | .08     | <.2   | .13    | 71     | .6     | .04    | 5.3    | .07  |
| 73173        | 1.63   | 37.23  | 30.25  | 121.9  | 352    | 38.2   | 16.1   | 852    | 3.71 | 193.1  | 1.2   | 30.7   | 5.6    | 39.1   | .35    | 1.29   | .21    | .79   | .62  | .127 | 20.7   | 71.3   | 1.17 | 473.5  | .097     | 1   | 2.22 | .013 | .21     | <.2   | .17    | 24     | .3     | .05    | 6.6    | .01  |
| 73174        | .95    | 45.44  | 11.82  | 118.8  | 58     | 70.7   | 34.3   | 719    | 4.50 | 12.3   | 1.6   | 3.7    | 4.9    | 54.1   | .10    | .29    | .09    | 134   | 1.46 | .490 | 27.3   | 208.3  | 2.62 | 377.2  | .188     | 1   | 2.90 | .006 | 1.14    | <.2   | .59    | 10     | .1     | .03    | 8.2    | <.01 |
| RE 73174     | 1.00   | 47.55  | 12.30  | 122.9  | 60     | 73.0   | 36.1   | 754    | 4.70 | 13.0   | 1.7   | 4.1    | 5.3    | 59.7   | .09    | .30    | .09    | 140   | 1.53 | .502 | 28.7   | 220.8  | 2.78 | 396.9  | .195     | 1   | 3.04 | .007 | 1.13    | .2    | .62    | 9      | .2     | .05    | 8.6    | <.01 |
| 73175        | 1.33   | 26.01  | 20.74  | 74.7   | 225    | 24.6   | 10.5   | 398    | 2.81 | 48.3   | 1.7   | 41.1   | 3.5    | 22.6   | .23    | .75    | .21    | .63   | .28  | .055 | 24.6   | 39.3   | .59  | 357.1  | .065     | 1   | 1.84 | .012 | .09     | <.2   | .11    | 24     | .4     | .03    | 5.7    | .01  |
| 73176        | 2.48   | 37.29  | 31.53  | 107.0  | 465    | 32.9   | 13.1   | 801    | 2.91 | 195.9  | 2.2   | 11.3   | 2.9    | 36.9   | .42    | 1.64   | .29    | .55   | .50  | .111 | 27.3   | 46.2   | .57  | 590.6  | .045     | 2   | 1.72 | .013 | .14     | .2    | .12    | 43     | .7     | .06    | 5.2    | .04  |
| 73177        | 2.76   | 46.34  | 22.38  | 139.3  | 282    | 46.9   | 20.3   | 672    | 3.73 | 77.7   | 1.7   | 6.7    | 7.5    | 28.1   | .23    | 1.40   | .19    | .60   | .47  | .074 | 24.0   | 60.5   | 1.09 | 202.7  | .133     | 1   | 2.17 | .009 | .55     | <.2   | .32    | 26     | .5     | .05    | 6.1    | .02  |
| 73178        | 2.45   | 35.89  | 102.77 | 96.0   | 167    | 28.6   | 13.1   | 746    | 3.04 | 113.6  | 1.5   | 5.0    | 6.8    | 21.6   | .27    | 1.51   | .35    | .58   | .27  | .082 | 19.8   | 33.3   | .66  | 154.0  | .083     | 1   | 1.62 | .010 | .17     | <.2   | .15    | 14     | .8     | .06    | 5.0    | .03  |
| 73179        | 1.28   | 28.81  | 88.47  | 82.1   | 165    | 29.5   | 12.3   | 526    | 2.84 | 86.8   | 1.1   | 6.9    | 4.7    | 19.7   | .20    | 1.18   | .25    | .66   | .24  | .032 | 14.8   | 37.3   | .68  | 238.0  | .083     | 1   | 2.03 | .011 | .08     | <.2   | .11    | 42     | .6     | .04    | 5.4    | .01  |
| 73180        | 2.73   | 34.10  | 51.75  | 95.7   | 887    | 35.3   | 16.8   | 1434   | 2.84 | 78.8   | 3.6   | 9.6    | 4.2    | 49.9   | 1.11   | .70    | .25    | .70   | .51  | .068 | 58.1   | 55.8   | .68  | 712.3  | .057     | 2   | 2.01 | .018 | .11     | <.2   | .14    | 84     | .7     | .05    | 5.8    | .06  |
| 73181        | 2.63   | 28.26  | 14.54  | 97.3   | 279    | 31.8   | 10.8   | 533    | 2.92 | 45.2   | 1.3   | 5.0    | 2.3    | 21.9   | .78    | .88    | .26    | .95   | .19  | .051 | 11.9   | 39.6   | .58  | 591.7  | .068     | 1   | 1.61 | .011 | .09     | .2    | .10    | 23     | .8     | .06    | 7.0    | .03  |
| 73182        | .88    | 13.01  | 17.62  | 54.7   | 363    | 16.6   | 9.5    | 434    | 2.49 | 15.0   | .6    | 1.5    | 4.0    | 17.3   | .34    | .49    | .24    | .68   | .17  | .021 | 11.2   | 32.3   | .45  | 192.3  | .084     | 1   | 1.60 | .014 | .08     | <.2   | .09    | 12     | .2     | .03    | 6.0    | .02  |
| 73183        | .95    | 13.51  | 16.72  | 97.1   | 123    | 22.0   | 12.3   | 507    | 3.16 | 12.8   | .4    | 1.6    | 6.2    | 16.2   | .29    | .66    | .24    | .79   | .16  | .041 | 11.0   | 38.0   | .53  | 246.0  | .056     | <1  | 2.39 | .011 | .08     | <.2   | .14    | 30     | .3     | .04    | 7.7    | .01  |
| 73184        | .95    | 14.99  | 10.65  | 48.6   | 537    | 18.4   | 8.9    | 310    | 2.57 | 20.5   | .6    | 1.8    | 3.4    | 17.2   | .20    | .54    | .19    | .74   | .16  | .027 | 9.4    | 34.4   | .52  | 204.0  | .092     | 1   | 1.91 | .013 | .04     | .2    | .11    | 28     | .2     | .03    | 6.2    | .01  |
| 73185        | .92    | 25.32  | 18.13  | 88.4   | 187    | 32.1   | 13.4   | 453    | 3.34 | 89.5   | 1.1   | 5.6    | 9.0    | 20.4   | .22    | .76    | .18    | .67   | .21  | .043 | 22.7   | 74.9   | 1.13 | 211.6  | .103     | 1   | 2.30 | .014 | .12     | <.2   | .15    | 26     | .4     | .04    | 6.8    | .01  |
| 73186        | .94    | 24.91  | 22.86  | 73.7   | 153    | 26.3   | 10.5   | 422    | 2.70 | 88.6   | 1.1   | 2.8    | 6.6    | 19.8   | .20    | .90    | .20    | .62   | .20  | .036 | 17.2   | 42.0   | .62  | 242.8  | .083     | 1   | 1.86 | .012 | .08     | .2    | .10    | 23     | .4     | .04    | 5.5    | .02  |
| 73187        | .75    | 18.20  | 23.11  | 62.6   | 147    | 20.5   | 8.7    | 347    | 2.43 | 54.8   | .9    | 4.5    | 5.0    | 28.0   | .25    | .59    | .17    | .58   | .34  | .042 | 13.2   | 33.4   | .66  | 249.0  | .083     | 1   | 1.77 | .016 | .06     | .2    | .08    | 27     | .3     | .04    | 5.0    | .01  |
| STANDARD DS2 | 14.21  | 134.48 | 32.59  | 173.7  | 247    | 37.8   | 12.9   | 852    | 3.31 | 65.8   | 21.0  | 213.2  | 3.6    | 30.2   | 11.77  | 9.91   | 11.52  | 84    | .56  | .085 | 13.9   | 185.1  | .65  | 154.9  | .120     | 2   | 1.91 | .042 | .17     | 7.5   | 1.98   | 256    | 2.6    | 1.98   | 6.3    | .02  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P. 06/12

604 253 1716 TO 6813920

AUG 24 '99 17:14 FR ACME LABS



ACME ANALYTICAL

Phelps Dodge Corp. PROJECT 242 FILE # 9902946



ACME ANALYTICAL

| SAMPLE#      | Mo    | Cu     | Pb    | Zn    | Ag  | Ni   | Co   | Mn   | Fe   | As    | U    | Au    | Th  | Sr    | Cd    | Sb    | Bi    | V   | Ca   | P    | La   | Cr    | Mg   | Ba     | Ti   | B   | Al   | Na   | K   | W   | Tl   | Hg  | Se  | Te   | Ga  | S    |
|--------------|-------|--------|-------|-------|-----|------|------|------|------|-------|------|-------|-----|-------|-------|-------|-------|-----|------|------|------|-------|------|--------|------|-----|------|------|-----|-----|------|-----|-----|------|-----|------|
|              | ppm   | ppm    | ppm   | ppm   | ppb | ppm  | ppm  | ppm  | %    | ppm   | ppm  | ppb   | ppm | ppm   | ppm   | ppm   | ppm   | ppm | %    | %    | ppm  | ppm   | %    | ppm    | %    | ppm | %    | %    | ppm | ppm | ppb  | ppm | ppm | ppm  | ppm | %    |
| 73188        | 1.42  | 35.86  | 48.67 | 98.5  | 840 | 31.4 | 8.9  | 314  | 3.11 | 51.4  | 2.8  | 7.1   | 9.9 | 37.9  | .42   | .92   | .45   | 77  | .34  | .040 | 46.4 | 45.7  | .65  | 289.5  | .054 | 1   | 2.24 | .012 | .11 | .2  | .15  | 56  | .4  | .06  | 8.7 | .03  |
| 73189        | 1.23  | 17.89  | 22.63 | 63.9  | 129 | 18.0 | 5.5  | 171  | 2.43 | 39.6  | .7   | 2.7   | 6.2 | 16.2  | .14   | .86   | .30   | 73  | .17  | .026 | 16.3 | 28.3  | .40  | 145.4  | .058 | 1   | 1.41 | .007 | .08 | .2  | .09  | 14  | .4  | .04  | 6.8 | .01  |
| 73190        | 1.45  | 28.72  | 15.18 | 77.8  | 216 | 29.1 | 8.7  | 275  | 3.00 | 21.2  | .7   | 4.8   | 4.1 | 14.5  | .31   | .88   | .23   | 81  | .14  | .025 | 8.5  | 40.8  | .53  | 147.0  | .058 | 1   | 2.10 | .009 | .07 | .2  | .08  | 34  | .5  | .06  | 6.8 | .01  |
| 73191        | 1.19  | 14.57  | 13.57 | 70.4  | 429 | 20.0 | 8.6  | 404  | 2.83 | 29.2  | .5   | 1.8   | 3.5 | 13.4  | .37   | .72   | .23   | 74  | .12  | .041 | 9.0  | 30.5  | .45  | 173.9  | .052 | <1  | 1.87 | .007 | .07 | .2  | .08  | 27  | .3  | .05  | 6.9 | .01  |
| 73192        | 1.23  | 16.70  | 13.94 | 67.1  | 207 | 22.2 | 9.2  | 269  | 2.81 | 45.9  | .6   | 3.3   | 3.4 | 20.9  | .17   | .84   | .22   | 79  | .19  | .064 | 10.9 | 37.6  | .52  | 268.7  | .046 | 1   | 1.86 | .010 | .06 | <.2 | .09  | 15  | .4  | .05  | 6.7 | .01  |
| 73193        | 1.59  | 24.17  | 25.20 | 88.1  | 316 | 26.4 | 8.2  | 335  | 2.82 | 45.4  | 1.2  | 1.9   | 3.2 | 22.2  | .44   | .84   | .29   | 82  | .19  | .064 | 19.3 | 34.3  | .52  | 234.7  | .046 | 1   | 1.78 | .009 | .08 | .2  | .10  | 22  | .7  | .06  | 6.7 | .03  |
| 73194        | 1.14  | 14.42  | 37.44 | 83.3  | 184 | 18.7 | 13.2 | 1077 | 2.50 | 12.1  | 1.7  | .8    | 4.5 | 24.1  | .46   | .58   | .59   | 64  | .20  | .028 | 15.0 | 31.7  | .40  | 212.1  | .044 | 1   | 1.89 | .011 | .08 | .3  | .12  | 31  | .3  | .03  | 8.0 | .02  |
| 73195        | .94   | 34.48  | 21.04 | 78.6  | 205 | 37.4 | 13.2 | 427  | 3.00 | 42.6  | .8   | 2.6   | 6.0 | 21.4  | .16   | .88   | .35   | 66  | .21  | .026 | 12.3 | 43.5  | .82  | 167.0  | .078 | 1   | 1.86 | .010 | .11 | <.2 | .13  | 15  | .5  | .05  | 6.0 | <.01 |
| 73196        | 1.00  | 13.72  | 22.59 | 74.5  | 166 | 20.2 | 10.0 | 393  | 2.87 | 16.7  | .4   | 4.3   | 3.5 | 15.3  | .33   | .62   | .47   | 70  | .15  | .050 | 11.4 | 36.7  | .48  | 174.2  | .051 | 1   | 1.83 | .008 | .10 | .2  | .11  | 22  | .2  | .04  | 7.4 | <.01 |
| 73197        | .65   | 25.48  | 20.60 | 60.9  | 141 | 29.9 | 10.5 | 284  | 2.70 | 39.3  | .9   | 2.7   | 5.7 | 16.4  | .18   | .66   | .22   | 57  | .15  | .029 | 29.1 | 34.1  | .59  | 134.7  | .064 | 1   | 1.82 | .010 | .09 | .2  | .13  | 21  | .1  | .03  | 6.0 | .01  |
| 74749        | .77   | 16.30  | 9.98  | 42.6  | 48  | 18.1 | 11.0 | 410  | 3.08 | 7.5   | .6   | 3.5   | 2.8 | 63.9  | .11   | .79   | .18   | 67  | .55  | .015 | 8.8  | 30.9  | .52  | 632.9  | .050 | 3   | 1.70 | .018 | .24 | <.2 | .07  | 20  | .4  | .04  | 5.4 | .01  |
| 74750        | 1.18  | 38.04  | 13.10 | 50.7  | 92  | 21.6 | 17.6 | 563  | 4.10 | 12.0  | 1.0  | 2.0   | 2.4 | 109.1 | .12   | 1.04  | .21   | 93  | .94  | .029 | 9.5  | 27.7  | .79  | 702.8  | .035 | 2   | 1.70 | .015 | .12 | <.2 | .07  | 34  | .6  | .05  | 5.6 | .02  |
| 74751        | 1.22  | 25.21  | 20.44 | 60.3  | 91  | 22.6 | 13.8 | 429  | 2.97 | 128.1 | 1.0  | 1.6   | 7.2 | 58.4  | .14   | 1.93  | .46   | 51  | .37  | .021 | 20.8 | 27.8  | .46  | 359.8  | .037 | 2   | 1.43 | .015 | .09 | <.2 | .09  | 20  | .7  | .06  | 4.5 | .01  |
| 74752        | .98   | 30.75  | 12.60 | 65.5  | 123 | 22.4 | 11.4 | 456  | 3.02 | 33.9  | 1.8  | 1.3   | 5.8 | 81.6  | .15   | .87   | .25   | 48  | .65  | .055 | 22.4 | 26.5  | .46  | 683.5  | .030 | 3   | 1.41 | .013 | .09 | .2  | .08  | 43  | .6  | .04  | 4.7 | .03  |
| RE 74752     | .95   | 31.53  | 13.04 | 65.3  | 122 | 22.4 | 11.5 | 461  | 3.05 | 34.4  | 1.8  | 1.3   | 5.9 | 80.9  | .18   | .90   | .24   | 49  | .66  | .055 | 22.9 | 26.7  | .46  | 694.7  | .031 | 3   | 1.44 | .014 | .10 | .2  | .08  | 47  | .6  | .04  | 4.7 | .03  |
| 74753        | .37   | 12.43  | 9.46  | 42.7  | 104 | 8.4  | 5.0  | 160  | 1.59 | 9.7   | .6   | 2.3   | .8  | 21.3  | .11   | .27   | .15   | 29  | .29  | .055 | 6.5  | 16.1  | .32  | 314.9  | .036 | 2   | 1.05 | .012 | .05 | <.2 | .07  | 57  | .5  | .03  | 4.4 | .05  |
| 74754        | 1.01  | 15.31  | 11.33 | 88.3  | 84  | 15.8 | 11.8 | 674  | 2.50 | 6.4   | .5   | 4.5   | 1.5 | 39.1  | .18   | .40   | .19   | 59  | .56  | .057 | 6.3  | 34.2  | .56  | 483.5  | .039 | 3   | 1.24 | .014 | .10 | .2  | .07  | 52  | .5  | .03  | 4.8 | .05  |
| 74755        | .78   | 20.82  | 14.58 | 82.0  | 86  | 19.4 | 10.0 | 413  | 2.49 | 26.0  | 1.3  | 2.3   | 3.2 | 52.3  | .30   | .82   | .20   | 49  | .62  | .063 | 11.4 | 26.6  | .51  | 650.7  | .043 | 3   | 1.31 | .017 | .10 | .2  | .07  | 45  | .8  | .04  | 4.3 | .03  |
| 74756        | 1.26  | 22.24  | 35.66 | 124.1 | 110 | 21.1 | 16.8 | 753  | 3.22 | 26.4  | 1.2  | 1.7   | 3.2 | 102.9 | .24   | .64   | .21   | 69  | .85  | .049 | 9.2  | 73.4  | 1.24 | 444.6  | .076 | 3   | 1.81 | .017 | .09 | <.2 | .08  | 44  | .7  | .04  | 6.5 | .04  |
| 74757        | .62   | 37.89  | 11.99 | 74.2  | 144 | 18.7 | 15.1 | 1273 | 2.78 | 4.3   | 1.0  | 1.8   | 1.1 | 159.5 | .36   | .61   | .18   | 59  | 1.95 | .078 | 9.7  | 27.6  | .62  | 1258.2 | .035 | 6   | 1.47 | .018 | .10 | <.2 | .09  | 96  | .7  | .06  | 4.3 | .11  |
| 74763        | 1.49  | 16.03  | 49.64 | 62.7  | 344 | 21.4 | 5.9  | 174  | 1.87 | 79.7  | .6   | 2.9   | 1.7 | 20.5  | .13   | .95   | .29   | 42  | .20  | .041 | 9.0  | 32.6  | .52  | 160.8  | .063 | 1   | 1.30 | .010 | .06 | .2  | .11  | 50  | .7  | .04  | 5.4 | .04  |
| 74764        | 2.54  | 25.60  | 67.76 | 68.3  | 347 | 26.1 | 11.6 | 716  | 2.17 | 90.0  | 1.1  | 3.2   | 1.7 | 77.1  | .27   | 1.42  | .34   | 48  | .72  | .070 | 8.3  | 34.1  | .50  | 531.6  | .047 | 1   | 1.37 | .015 | .05 | .2  | .09  | 71  | 1.2 | .06  | 4.8 | .10  |
| 74765        | 1.00  | 17.49  | 32.92 | 42.8  | 100 | 13.7 | 4.8  | 157  | 1.63 | 37.3  | 1.1  | 1.5   | .2  | 14.8  | .27   | .49   | .17   | 36  | .11  | .045 | 9.9  | 24.8  | .30  | 119.5  | .040 | 1   | 1.02 | .012 | .10 | <.2 | .10  | 33  | .7  | .05  | 4.5 | .03  |
| 74766        | 1.27  | 22.58  | 18.01 | 64.5  | 106 | 20.8 | 8.1  | 243  | 2.51 | 46.7  | 1.1  | 2.4   | 3.9 | 17.6  | .26   | .74   | .22   | 62  | .18  | .038 | 11.7 | 37.2  | .51  | 203.5  | .093 | 1   | 1.75 | .014 | .08 | .2  | .11  | 29  | .4  | .05  | 6.2 | <.01 |
| 74767        | 1.64  | 39.38  | 20.98 | 76.6  | 422 | 28.9 | 9.5  | 275  | 2.69 | 80.9  | 2.0  | 4.4   | 1.8 | 29.8  | .46   | .89   | .26   | 59  | .31  | .058 | 14.1 | 46.6  | .56  | 343.8  | .063 | 1   | 1.96 | .013 | .09 | .2  | .11  | 59  | .7  | .07  | 6.7 | .02  |
| 74768        | 1.48  | 30.71  | 23.01 | 89.9  | 596 | 29.9 | 11.3 | 368  | 2.82 | 157.8 | 3.1  | 9.6   | 8.2 | 36.5  | .40   | 1.36  | .28   | 59  | .38  | .051 | 27.1 | 45.5  | .59  | 406.3  | .066 | 1   | 1.91 | .014 | .08 | .2  | .12  | 41  | .5  | .05  | 6.0 | .02  |
| 74769        | .66   | 12.48  | 10.18 | 59.8  | 86  | 13.2 | 8.5  | 460  | 2.04 | 17.2  | .8   | 4.5   | 2.2 | 46.0  | .27   | .44   | .19   | 42  | .72  | .045 | 8.9  | 21.8  | .46  | 383.3  | .031 | 2   | 1.42 | .012 | .07 | .2  | .07  | 45  | .5  | .03  | 4.7 | .04  |
| 74770        | .66   | 12.36  | 7.92  | 49.2  | 150 | 12.1 | 8.3  | 516  | 2.03 | 6.6   | .9   | 2.7   | 2.3 | 53.4  | .22   | .42   | .19   | 41  | .84  | .053 | 10.2 | 20.1  | .39  | 604.7  | .025 | 2   | 1.49 | .014 | .06 | .2  | .08  | 63  | .5  | .03  | 4.9 | .05  |
| 74771        | .73   | 17.28  | 7.21  | 46.0  | 145 | 13.6 | 8.9  | 856  | 2.07 | 5.2   | 1.1  | 1.6   | 2.6 | 91.1  | .25   | .52   | .19   | 38  | 1.33 | .069 | 10.4 | 21.4  | .36  | 796.4  | .031 | 3   | 1.57 | .014 | .07 | .2  | .06  | 56  | .5  | .04  | 4.8 | .06  |
| 74772        | 1.76  | 37.26  | 73.90 | 55.9  | 542 | 26.8 | 5.4  | 180  | 2.83 | 68.7  | 2.3  | 6.1   | 1.2 | 31.4  | .38   | .92   | .45   | 46  | .28  | .035 | 17.1 | 31.5  | .48  | 198.2  | .059 | 1   | 1.41 | .012 | .10 | <.2 | .15  | 47  | .7  | .07  | 6.2 | .04  |
| 74773        | 2.18  | 41.31  | 88.93 | 70.7  | 440 | 26.5 | 9.2  | 354  | 2.63 | 194.5 | 1.7  | 4.0   | 3.4 | 24.0  | .22   | 2.24  | .50   | 62  | .18  | .040 | 12.3 | 35.0  | .60  | 178.1  | .071 | 1   | 1.61 | .010 | .08 | .2  | .16  | 31  | .8  | .07  | 7.1 | .04  |
| 74774        | 1.56  | 25.73  | 52.10 | 60.7  | 55  | 23.5 | 8.3  | 231  | 2.98 | 60.4  | 1.0  | 3.2   | 3.3 | 22.6  | .15   | 1.28  | .32   | 72  | .16  | .030 | 12.6 | 37.3  | .57  | 170.1  | .086 | 1   | 1.83 | .011 | .07 | .2  | .13  | 27  | .6  | .06  | 7.2 | .02  |
| 74775        | 1.70  | 35.87  | 52.33 | 77.3  | 581 | 27.0 | 8.6  | 285  | 2.44 | 91.2  | 2.6  | 11.0  | 1.1 | 35.3  | .63   | 1.07  | .27   | 53  | .28  | .068 | 14.9 | 34.8  | .42  | 377.8  | .041 | 1   | 1.64 | .015 | .06 | .2  | .11  | 57  | 1.0 | .08  | 5.8 | .06  |
| 74776        | 1.41  | 18.83  | 42.68 | 90.0  | 465 | 23.5 | 9.1  | 333  | 2.10 | 79.0  | 1.1  | 8.3   | 2.7 | 30.5  | .25   | .99   | .31   | 48  | .38  | .084 | 17.1 | 50.4  | .61  | 230.8  | .046 | 1   | 1.38 | .013 | .08 | .2  | .12  | 40  | .6  | .03  | 5.6 | .04  |
| STANDARD DS2 | 14.24 | 134.71 | 33.25 | 173.1 | 272 | 38.8 | 13.7 | 861  | 3.29 | 63.8  | 22.5 | 206.5 | 3.8 | 32.7  | 11.62 | 10.19 | 11.74 | 84  | .56  | .086 | 14.0 | 176.9 | .62  | 148.3  | .115 | 3   | 1.81 | .037 | .17 | 7.8 | 2.00 | 262 | 2.8 | 2.07 | 6.7 | .02  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P. 07/12



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



604 253 1716 TO 6813920

AUG 24 '99 17:15 FR ACME LABS

| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % ppm | B % ppm | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|---------|------|------|-----|-------|--------|--------|--------|--------|--------|------|
| 74777        | 1.42   | 17.46  | 57.48  | 74.5   | 384    | 20.5   | 7.0    | 178    | 2.28 | 83.3   | 1.2   | 11.2   | 3.1    | 27.2   | .20    | .92    | .32    | 60    | .34  | .055 | 15.7   | 33.5   | .58  | 291.5  | .036     | 1       | 1.64 | .013 | .05 | .3    | .12    | 65     | .7     | .05    | 5.5    | .04  |
| 74778        | 2.67   | 39.32  | 114.81 | 121.3  | 1633   | 39.2   | 12.8   | 605    | 3.36 | 132.4  | 3.6   | 10.8   | 2.8    | 38.9   | .39    | 1.68   | .39    | 71    | .38  | .104 | 27.9   | 49.6   | .60  | 464.7  | .038     | 1       | 2.48 | .015 | .10 | .2    | .16    | 148    | 1.1    | .06    | 7.1    | .09  |
| 74779        | 1.61   | 30.95  | 62.27  | 70.7   | 881    | 21.7   | 6.0    | 209    | 2.24 | 58.4   | 2.4   | 3.6    | 1.1    | 24.9   | .30    | .90    | .26    | 46    | .22  | .062 | 26.1   | 29.1   | .42  | 228.8  | .035     | 1       | 1.55 | .017 | .10 | <.2   | .12    | 71     | .5     | .04    | 5.1    | .06  |
| 74780        | 1.38   | 29.59  | 66.79  | 104.0  | 116    | 31.0   | 11.9   | 451    | 2.80 | 59.3   | 1.7   | 5.1    | 6.5    | 21.0   | .26    | 1.11   | .42    | 59    | .24  | .065 | 18.8   | 40.8   | .72  | 172.5  | .082     | 1       | 1.56 | .010 | .12 | .2    | .13    | 20     | .7     | .04    | 4.9    | .01  |
| 74781        | .92    | 19.92  | 12.75  | 99.8   | 105    | 16.7   | 9.6    | 515    | 3.03 | 6.5    | 1.3   | 2.7    | 4.9    | 51.3   | .24    | .55    | .23    | 59    | .62  | .058 | 14.1   | 25.6   | .64  | 490.0  | .065     | 2       | 1.90 | .015 | .09 | .2    | .08    | 45     | .5     | .04    | 6.5    | .02  |
| 74782        | 1.42   | 25.96  | 13.96  | 81.8   | 140    | 25.7   | 12.3   | 688    | 2.69 | 143.1  | 1.2   | 9.2    | 3.3    | 39.6   | .28    | .74    | .20    | 53    | .77  | .059 | 15.2   | 29.3   | .59  | 313.8  | .043     | 2       | 1.59 | .019 | .06 | .3    | .08    | 38     | .6     | .04    | 4.7    | .03  |
| 74783        | 1.28   | 28.39  | 17.98  | 90.6   | 158    | 25.3   | 12.9   | 592    | 2.57 | 76.3   | 1.2   | 7.8    | 2.9    | 46.2   | .42    | .87    | .21    | 52    | 1.06 | .054 | 12.3   | 31.7   | .56  | 293.1  | .046     | 1       | 1.58 | .017 | .05 | .2    | .07    | 44     | .8     | .06    | 4.7    | .04  |
| 74784        | 1.18   | 18.13  | 18.02  | 71.6   | 111    | 21.8   | 12.6   | 443    | 2.67 | 60.9   | .8    | 5.6    | 2.9    | 17.2   | .20    | .71    | .40    | 61    | .20  | .049 | 12.9   | 36.8   | .59  | 194.2  | .049     | 1       | 1.77 | .012 | .05 | <.2   | .10    | 37     | .7     | .06    | 5.6    | .01  |
| 74785        | 1.98   | 19.91  | 14.31  | 70.2   | 167    | 25.9   | 13.4   | 549    | 2.64 | 108.1  | 1.1   | 7.8    | 3.9    | 34.4   | .14    | .80    | .23    | 55    | .45  | .050 | 13.9   | 52.1   | .69  | 200.2  | .054     | 1       | 1.69 | .012 | .05 | .2    | .10    | 40     | .7     | .05    | 5.5    | .03  |
| 74786        | 1.33   | 24.59  | 18.54  | 63.2   | 552    | 28.2   | 10.5   | 255    | 1.96 | 68.9   | 1.8   | 15.0   | 1.2    | 56.0   | .44    | 1.02   | .22    | 37    | .68  | .073 | 13.1   | 39.8   | .55  | 256.2  | .044     | 2       | 1.51 | .016 | .05 | .2    | .10    | 81     | 1.3    | .06    | 4.5    | .09  |
| 74787        | 1.01   | 23.26  | 32.48  | 77.7   | 417    | 22.3   | 11.2   | 720    | 2.38 | 73.0   | 3.6   | 36.0   | 4.1    | 63.2   | .31    | .74    | .19    | 42    | .76  | .096 | 27.0   | 32.0   | .50  | 294.4  | .042     | 1       | 1.62 | .017 | .09 | .2    | .11    | 74     | 1.2    | .05    | 4.8    | .08  |
| 74788        | 1.10   | 21.10  | 17.03  | 112.1  | 277    | 26.5   | 12.0   | 267    | 2.56 | 63.9   | 1.5   | 6.3    | 6.6    | 41.6   | .25    | .92    | .22    | 58    | .58  | .073 | 16.2   | 42.3   | .84  | 378.9  | .096     | 1       | 1.89 | .019 | .10 | .2    | .13    | 56     | 1.2    | .05    | 6.2    | .02  |
| 74789        | .32    | 22.73  | 16.59  | 95.0   | 96     | 21.6   | 13.3   | 284    | 2.95 | 5.4    | 2.1   | 2.5    | 10.7   | 31.9   | .24    | .81    | .23    | 72    | .46  | .064 | 28.6   | 42.5   | .94  | 458.0  | .055     | 2       | 2.24 | .015 | .08 | .2    | .12    | 41     | .4     | .02    | 8.3    | <.01 |
| 74790        | .81    | 22.54  | 17.52  | 90.3   | 64     | 18.3   | 11.8   | 640    | 3.14 | 6.6    | 1.9   | .7     | 10.3   | 32.9   | .19    | .65    | .58    | 60    | .32  | .045 | 31.3   | 32.5   | .73  | 475.5  | .041     | 2       | 2.25 | .014 | .12 | <.2   | .14    | 27     | .2     | <.02   | 7.9    | .01  |
| 74791        | .98    | 20.45  | 17.92  | 79.8   | 46     | 20.1   | 13.0   | 470    | 3.80 | 8.3    | 1.0   | 1.4    | 12.0   | 12.5   | .17    | .58    | .27    | 62    | .12  | .027 | 24.1   | 31.8   | .63  | 239.7  | .028     | 3       | 2.88 | .010 | .13 | .2    | .16    | 39     | .5     | .04    | 7.9    | <.01 |
| RE 74791     | 1.05   | 20.59  | 18.99  | 81.2   | 50     | 20.6   | 14.0   | 474    | 3.85 | 8.7    | 1.0   | .9     | 12.6   | 13.1   | .17    | .58    | .24    | 62    | .12  | .027 | 25.2   | 32.0   | .68  | 258.8  | .027     | 3       | 3.13 | .013 | .13 | .2    | .17    | 51     | .4     | .04    | 8.2    | <.01 |
| 74792        | .39    | 39.94  | 17.61  | 57.8   | 129    | 47.5   | 14.4   | 226    | 2.76 | 54.0   | .6    | 5.0    | 6.9    | 43.6   | .20    | 1.18   | .33    | 63    | .97  | .045 | 22.0   | 56.4   | .80  | 532.8  | .037     | 3       | 2.03 | .020 | .08 | .2    | .09    | 51     | .5     | .03    | 5.9    | .02  |
| 74793        | 2.14   | 27.37  | 17.36  | 70.5   | 348    | 21.4   | 9.2    | 619    | 2.40 | 158.0  | .6    | 7.4    | .6     | 15.5   | .32    | .82    | .34    | 73    | .13  | .037 | 9.6    | 31.9   | .35  | 263.4  | .049     | 1       | 1.56 | .010 | .07 | .2    | .12    | 31     | .4     | .07    | 7.0    | <.01 |
| 74794        | 1.81   | 18.12  | 24.85  | 56.5   | 124    | 15.4   | 4.3    | 121    | 2.06 | 95.1   | .5    | 3.1    | .2     | 17.0   | .28    | .68    | .28    | 70    | .11  | .034 | 10.1   | 40.9   | .35  | 258.3  | .059     | 1       | 1.69 | .012 | .06 | <.2   | .12    | 19     | .4     | .03    | 8.3    | <.01 |
| 74795        | 1.87   | 17.35  | 29.18  | 108.5  | 437    | 22.1   | 17.0   | 847    | 3.34 | 90.9   | .6    | 4.2    | 4.0    | 15.5   | .73    | .78    | .24    | 90    | .13  | .030 | 13.1   | 60.9   | .61  | 291.0  | .092     | 1       | 2.59 | .015 | .08 | .2    | .12    | 36     | .4     | .07    | 8.8    | <.01 |
| 74796        | 1.17   | 20.34  | 43.22  | 76.5   | 100    | 23.4   | 9.8    | 327    | 2.91 | 103.3  | .8    | 9.6    | 5.9    | 23.3   | .31    | .70    | .24    | 75    | .28  | .054 | 17.1   | 55.6   | .82  | 326.4  | .098     | 1       | 2.46 | .013 | .06 | .2    | .13    | 18     | .4     | .03    | 7.4    | <.01 |
| 74797        | 1.40   | 23.18  | 37.37  | 80.3   | 299    | 23.5   | 8.1    | 349    | 3.04 | 157.4  | .9    | 1.5    | 5.8    | 18.6   | .21    | 1.00   | .26    | 71    | .15  | .029 | 17.9   | 44.9   | .71  | 290.4  | .074     | 1       | 2.22 | .008 | .10 | .2    | .14    | 19     | .5     | .03    | 7.5    | <.01 |
| 74798        | 1.04   | 26.63  | 17.11  | 96.8   | 366    | 27.7   | 13.4   | 390    | 3.44 | 84.9   | 1.3   | 3.6    | 8.3    | 33.4   | .46    | 1.01   | .17    | 75    | .41  | .094 | 25.0   | 136.6  | 1.51 | 284.8  | .115     | 1       | 2.60 | .012 | .17 | .2    | .19    | 27     | .6     | .05    | 7.9    | <.01 |
| 74800        | 1.55   | 19.18  | 55.15  | 70.7   | 301    | 19.9   | 10.1   | 460    | 2.40 | 77.8   | 1.5   | 6.8    | 1.9    | 20.8   | .22    | .68    | .32    | 70    | .20  | .055 | 14.9   | 42.9   | .55  | 199.7  | .051     | 1       | 1.73 | .010 | .07 | .2    | .14    | 62     | 1.0    | .06    | 6.9    | .02  |
| 74801        | .85    | 10.84  | 17.69  | 55.9   | 118    | 13.9   | 4.2    | 114    | 1.85 | 26.3   | .8    | 3.0    | 2.0    | 15.9   | .13    | .41    | .20    | 50    | .18  | .041 | 12.1   | 26.4   | .42  | 138.5  | .043     | 1       | 1.32 | .010 | .04 | .2    | .09    | 39     | .6     | .02    | 4.8    | .01  |
| 74802        | 1.09   | 34.95  | 36.43  | 83.1   | 204    | 34.5   | 11.9   | 418    | 2.81 | 71.5   | 1.4   | 4.8    | 3.5    | 28.2   | .25    | .88    | .23    | 68    | .29  | .051 | 15.1   | 49.2   | .73  | 306.6  | .107     | 1       | 2.02 | .015 | .13 | .2    | .14    | 39     | .7     | .06    | 6.3    | .02  |
| 74803        | .68    | 28.20  | 24.89  | 65.3   | 73     | 26.4   | 9.5    | 332    | 2.52 | 51.1   | .9    | 4.0    | 3.9    | 23.9   | .12    | .87    | .18    | 62    | .30  | .057 | 14.2   | 39.6   | .68  | 196.8  | .113     | 1       | 1.70 | .017 | .09 | .2    | .10    | 20     | .5     | .02    | 5.0    | <.01 |
| 74804        | .67    | 18.19  | 17.88  | 39.9   | 22     | 15.3   | 5.6    | 150    | 1.95 | 32.2   | .6    | 1.4    | 1.0    | 12.4   | .09    | .59    | .16    | 53    | .11  | .022 | 8.6    | 24.0   | .33  | 147.2  | .070     | 1       | 1.43 | .017 | .04 | <.2   | .07    | 19     | .4     | .04    | 5.0    | .01  |
| 74809        | .89    | 14.47  | 9.72   | 66.1   | 78     | 13.3   | 8.6    | 315    | 2.76 | 6.3    | 1.0   | 4.3    | 5.6    | 27.6   | .15    | .57    | .20    | 58    | .37  | .053 | 15.8   | 24.0   | .59  | 414.5  | .044     | 2       | 1.94 | .014 | .08 | .2    | .12    | 45     | .6     | .03    | 6.3    | .01  |
| 74810        | .57    | 19.27  | 11.60  | 88.2   | 51     | 16.3   | 16.2   | 377    | 3.51 | 3.6    | .8    | 1.0    | 5.1    | 41.9   | .19    | .44    | .18    | 74    | .52  | .071 | 15.6   | 26.2   | .89  | 341.5  | .028     | 4       | 1.97 | .015 | .10 | .2    | .08    | 36     | .4     | .02    | 6.9    | <.01 |
| 74811        | .45    | 12.97  | 9.31   | 80.9   | 55     | 15.0   | 19.5   | 1091   | 4.64 | 4.0    | .4    | 1.5    | 2.1    | 39.9   | .20    | .39    | .13    | 93    | .74  | .096 | 8.8    | 23.4   | .89  | 279.2  | .016     | 5       | 2.09 | .014 | .08 | .2    | .10    | 32     | .5     | <.02   | 7.8    | .03  |
| 74812        | .54    | 17.70  | 13.42  | 47.0   | 55     | 19.8   | 9.2    | 514    | 2.09 | 8.9    | .8    | 2.0    | 1.1    | 46.9   | .47    | .51    | .16    | 51    | 1.50 | .034 | 9.9    | 27.2   | .39  | 129.1  | .052     | 2       | 1.43 | .023 | .03 | .2    | .06    | 54     | .8     | .03    | 4.1    | .05  |
| 74813        | .85    | 26.31  | 24.41  | 71.6   | 23     | 26.3   | 9.0    | 221    | 3.18 | 68.1   | .6    | 3.9    | 4.0    | 8.5    | .18    | .93    | .84    | 65    | .12  | .019 | 14.3   | 38.6   | .72  | 127.7  | .049     | 1       | 2.15 | .006 | .11 | .2    | .18    | 11     | .4     | .10    | 6.8    | <.01 |
| 74814        | 1.61   | 16.86  | 35.21  | 60.6   | 319    | 21.2   | 9.3    | 259    | 2.97 | 47.0   | .6    | 5.8    | 3.9    | 13.2   | .15    | .70    | .27    | 79    | .12  | .014 | 10.0   | 45.5   | .62  | 183.0  | .084     | 1       | 2.37 | .011 | .05 | .2    | .12    | 30     | .5     | .06    | 7.7    | .01  |
| STANDARD DS2 | 14.26  | 136.92 | 34.06  | 175.7  | 264    | 39.8   | 13.6   | 866    | 3.34 | 67.3   | 23.4  | 208.3  | 3.7    | 33.1   | 11.63  | 10.30  | 11.44  | 86    | .58  | .086 | 14.8   | 176.9  | .65  | 152.0  | .119     | 2       | 1.87 | .041 | .17 | 7.9   | 1.99   | 266    | 2.9    | 2.07   | 6.6    | .03  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date:

P. 08/12

604 253 1716 TO 68139200

AUG 24 '99 17:16 FR ACME LABS



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|--------|--------|--------|--------|--------|------|
| 74815        | .92    | 26.32  | 9.62   | 57.5   | 34     | 25.8   | 10.3   | 400    | 2.72 | 39.4   | .8    | 7.7    | 5.0    | 16.2   | .05    | .68    | .20    | 61    | .16  | .017 | 16.9   | 36.9   | .65  | 185.2  | .092 | 1     | 1.79 | .016 | .05 | .2    | .08    | 25     | .6     | .03    | 5.2    | <.01 |
| 74816        | 1.21   | 16.77  | 10.75  | 61.5   | 214    | 22.9   | 10.4   | 363    | 3.08 | 17.3   | .4    | 3.2    | 3.7    | 13.7   | .10    | .70    | .21    | 84    | .13  | .016 | 10.0   | 52.8   | .62  | 204.3  | .086 | 1     | 2.26 | .014 | .04 | .2    | .12    | 17     | .3     | .05    | 7.2    | <.01 |
| 74817        | .79    | 9.71   | 8.47   | 70.9   | 48     | 9.1    | 12.6   | 1011   | 3.42 | 7.2    | .7    | .4     | 4.8    | 13.3   | .21    | .52    | .17    | 65    | .11  | .026 | 15.3   | 19.4   | .89  | 211.8  | .077 | 1     | 1.99 | .011 | .17 | <.2   | .11    | 11     | .2     | .02    | 9.2    | <.01 |
| 74818        | .61    | 17.07  | 11.03  | 58.9   | 63     | 16.0   | 8.1    | 434    | 2.62 | 6.1    | 1.2   | 1.9    | 6.3    | 38.4   | .12    | .50    | .17    | 55    | .43  | .028 | 18.1   | 28.0   | .56  | 426.0  | .038 | 2     | 1.83 | .014 | .07 | <.2   | .08    | 32     | .4     | .04    | 5.8    | <.01 |
| 74819        | .72    | 24.91  | 12.27  | 52.2   | 79     | 27.3   | 12.3   | 606    | 2.66 | 9.9    | .9    | 1.6    | 2.7    | 39.4   | .14    | .62    | .23    | 62    | .72  | .037 | 11.7   | 35.3   | .58  | 632.4  | .044 | 1     | 1.65 | .020 | .05 | <.2   | .07    | 32     | .6     | .03    | 5.1    | .03  |
| 74820        | .53    | 28.03  | 12.54  | 58.7   | 111    | 28.7   | 11.0   | 332    | 2.62 | 18.9   | .4    | 2.0    | 2.5    | 35.8   | .22    | .75    | .19    | 63    | .98  | .047 | 13.4   | 33.9   | .62  | 262.0  | .060 | 1     | 1.58 | .027 | .04 | .2    | .05    | 34     | .3     | .04    | 4.8    | .02  |
| 74821        | 1.24   | 19.46  | 13.13  | 65.5   | 298    | 24.7   | 10.6   | 351    | 3.53 | 60.2   | .6    | 2.9    | 4.2    | 10.6   | .13    | 1.11   | .41    | 80    | .10  | .026 | 10.5   | 39.5   | .53  | 304.2  | .070 | 1     | 2.44 | .012 | .05 | .2    | .15    | 36     | .4     | .05    | 7.5    | <.01 |
| 74822        | .89    | 16.14  | 9.57   | 48.7   | 35     | 26.2   | 11.7   | 243    | 2.90 | 18.4   | .4    | 1.8    | 2.9    | 14.8   | .09    | .53    | .19    | 81    | .19  | .037 | 7.9    | 107.7  | .94  | 130.0  | .121 | <1    | 2.02 | .014 | .06 | <.2   | .14    | 24     | .3     | .03    | 7.1    | <.01 |
| 74823        | 1.02   | 23.97  | 10.82  | 64.8   | 131    | 25.9   | 10.1   | 387    | 2.77 | 35.5   | .6    | 3.2    | 3.6    | 22.9   | .19    | .80    | .18    | 70    | .24  | .031 | 12.3   | 44.6   | .69  | 242.6  | .096 | <1    | 1.90 | .018 | .05 | .2    | .09    | 19     | .4     | .03    | 5.6    | <.01 |
| 74824        | 1.39   | 27.17  | 15.71  | 83.2   | 127    | 31.7   | 13.7   | 495    | 3.10 | 53.0   | 1.0   | 5.5    | 5.4    | 32.7   | .22    | .82    | .21    | 77    | .40  | .059 | 17.2   | 84.5   | .96  | 374.8  | .096 | <1    | 2.29 | .016 | .06 | .2    | .11    | 30     | .4     | .06    | 7.1    | .02  |
| 74825        | 1.01   | 18.02  | 12.66  | 62.1   | 69     | 23.0   | 9.3    | 301    | 2.74 | 38.7   | .6    | 2.9    | 3.9    | 22.1   | .20    | .73    | .18    | 63    | .26  | .038 | 12.2   | 42.0   | .61  | 257.6  | .082 | <1    | 1.92 | .015 | .04 | .2    | .07    | 21     | .3     | .03    | 5.5    | .01  |
| 74826        | 1.98   | 22.41  | 53.94  | 73.2   | 229    | 23.5   | 10.1   | 259    | 2.53 | 51.1   | .9    | 2.8    | 4.1    | 18.2   | .59    | .78    | .20    | 58    | .18  | .050 | 15.2   | 40.3   | .56  | 206.5  | .076 | <1    | 1.56 | .015 | .06 | .3    | .08    | 26     | .7     | .04    | 5.1    | .03  |
| 74834        | .81    | 24.87  | 17.24  | 84.5   | 148    | 12.8   | 10.5   | 527    | 2.61 | 5.3    | .7    | 2.3    | 2.9    | 26.4   | .13    | .40    | .27    | 53    | .25  | .040 | 10.9   | 19.2   | .45  | 279.4  | .047 | 1     | 1.71 | .014 | .07 | <.2   | .09    | 41     | .4     | .05    | 5.7    | .06  |
| 74835        | .97    | 25.69  | 44.33  | 293.5  | 202    | 15.2   | 11.0   | 517    | 2.61 | 13.2   | .6    | 5.7    | 2.3    | 26.9   | .45    | .44    | .28    | 65    | .34  | .051 | 9.3    | 25.3   | .49  | 249.5  | .035 | 1     | 1.84 | .014 | .06 | .2    | .11    | 48     | .4     | .04    | 6.3    | .03  |
| 74836        | 1.14   | 22.18  | 24.65  | 186.0  | 72     | 17.2   | 11.4   | 685    | 2.76 | 70.8   | .5    | 4.9    | 2.7    | 23.4   | .38    | .53    | .25    | 69    | .28  | .040 | 10.7   | 31.0   | .56  | 202.5  | .070 | 1     | 1.73 | .013 | .07 | .2    | .10    | 28     | .2     | .05    | 6.4    | .03  |
| 74837        | .61    | 19.01  | 17.77  | 67.1   | 133    | 18.9   | 7.7    | 233    | 2.23 | 39.6   | 1.2   | 5.4    | 4.2    | 20.6   | .21    | .65    | .19    | 52    | .28  | .060 | 13.4   | 30.9   | .51  | 154.4  | .056 | 1     | 1.48 | .014 | .05 | .4    | .09    | 54     | .6     | .03    | 4.7    | .03  |
| 74838        | 1.81   | 25.39  | 18.49  | 81.3   | 499    | 26.4   | 6.8    | 163    | 2.13 | 149.6  | 1.5   | 8.6    | 2.2    | 21.8   | .47    | 1.25   | .19    | 49    | .21  | .040 | 12.3   | 38.3   | .50  | 630.2  | .057 | 1     | 1.70 | .013 | .06 | .2    | .10    | 42     | 1.0    | .05    | 5.2    | .03  |
| 74839        | 2.73   | 36.34  | 24.24  | 98.6   | 498    | 31.6   | 8.7    | 250    | 2.86 | 129.6  | 1.4   | 5.4    | 2.5    | 26.5   | .57    | 1.03   | .27    | 75    | .23  | .049 | 9.4    | 40.5   | .52  | 342.2  | .076 | <1    | 2.10 | .014 | .09 | .2    | .12    | 53     | .9     | .05    | 7.3    | .02  |
| 74840        | 2.70   | 53.84  | 42.58  | 119.2  | 170    | 35.4   | 12.3   | 461    | 3.41 | 287.6  | 2.3   | 3.7    | 6.1    | 32.7   | .40    | 1.96   | .57    | 70    | .23  | .081 | 17.9   | 53.9   | .94  | 317.5  | .107 | 1     | 2.03 | .014 | .19 | <.2   | .20    | 16     | 1.3    | .10    | 5.9    | .08  |
| RE 74840     | 2.55   | 50.77  | 38.77  | 114.8  | 153    | 34.1   | 11.2   | 440    | 3.27 | 273.4  | 2.1   | 5.4    | 5.6    | 30.1   | .34    | 1.75   | .27    | 66    | .22  | .078 | 16.7   | 48.7   | .85  | 286.0  | .097 | 1     | 1.85 | .014 | .18 | .2    | .16    | 17     | 1.1    | .09    | 5.4    | .09  |
| 74841        | 2.00   | 29.08  | 38.39  | 85.9   | 192    | 28.9   | 10.2   | 309    | 2.94 | 136.6  | 1.0   | 6.8    | 3.6    | 18.0   | .34    | 1.25   | .23    | 71    | .18  | .041 | 10.5   | 42.3   | .63  | 235.4  | .067 | 1     | 1.93 | .014 | .06 | .2    | .10    | 30     | .6     | .05    | 6.2    | .03  |
| 74842        | 2.63   | 37.11  | 51.92  | 107.2  | 170    | 34.2   | 12.7   | 423    | 2.96 | 122.3  | 1.8   | 4.1    | 4.5    | 24.7   | .44    | 1.62   | .28    | 68    | .25  | .053 | 13.9   | 51.2   | .76  | 211.9  | .071 | <1    | 1.75 | .014 | .06 | .3    | .09    | 17     | .9     | .07    | 5.6    | .03  |
| 74843        | 1.95   | 19.29  | 22.81  | 70.1   | 531    | 22.2   | 8.8    | 325    | 3.65 | 33.5   | .7    | 2.7    | 6.4    | 12.5   | .29    | .95    | .30    | 96    | .12  | .027 | 10.5   | 50.4   | .67  | 181.3  | .111 | 1     | 2.32 | .011 | .06 | .3    | .17    | 40     | .4     | .06    | 8.9    | .02  |
| 74844        | 2.18   | 17.85  | 11.43  | 76.0   | 42     | 31.5   | 10.9   | 410    | 4.23 | 36.8   | .5    | 2.3    | 3.0    | 12.9   | .17    | .83    | .23    | 117   | .14  | .055 | 9.1    | 126.8  | .99  | 172.9  | .149 | 1     | 1.92 | .013 | .09 | .2    | .15    | 19     | .5     | .03    | 9.7    | .01  |
| 74845        | 2.08   | 20.95  | 19.02  | 81.1   | 34     | 28.7   | 11.7   | 403    | 3.57 | 57.3   | .6    | 2.8    | 1.9    | 12.7   | .29    | 1.10   | .27    | 87    | .12  | .049 | 11.3   | 62.1   | .76  | 174.6  | .069 | 1     | 1.96 | .010 | .07 | .2    | .11    | 24     | .5     | .07    | 7.8    | .02  |
| 74846        | 1.28   | 17.41  | 17.26  | 47.5   | 40     | 17.1   | 7.2    | 219    | 2.62 | 47.3   | .6    | 8.3    | 1.6    | 15.3   | .15    | .72    | .24    | 65    | .14  | .023 | 13.6   | 33.8   | .46  | 175.4  | .054 | 1     | 1.79 | .010 | .05 | .2    | .12    | 32     | .4     | .05    | 7.2    | .03  |
| 74847        | 1.23   | 12.66  | 10.38  | 49.9   | 35     | 16.5   | 8.4    | 226    | 3.24 | 25.3   | .4    | 2.6    | 2.5    | 11.4   | .10    | .68    | .21    | 95    | .12  | .020 | 7.4    | 38.9   | .63  | 157.6  | .098 | 1     | 1.93 | .011 | .04 | .2    | .11    | 16     | .3     | .03    | 7.7    | .02  |
| 74848        | 1.22   | 36.06  | 12.58  | 93.1   | 35     | 33.7   | 20.7   | 608    | 3.84 | 100.6  | 1.1   | 4.6    | 5.5    | 19.8   | .19    | 1.17   | .18    | 95    | .26  | .044 | 28.2   | 51.0   | 1.33 | 423.3  | .120 | 1     | 2.47 | .014 | .13 | .2    | .17    | 17     | .4     | .04    | 6.8    | .02  |
| 74849        | 1.23   | 17.09  | 15.41  | 51.7   | 32     | 17.8   | 6.8    | 215    | 2.76 | 118.3  | .5    | 3.1    | 3.5    | 14.1   | .13    | .67    | .21    | 73    | .14  | .018 | 10.0   | 32.3   | .45  | 176.2  | .086 | 1     | 1.68 | .011 | .05 | <.2   | .10    | 22     | .3     | .04    | 6.8    | .02  |
| 74850        | .96    | 27.25  | 102.49 | 129.8  | 731    | 34.3   | 11.6   | 1493   | 2.12 | 112.5  | 1.5   | 9.4    | 1.2    | 53.6   | 1.50   | 1.16   | .36    | 35    | 1.52 | .077 | 19.1   | 23.2   | .26  | 347.0  | .023 | 1     | 1.32 | .012 | .03 | .3    | .05    | 86     | 1.1    | .03    | 2.9    | .08  |
| 74851        | .67    | 19.31  | 21.55  | 65.7   | 137    | 17.4   | 14.0   | 635    | 2.97 | 25.1   | 1.2   | 3.5    | 2.1    | 48.5   | .17    | .49    | .16    | 61    | 1.26 | .064 | 11.2   | 21.8   | .42  | 467.1  | .015 | 1     | 1.59 | .015 | .06 | <.2   | .07    | 48     | .6     | .02    | 4.9    | .07  |
| 74856        | 1.02   | 16.33  | 19.02  | 70.5   | 184    | 23.0   | 9.5    | 287    | 2.19 | 51.7   | .9    | 5.5    | 4.8    | 24.4   | .17    | .49    | .23    | 47    | .28  | .055 | 19.3   | 53.5   | .64  | 166.1  | .055 | 1     | 1.43 | .011 | .08 | .2    | .12    | 45     | .4     | .02    | 5.7    | .04  |
| 74857        | 1.12   | 21.67  | 25.22  | 95.1   | 239    | 26.7   | 14.6   | 514    | 2.69 | 57.8   | 1.1   | 6.2    | 7.2    | 30.8   | .27    | .64    | .26    | 53    | .37  | .066 | 18.2   | 44.4   | .70  | 314.3  | .067 | 1     | 1.78 | .013 | .09 | .2    | .12    | 46     | .6     | .04    | 5.9    | .03  |
| 74858        | 1.01   | 26.88  | 20.60  | 88.6   | 269    | 38.1   | 13.8   | 392    | 2.90 | 126.0  | 1.1   | 14.5   | 4.7    | 32.6   | .22    | .57    | .23    | 67    | .49  | .073 | 17.0   | 89.6   | .93  | 289.6  | .093 | 1     | 1.79 | .015 | .10 | .2    | .14    | 38     | .5     | .03    | 6.4    | .04  |
| STANDARD DS2 | 14.04  | 134.03 | 32.34  | 174.1  | 251    | 38.8   | 13.2   | 855    | 3.32 | 66.8   | 21.0  | 199.3  | 3.5    | 31.9   | 11.05  | 10.32  | 11.44  | 84    | .57  | .085 | 14.8   | 170.8  | .61  | 144.6  | .114 | 2     | 1.79 | .039 | .17 | 7.6   | 1.98   | 258    | 2.7    | 2.01   | 6.5    | .03  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P.09/12



604 253 1716 TO 6813920

AUG 24'99 17:16 FR ACME LABS

| SAMPLE#  | Mo ppm | Cu ppm | Pb ppm  | Zn ppm | Ag ppb    | Ni ppm | Co ppm    | Mn ppm | Fe % | As ppm    | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca %  | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S % |
|----------|--------|--------|---------|--------|-----------|--------|-----------|--------|------|-----------|-------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|--------|--------|--------|--------|--------|-----|
| 74859    | 1.81   | 19.91  | 12.72   | 55.4   | 156 14.3  | 6.7    | 220 2.46  | 111.1  | .6   | 1.8 3.4   | 12.1  | .24    | .81    | .29    | 87     | .09    | .034   | 13.4  | 36.5  | .37  | 145.6  | .120   | 1    | 1.01   | .010 | .10   | .2   | .13  | 40  | .4    | .06    | 8.6    | .02    |        |        |     |
| 74860    | 1.06   | 33.94  | 18.44   | 138.0  | 201 97.1  | 22.1   | 597 3.67  | 123.3  | 1.5  | 5.5 7.4   | 42.6  | .34    | .67    | .27    | 85     | .75    | .171   | 29.4  | 230.6 | 1.89 | 675.5  | .138   | 1    | 2.32   | .013 | .40   | .2   | .34  | 15  | .4    | .04    | 8.5    | .02    |        |        |     |
| 74861    | 2.17   | 33.32  | 23.79   | 140.3  | 116 54.0  | 23.3   | 824 4.09  | 134.8  | 1.1  | 3.3 6.0   | 28.1  | .44    | .64    | .34    | 112    | .39    | .161   | 17.2  | 103.6 | 1.42 | 280.8  | .185   | 1    | 2.21   | .013 | .34   | .2   | .26  | 18  | .6    | .04    | 10.3   | .03    |        |        |     |
| 74862    | 2.18   | 33.19  | 29.93   | 118.2  | 522 39.3  | 18.5   | 790 3.50  | 153.9  | 1.7  | 11.4 5.1  | 67.1  | .28    | .77    | .34    | 80     | .75    | .099   | 24.6  | 64.6  | 1.03 | 439.5  | .076   | 1    | 1.87   | .015 | .19   | .2   | .19  | 48  | .7    | .06    | 7.3    | .05    |        |        |     |
| 74863    | 1.40   | 23.96  | 58.92   | 106.0  | 531 27.5  | 16.4   | 630 2.86  | 70.4   | 1.8  | 6.2 7.8   | 44.9  | .33    | .69    | 1.02   | 60     | .49    | .087   | 34.5  | 76.1  | .77  | 369.7  | .070   | 1    | 1.84   | .013 | .12   | .2   | .16  | 32  | .4    | .05    | 6.5    | .02    |        |        |     |
| 74864    | 1.32   | 16.88  | 21.46   | 75.5   | 175 18.6  | 15.4   | 751 2.33  | 61.9   | 1.0  | 6.1 3.6   | 32.0  | .21    | .57    | .26    | 55     | .35    | .057   | 21.6  | 32.9  | .55  | 237.2  | .055   | 1    | 1.37   | .014 | .07   | .2   | .09  | 36  | .7    | .04    | 5.4    | .03    |        |        |     |
| 74865    | .81    | 18.19  | 17.81   | 63.7   | 442 16.7  | 4.8    | 153 1.52  | 34.3   | 1.1  | 5.3 1.3   | 35.6  | .42    | .41    | .17    | 27     | .35    | .062   | 16.7  | 35.2  | .42  | 382.5  | .036   | 1    | 1.10   | .013 | .11   | <.2  | .13  | 46  | .6    | <.02   | 4.9    | .06    |        |        |     |
| 74866    | 1.01   | 30.25  | 21.90   | 71.1   | 87 30.2   | 12.5   | 384 2.80  | 43.3   | 1.0  | 8.9 6.8   | 17.6  | .20    | .67    | .46    | 65     | .19    | .030   | 12.1  | 43.1  | .67  | 195.1  | .100   | 1    | 2.05   | .014 | .05   | <.2  | .11  | 30  | .5    | .04    | 5.5    | .01    |        |        |     |
| 74867    | 1.37   | 20.69  | 33.97   | 78.9   | 454 23.7  | 8.3    | 239 2.43  | 225.8  | 1.2  | 35.4 4.8  | 21.7  | .24    | .60    | .53    | 50     | .27    | .059   | 16.5  | 38.8  | .63  | 168.8  | .076   | 1    | 1.65   | .011 | .11   | .2   | .14  | 43  | .7    | .04    | 6.0    | .02    |        |        |     |
| 74868    | 1.37   | 24.60  | 14.34   | 37.3   | 237 11.3  | 5.9    | 229 1.20  | 39.3   | 1.1  | 5.9 1.4   | 20.2  | .28    | .31    | .20    | 33     | .18    | .032   | 14.7  | 21.5  | .21  | 146.9  | .042   | 1    | .89    | .012 | .05   | <.2  | .12  | 22  | .6    | .04    | 4.7    | .05    |        |        |     |
| 74869    | 1.67   | 29.23  | 17.31   | 78.8   | 272 26.8  | 11.6   | 322 2.80  | 189.1  | 1.9  | 12.6 3.3  | 26.9  | .22    | .84    | .24    | 57     | .31    | .054   | 16.8  | 32.6  | .57  | 292.7  | .047   | 1    | 1.94   | .012 | .06   | .2   | .13  | 53  | 1.0   | .04    | 6.1    | .03    |        |        |     |
| 74870    | 2.08   | 34.02  | 38.42   | 122.8  | 279 29.1  | 15.7   | 686 3.22  | 639.5  | 1.3  | 52.6 4.8  | 20.3  | .37    | 1.88   | .60    | 60     | .22    | .057   | 20.4  | 39.0  | .61  | 193.8  | .054   | 1    | 1.93   | .012 | .09   | <.2  | .13  | 40  | .8    | .06    | 6.4    | .02    |        |        |     |
| 74871    | 1.08   | 27.68  | 13.20   | 54.3   | 82 21.4   | 7.9    | 246 2.44  | 153.3  | 1.2  | 12.3 9    | 13.9  | .16    | .62    | .24    | 52     | .13    | .039   | 17.5  | 34.4  | .47  | 117.0  | .049   | 1    | 1.70   | .011 | .06   | <.2  | .10  | 36  | .5    | .04    | 6.0    | .02    |        |        |     |
| 74872    | 1.65   | 41.06  | 25.99   | 123.1  | 629 45.3  | 15.6   | 986 3.24  | 651.8  | 2.3  | 73.4 3.4  | 54.5  | .49    | 1.26   | .32    | 53     | 1.00   | .068   | 21.8  | 41.7  | .68  | 396.4  | .043   | 2    | 2.16   | .015 | .08   | .3   | .12  | 73  | 1.0   | .05    | 5.8    | .07    |        |        |     |
| 74873    | .70    | 16.11  | 17.78   | 73.0   | 106 21.2  | 11.0   | 610 2.17  | 121.0  | .9   | 6.3 2.6   | 63.1  | .30    | .66    | .14    | 44     | 1.46   | .085   | 14.0  | 23.9  | .52  | 219.6  | .046   | 2    | 1.34   | .018 | .04   | .2   | .06  | 47  | .8    | .03    | 4.1    | .05    |        |        |     |
| 74874    | 1.28   | 42.26  | 68.50   | 208.2  | 620 33.7  | 14.9   | 535 3.09  | 363.0  | 1.4  | 47.0 4.4  | 44.0  | 1.11   | 1.21   | .32    | 53     | .89    | .059   | 16.7  | 37.0  | .77  | 249.0  | .054   | 1    | 1.79   | .015 | .09   | .3   | .10  | 44  | .7    | .06    | 5.2    | .03    |        |        |     |
| RE 74875 | 2.52   | 57.08  | 1428.97 | 2163.9 | 2599 42.6 | 15.0   | 792 3.88  | 989.3  | 1.4  | 195.0 7.1 | 32.4  | 5.56   | 2.34   | .42    | 50     | .36    | .071   | 19.9  | 34.5  | .69  | 138.3  | .063   | 1    | 1.69   | .011 | .11   | .3   | .11  | 48  | 1.2   | .07    | 4.8    | .03    |        |        |     |
| 74875    | 2.53   | 56.72  | 1422.84 | 2188.4 | 2608 43.0 | 14.7   | 794 3.91  | 991.2  | 1.5  | 193.3 7.4 | 34.8  | 5.61   | 2.40   | .42    | 53     | .38    | .076   | 20.5  | 33.3  | .72  | 144.9  | .068   | 1    | 1.78   | .013 | .11   | .3   | .11  | 41  | .9    | .06    | 5.1    | .03    |        |        |     |
| 74876    | 1.45   | 31.29  | 51.50   | 115.6  | 272 24.3  | 11.8   | 510 3.06  | 697.7  | .8   | 66.4 3.5  | 19.9  | .45    | .84    | .27    | 65     | .15    | .036   | 11.9  | 36.4  | .50  | 101.3  | .085   | 2    | 1.71   | .013 | .09   | .2   | .11  | 45  | .5    | .06    | 7.1    | .03    |        |        |     |
| 74877    | 2.51   | 44.63  | 180.49  | 202.1  | 346 23.9  | 10.7   | 587 2.87  | 1069.9 | 1.2  | 131.4 3.1 | 22.7  | 1.16   | 1.62   | .40    | 59     | .14    | .043   | 21.8  | 40.2  | .41  | 127.2  | .049   | 1    | 1.21   | .011 | .09   | .2   | .09  | 29  | 1.1   | .09    | 6.1    | .05    |        |        |     |
| 74878    | 3.06   | 50.83  | 64.26   | 162.9  | 859 36.8  | 14.3   | 1276 2.52 | 564.1  | 3.1  | 100.5 2.6 | 89.4  | 1.51   | 1.60   | .30    | 47     | 1.11   | .082   | 18.1  | 41.5  | .63  | 439.8  | .038   | 2    | 1.55   | .017 | .08   | .2   | .13  | 73  | 2.2   | .06    | 5.2    | .11    |        |        |     |
| 74879    | 1.07   | 16.58  | 16.23   | 74.5   | 130 19.8  | 8.8    | 271 2.53  | 105.2  | 1.3  | 12.6 6.8  | 23.1  | .14    | .55    | .18    | 61     | .31    | .066   | 18.3  | 34.2  | .61  | 132.4  | .088   | 1    | 1.60   | .013 | .08   | .2   | .12  | 48  | .7    | .05    | 5.6    | .03    |        |        |     |
| 74880    | 1.65   | 41.18  | 70.15   | 123.2  | 573 15.7  | 8.5    | 455 1.87  | 332.4  | 1.4  | 24.4 1    | 18.8  | 1.17   | .75    | .19    | 33     | .19    | .066   | 15.4  | 22.6  | .22  | 215.9  | .016   | 2    | .87    | .018 | .11   | <.2  | .10  | 20  | .8    | .07    | 3.5    | .05    |        |        |     |
| 74881    | 1.13   | 17.01  | 23.17   | 79.4   | 112 20.2  | 9.4    | 357 2.18  | 24.9   | 1.3  | 5.9 8.4   | 28.2  | .21    | .41    | .20    | 45     | .31    | .093   | 29.6  | 50.9  | .58  | 128.1  | .067   | 1    | 1.28   | .012 | .12   | .2   | .16  | 28  | .5    | .02    | 5.8    | .03    |        |        |     |
| 74882    | 1.03   | 21.63  | 26.62   | 36.5   | 135 11.1  | 4.1    | 123 1.72  | 16.2   | 2.3  | 4.6 1.4   | 20.3  | .19    | .38    | .22    | 43     | .15    | .047   | 52.9  | 24.9  | .23  | 145.9  | .034   | 1    | 1.13   | .010 | .06   | <.2  | .09  | 38  | .2    | .03    | 5.2    | .03    |        |        |     |
| 74883    | 1.85   | 16.15  | 24.38   | 73.9   | 161 24.1  | 10.9   | 365 3.73  | 321.3  | .8   | 14.5 7.1  | 14.7  | .16    | .70    | .28    | 84     | .15    | .048   | 12.4  | 43.6  | .60  | 152.0  | .091   | 1    | 1.97   | .010 | .07   | .3   | .12  | 25  | .3    | .04    | 7.4    | .01    |        |        |     |
| 74884    | 3.04   | 41.42  | 29.04   | 103.6  | 484 32.6  | 12.3   | 470 2.95  | 297.6  | 2.9  | 17.1 5.8  | 39.5  | .47    | 1.10   | .39    | 75     | .27    | .050   | 22.8  | 47.3  | .56  | 425.1  | .064   | 1    | 1.69   | .014 | .11   | .2   | .15  | 42  | 1.0   | .06    | 6.9    | .07    |        |        |     |
| 74887    | 1.83   | 24.14  | 25.11   | 111.2  | 360 28.3  | 20.3   | 1037 2.95 | 141.0  | 1.2  | 7.6 4.4   | 26.9  | .31    | .75    | .26    | 63     | .30    | .090   | 17.4  | 46.3  | .72  | 389.7  | .074   | 2    | 1.71   | .011 | .12   | .2   | .13  | 32  | .7    | .06    | 6.1    | .03    |        |        |     |
| 74888    | 1.94   | 29.53  | 35.35   | 168.0  | 294 33.6  | 11.8   | 568 2.85  | 174.2  | 1.9  | 5.8 6.1   | 71.7  | .70    | 1.12   | .23    | 55     | .90    | .084   | 24.8  | 43.4  | .73  | 555.4  | .046   | 2    | 1.51   | .016 | .09   | .3   | .11  | 34  | 1.0   | .04    | 5.2    | .05    |        |        |     |
| 74889    | 1.84   | 20.03  | 21.79   | 92.4   | 400 21.6  | 8.4    | 281 2.38  | 120.6  | 1.0  | 10.5 3.4  | 23.9  | .26    | .93    | .25    | 52     | .28    | .071   | 17.6  | 34.9  | .58  | 304.0  | .049   | 1    | 1.63   | .011 | .07   | .2   | .12  | 39  | .7    | .06    | 5.9    | .03    |        |        |     |
| 74890    | .92    | 13.19  | 7.20    | 59.8   | 58 14.2   | 8.0    | 296 2.35  | 4.8    | .6   | 1.0 3.6   | 24.0  | .10    | .45    | .19    | 55     | .29    | .045   | 11.0  | 24.6  | .56  | 174.2  | .083   | 1    | 1.66   | .014 | .04   | .2   | .06  | 28  | .3    | .02    | 5.8    | <.01   |        |        |     |
| 74891    | 2.00   | 23.25  | 9.67    | 76.0   | 47 18.8   | 11.6   | 506 3.10  | 5.0    | 1.2  | 1.4 5.4   | 40.3  | .13    | .57    | .24    | 65     | .56    | .043   | 18.4  | 34.6  | .70  | 279.6  | .099   | 1    | 2.07   | .015 | .08   | .2   | .09  | 34  | .3    | .02    | 7.4    | .01    |        |        |     |
| 74892    | 2.41   | 14.90  | 9.12    | 59.9   | 74 14.4   | 8.1    | 303 2.66  | 5.2    | .7   | <.2 3.8   | 24.9  | .15    | .42    | .24    | 68     | .24    | .024   | 12.3  | 29.6  | .51  | 185.6  | .082   | 1    | 1.87   | .013 | .06   | .2   | .09  | 21  | .4    | .02    | 7.4    | <.01   |        |        |     |
| 74893    | 1.05   | 21.62  | 12.13   | 58.1   | 124 18.7  | 9.0    | 336 2.80  | 6.5    | .8   | .2 2.7    | 34.3  | .14    | .52    | .23    | 68     | .39    | .045   | 14.2  | 27.2  | .55  | 228.0  | .078   | 1    | 1.95   | .016 | .05   | .2   | .09  | 32  | .4    | .05    | 7.0    | .02    |        |        |     |
| STANDARD | 13.48  | 136.53 | 31.72   | 172.6  | 252 38.6  | 13.8   | 865 3.30  | 66.1   | 21.7 | 198.8 3.5 | 32.4  | 11.45  | 10.36  | 11.22  | 85     | .57    | .087   | 14.7  | 171.7 | .63  | 149.4  | .115   | 2    | 1.81   | .040 | .17   | 7.5  | 1.93 | 252 | 2.8   | 1.86   | 6.5    | .02    |        |        |     |

Standard is STANDARD DS2. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date: FA

P.10/12

604 253 1716 TO 6813920

AUG 24 '99 17:17 FR ACME LABS



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



| SAMPLE#      | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<br>ppb | Ni<br>ppm | Co<br>ppm | Mn<br>ppm | Fe<br>% | As<br>ppm | U<br>ppm | Au<br>ppb | Th<br>ppm | Sr<br>ppm | Cd<br>ppm | Sb<br>ppm | Bi<br>ppm | V<br>ppm | Ca<br>% | P<br>% | La<br>ppm | Cr<br>ppm | Mg<br>% | Ba<br>ppm | Ti<br>% | B<br>ppm | Al<br>% | Na<br>% | K<br>% | W<br>ppm | Tl<br>ppm | Hg<br>ppb | Se<br>ppm | Te<br>ppm | Ga<br>ppm | S<br>% |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|-----------|-----------|--------|
| 74894        | 1.06      | 26.15     | 105.84    | 183.2     | 563       | 23.9      | 13.8      | 673       | 2.76    | 350.3     | 1.2      | 35.7      | 3.1       | 32.6      | .79       | .79       | .31       | 57       | .32     | .050   | 13.6      | 34.9      | 63      | 206.6     | .053    | 1        | 1.75    | .011    | .07    | .2       | .12       | 51        | .8        | .06       | 5.4       | .03    |
| 74895        | 2.24      | 57.04     | 243.19    | 243.1     | 655       | 27.0      | 15.0      | 835       | 3.20    | 2601.5    | 1.3      | 158.6     | 2.2       | 24.3      | 1.87      | 2.42      | .42       | 52       | .13     | .051   | 16.8      | 26.3      | 37      | 257.6     | .033    | 1        | 1.14    | .009    | .07    | .2       | .09       | 34        | 1.3       | .10       | 4.6       | .04    |
| 74896        | 1.34      | 32.09     | 48.81     | 105.9     | 1000      | 26.4      | 10.6      | 387       | 2.45    | 174.4     | 2.5      | 68.7      | 3.1       | 37.5      | .52       | .86       | .30       | 43       | .35     | .087   | 15.7      | 53.7      | 67      | 194.6     | .047    | 1        | 1.66    | .011    | .09    | .2       | .14       | 87        | 1.6       | .05       | 5.7       | .11    |
| 74897        | 1.70      | 31.11     | 101.58    | 146.5     | 679       | 28.9      | 15.1      | 833       | 2.58    | 379.4     | 1.3      | 96.0      | 5.6       | 38.6      | .48       | .93       | .31       | 50       | .32     | .066   | 16.9      | 54.9      | 74      | 208.1     | .041    | 1        | 1.62    | .010    | .08    | .2       | .11       | 33        | .8        | .06       | 5.6       | .03    |
| 74898        | 1.77      | 19.99     | 23.60     | 66.8      | 174       | 16.1      | 6.9       | 267       | 2.01    | 125.8     | 1.6      | 17.4      | 4.7       | 29.9      | .18       | .61       | .20       | 43       | .24     | .048   | 16.3      | 31.7      | 50      | 134.6     | .072    | 1        | 1.36    | .011    | .07    | .2       | .14       | 77        | .7        | .07       | 5.5       | .05    |
| 74899        | .55       | 18.25     | 19.75     | 48.5      | 168       | 14.3      | 5.2       | 134       | 1.99    | 113.1     | 1.2      | 7.2       | 2.7       | 24.2      | .20       | .38       | .15       | 32       | .24     | .059   | 16.5      | 24.3      | 39      | 118.8     | .051    | 1        | 1.26    | .009    | .05    | .2       | .11       | 47        | .7        | .03       | 4.7       | .06    |
| 74903        | .72       | 19.09     | 11.81     | 47.6      | 342       | 7.3       | 7.5       | 438       | 1.54    | 6.8       | 1.3      | 4.9       | 4         | 76.3      | .31       | .42       | .13       | 18       | .93     | .094   | 6.7       | 14.8      | 22      | 280.2     | .020    | 2        | 1.02    | .012    | .05    | <.2      | .06       | 98        | .7        | .04       | 3.1       | .15    |
| 74904        | .54       | 16.79     | 15.42     | 72.0      | 322       | 11.9      | 7.4       | 339       | 1.84    | 10.2      | 1.2      | 5.8       | 1.4       | 36.1      | .23       | .38       | .14       | 29       | .38     | .063   | 10.1      | 23.5      | 40      | 260.8     | .023    | 1        | 1.52    | .010    | .06    | <.2      | .08       | 71        | .6        | .03       | 5.1       | .06    |
| 74905        | .94       | 16.49     | 14.04     | 62.1      | 97        | 20.5      | 8.3       | 205       | 2.33    | 80.4      | .8       | 18.4      | 2.6       | 18.8      | .17       | .59       | .16       | 57       | .20     | .043   | 12.6      | 38.3      | 57      | 154.0     | .052    | 1        | 1.59    | .011    | .05    | .2       | .10       | 35        | .5        | .04       | 5.2       | .03    |
| 74906        | 1.14      | 16.77     | 16.69     | 48.8      | 161       | 14.8      | 5.1       | 125       | 1.89    | 94.0      | .9       | 5.2       | 1.2       | 18.3      | .13       | .52       | .19       | 47       | .16     | .040   | 10.9      | 30.1      | 43      | 123.7     | .052    | 1        | 1.44    | .010    | .05    | .2       | .10       | 58        | .7        | .05       | 5.4       | .04    |
| 74907        | 1.00      | 16.76     | 22.26     | 62.1      | 130       | 17.1      | 6.7       | 182       | 2.25    | 74.4      | 1.1      | 6.1       | 1.7       | 21.4      | .19       | .61       | .21       | 54       | .19     | .053   | 13.5      | 36.6      | 53      | 174.5     | .051    | 1        | 1.74    | .010    | .05    | .2       | .12       | 56        | .7        | .04       | 6.1       | .03    |
| 74908        | .97       | 13.25     | 14.75     | 54.8      | 87        | 15.0      | 6.6       | 186       | 2.04    | 46.8      | .9       | 3.9       | 2.5       | 21.3      | .13       | .50       | .25       | 48       | .26     | .064   | 12.9      | 32.4      | 50      | 134.8     | .049    | 1        | 1.42    | .009    | .05    | .2       | .10       | 39        | .5        | .03       | 4.7       | .03    |
| 74909        | .81       | 12.27     | 15.41     | 48.2      | 150       | 11.9      | 4.1       | 118       | 1.73    | 94.1      | .8       | 4.0       | 1.2       | 21.5      | .13       | .37       | .16       | 34       | .22     | .052   | 11.7      | 24.6      | 38      | 112.5     | .040    | 1        | 1.13    | .009    | .04    | .2       | .09       | 49        | .7        | .03       | 4.6       | .05    |
| 74910        | .67       | 11.30     | 23.88     | 66.5      | 94        | 13.7      | 7.8       | 453       | 1.94    | 12.4      | .9       | 1.3       | 4.5       | 35.7      | .18       | .39       | .17       | 45       | .39     | .046   | 16.2      | 32.6      | 48      | 159.1     | .037    | 2        | 1.38    | .010    | .06    | .2       | .08       | 46        | .4        | .02       | 5.0       | .02    |
| 74911        | .86       | 18.50     | 27.35     | 85.0      | 135       | 21.7      | 12.9      | 876       | 2.72    | 38.0      | 1.2      | 2.1       | 6.9       | 32.3      | .20       | .64       | .21       | 59       | .36     | .056   | 17.2      | 48.8      | 67      | 259.7     | .056    | 1        | 1.78    | .012    | .07    | <.2      | .12       | 36        | .5        | .03       | 6.1       | .02    |
| 74912        | .76       | 33.72     | 53.22     | 167.1     | 230       | 30.2      | 12.9      | 432       | 2.82    | 117.4     | 1.3      | 7.4       | 4.4       | 68.9      | 1.25      | .89       | .19       | 42       | 1.67    | .071   | 17.3      | 40.6      | 57      | 264.2     | .039    | 2        | 1.56    | .014    | .07    | <.2      | .08       | 54        | .9        | .05       | 4.4       | .12    |
| 74913        | 1.04      | 36.92     | 80.28     | 323.2     | 533       | 31.0      | 8.2       | 652       | 2.11    | 90.4      | 1.7      | 12.7      | 1.4       | 83.1      | 4.22      | .81       | .37       | 32       | 2.13    | .081   | 15.7      | 31.2      | 51      | 248.1     | .028    | 2        | 1.45    | .013    | .05    | <.2      | .08       | 79        | 1.0       | .06       | 3.4       | .14    |
| 74914        | 1.38      | 22.31     | 25.66     | 87.6      | 153       | 29.7      | 11.6      | 386       | 3.59    | 124.6     | .9       | 6.3       | 6.6       | 16.9      | .23       | .84       | .22       | 70       | .16     | .021   | 15.5      | 47.4      | 66      | 160.0     | .074    | 1        | 2.11    | .007    | .09    | <.2      | .12       | 34        | .6        | .04       | 6.6       | .01    |
| 74915        | 1.45      | 13.91     | 21.17     | 41.6      | 151       | 10.6      | 4.6       | 207       | 2.20    | 108.7     | .6       | 2.8       | 2.5       | 13.5      | .21       | .54       | .24       | 67       | .11     | .020   | 13.3      | 23.6      | 29      | 113.2     | .075    | <1       | 1.16    | .008    | .06    | <.2      | .10       | 22        | .4        | .05       | 7.0       | .02    |
| 74916        | 1.23      | 13.67     | 24.85     | 61.2      | 68        | 21.9      | 10.3      | 297       | 3.44    | 18.6      | .7       | 1.1       | 4.3       | 16.1      | .23       | .67       | .40       | 80       | .14     | .034   | 9.7       | 42.3      | 55      | 211.1     | .087    | <1       | 2.55    | .010    | .05    | <.2      | .13       | 38        | .5        | .04       | 6.7       | <.01   |
| RE 74916     | 1.29      | 14.35     | 24.89     | 62.4      | 67        | 22.3      | 10.8      | 304       | 3.54    | 18.8      | .7       | 2.8       | 4.3       | 16.5      | .22       | .70       | .22       | 83       | .15     | .034   | 10.2      | 46.2      | 55      | 212.1     | .089    | 1        | 2.55    | .009    | .05    | .2       | .12       | 44        | .5        | .05       | 6.9       | <.01   |
| 74917        | 2.29      | 17.37     | 22.87     | 69.6      | 111       | 24.2      | 10.3      | 376       | 3.96    | 40.4      | .5       | 4.7       | 3.3       | 11.3      | .37       | .92       | .41       | 103      | .09     | .040   | 9.0       | 90.2      | 66      | 176.4     | .102    | 1        | 2.07    | .008    | .05    | .2       | .12       | 32        | .4        | .05       | 8.7       | .02    |
| 74918        | 2.07      | 29.07     | 28.59     | 100.1     | 1225      | 32.0      | 12.5      | 442       | 3.56    | 290.9     | 1.0      | 20.3      | 4.3       | 20.1      | .45       | 1.10      | .26       | 88       | .15     | .028   | 12.8      | 60.4      | 63      | 622.9     | .054    | 1        | 2.48    | .008    | .06    | .2       | .14       | 54        | .7        | .06       | 7.7       | .02    |
| 74919        | 1.40      | 27.09     | 29.31     | 89.0      | 221       | 32.7      | 15.8      | 614       | 3.20    | 59.1      | 1.1      | 7.9       | 4.5       | 28.3      | .41       | .74       | .18       | 80       | .32     | .036   | 12.2      | 49.0      | 74      | 439.0     | .071    | <1       | 2.23    | .011    | .06    | <.2      | .12       | 23        | .6        | .05       | 6.6       | .02    |
| 74920        | 1.74      | 22.00     | 31.28     | 58.8      | 410       | 17.6      | 30.2      | 3338      | 2.84    | 42.6      | 1.2      | 2.0       | 1.1       | 15.5      | .71       | .63       | .22       | 72       | .13     | .079   | 9.8       | 31.1      | 45      | 191.3     | .058    | <1       | 1.75    | .010    | .06    | .2       | .12       | 53        | .6        | .05       | 6.9       | .03    |
| 74925        | 1.32      | 17.98     | 9.81      | 56.9      | 35        | 14.8      | 7.0       | 414       | 2.49    | 7.0       | 1.0      | 1.4       | 5.1       | 18.8      | .11       | .54       | .18       | 65       | .16     | .031   | 17.3      | 22.3      | 46      | 100.3     | .063    | 1        | 1.40    | .010    | .06    | .2       | .08       | 26        | .5        | .04       | 6.3       | .03    |
| 74926        | 1.77      | 20.86     | 13.29     | 63.1      | 186       | 18.2      | 6.8       | 418       | 2.53    | 7.3       | 2.2      | 2.9       | 3.1       | 38.8      | .22       | .51       | .23       | 59       | .45     | .051   | 29.0      | 27.2      | 43      | 214.0     | .045    | 1        | 1.72    | .010    | .07    | .2       | .08       | 46        | .3        | .05       | 6.2       | .05    |
| 74927        | 1.67      | 18.98     | 23.06     | 48.1      | 39        | 14.5      | 7.9       | 347       | 2.40    | 6.7       | .9       | 1.1       | 5.7       | 19.2      | .09       | .45       | .20       | 59       | .19     | .031   | 16.6      | 25.1      | 46      | 127.4     | .056    | <1       | 1.64    | .008    | .07    | <.2      | .08       | 13        | .4        | .05       | 6.2       | .01    |
| 74928        | .75       | 16.72     | 9.70      | 49.8      | 39        | 14.7      | 5.8       | 174       | 2.33    | 6.6       | .8       | .9        | 1.6       | 15.9      | .12       | .41       | .16       | 56       | .18     | .049   | 13.0      | 28.7      | 48      | 109.1     | .045    | <1       | 1.81    | .008    | .05    | .2       | .09       | 31        | .5        | .02       | 5.8       | .03    |
| 74929        | .73       | 19.87     | 10.29     | 60.8      | 42        | 20.4      | 8.1       | 209       | 2.56    | 6.7       | 1.0      | 1.8       | 4.5       | 17.6      | .09       | .52       | .17       | 60       | .20     | .042   | 13.6      | 31.1      | 56      | 169.5     | .062    | 1        | 1.95    | .010    | .04    | .2       | .08       | 38        | .6        | .04       | 6.0       | .01    |
| 74930        | 1.06      | 11.92     | 9.51      | 52.2      | 47        | 11.7      | 6.4       | 461       | 2.14    | 5.9       | .6       | 2.4       | 2.6       | 19.7      | .12       | .36       | .21       | 60       | .21     | .033   | 13.7      | 21.8      | 39      | 128.7     | .061    | <1       | 1.28    | .008    | .06    | <.2      | .08       | 23        | .3        | .03       | 6.5       | .02    |
| 74931        | 3.74      | 24.09     | 9.34      | 61.5      | 255       | 20.4      | 8.7       | 641       | 2.47    | 6.5       | 5.1      | 3.3       | 6.2       | 76.0      | .25       | .55       | .18       | 53       | 1.30    | .074   | 51.2      | 29.1      | 47      | 284.1     | .042    | 1        | 1.82    | .016    | .09    | .2       | .09       | 83        | .5        | .05       | 5.4       | .10    |
| 74932        | 1.91      | 17.77     | 9.94      | 62.7      | 149       | 15.8      | 8.1       | 429       | 2.55    | 6.9       | 1.4      | 2.5       | 4.3       | 72.9      | .16       | .47       | .17       | 54       | 1.00    | .063   | 17.3      | 31.4      | 49      | 480.9     | .024    | 1        | 1.77    | .013    | .08    | .2       | .09       | 45        | .3        | .04       | 5.8       | .07    |
| 74933        | .76       | 28.68     | 62.37     | 332.2     | 281       | 26.8      | 11.2      | 454       | 2.74    | 107.1     | 1.0      | 14.8      | 3.4       | 47.2      | 2.41      | 1.26      | .30       | 50       | 1.20    | .067   | 14.3      | 26.3      | 53      | 205.3     | .040    | 2        | 1.32    | .017    | .06    | .3       | .06       | 45        | .8        | .06       | 3.9       | .06    |
| STANDARD DS2 | 14.55     | 136.53    | 34.31     | 175.3     | 287       | 39.0      | 13.0      | 866       | 3.37    | 68.0      | 21.9     | 204.1     | 3.5       | 36.3      | 11.49     | 9.94      | 11.32     | 85       | .57     | .086   | 14.0      | 183.5     | 65      | 155.2     | .119    | 2        | 1.88    | .034    | .17    | 7.3      | 1.89      | 242       | 2.4       | 1.89      | 6.2       | .03    |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P. 11/12

604 253 1716 TO 6813920

AUG 24 '99 17:18 FR ACME LABS



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % ppm | B % | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|-----|------|------|-----|-------|--------|--------|--------|--------|--------|------|
| 74934        | 1.20   | 17.23  | 10.89  | 71.5   | 266    | 23.1   | 8.4    | 275    | 2.47 | 108.7  | .8    | 7.6    | 3.9    | 19.1   | .14    | .70    | .23    | 41    | .22  | .055 | 17.4   | 34.2   | .52  | 142.9  | .041     | 2   | 1.60 | .011 | .08 | .2    | .13    | 49     | .7     | .04    | 5.0    | .03  |
| 74936        | 3.21   | 40.61  | 18.42  | 89.6   | 453    | 29.8   | 11.2   | 511    | 3.07 | 766.6  | 1.3   | 45.4   | 2.5    | 29.7   | .34    | 1.79   | .30    | 62    | .21  | .060 | 14.1   | 31.9   | .49  | 305.6  | .048     | 1   | 1.47 | .011 | .08 | .2    | .09    | 50     | 1.0    | .07    | 5.2    | .05  |
| 74937        | .91    | 22.67  | 8.16   | 20.0   | 103    | 8.6    | 2.1    | 41     | .97  | 99.7   | .7    | 8.0    | <.1    | 12.0   | .86    | .36    | .17    | 27    | .05  | .044 | 6.5    | 11.5   | .04  | 132.4  | .013     | 1   | .52  | .015 | .04 | <.2   | .06    | 49     | .5     | .04    | 3.0    | .04  |
| 74938        | 1.09   | 20.14  | 12.01  | 29.4   | 710    | 8.6    | 3.4    | 81     | 1.35 | 502.1  | .6    | 42.2   | .4     | 16.5   | .39    | .91    | .15    | 32    | .06  | .031 | 6.8    | 11.4   | .07  | 113.6  | .031     | <1  | .63  | .012 | .05 | <.2   | .06    | 50     | .5     | .04    | 3.4    | .05  |
| 74939        | .85    | 14.72  | 21.17  | 38.5   | 398    | 7.9    | 3.4    | 88     | 1.17 | 357.3  | .3    | 20.6   | <.1    | 11.9   | .35    | .60    | .24    | 30    | .09  | .051 | 5.4    | 12.8   | .08  | 160.9  | .013     | 1   | .52  | .011 | .04 | <.2   | .06    | 50     | .5     | .04    | 2.8    | .05  |
| 74940        | 1.60   | 26.70  | 36.19  | 67.3   | 107    | 23.8   | 7.9    | 247    | 2.87 | 369.4  | .9    | 21.2   | .9     | 16.6   | .30    | .94    | .23    | 73    | .14  | .032 | 10.8   | 36.5   | .45  | 692.6  | .049     | 1   | 1.78 | .010 | .05 | .2    | .10    | 27     | .7     | .05    | 7.1    | .02  |
| 74941        | 2.06   | 30.00  | 44.84  | 85.3   | 422    | 25.5   | 8.5    | 297    | 3.03 | 739.2  | 1.2   | 50.4   | 3.3    | 23.1   | .47    | 1.08   | .27    | 61    | .23  | .061 | 20.4   | 34.5   | .50  | 541.8  | .049     | 1   | 1.85 | .012 | .10 | .2    | .14    | 23     | .7     | .06    | 7.0    | .02  |
| 74942        | 1.64   | 24.44  | 13.01  | 72.6   | 217    | 25.0   | 9.1    | 289    | 2.62 | 128.2  | 1.1   | 7.7    | 3.7    | 30.2   | .25    | .70    | .20    | 68    | .32  | .050 | 16.9   | 44.2   | .64  | 544.6  | .073     | 1   | 1.84 | .012 | .08 | .2    | .12    | 31     | .6     | .04    | 6.6    | .03  |
| 74943        | 1.12   | 18.80  | 15.65  | 47.0   | 263    | 15.7   | 6.2    | 191    | 2.32 | 39.6   | .5    | 5.7    | 2.9    | 17.7   | .19    | .61    | .19    | 63    | .16  | .019 | 12.2   | 26.9   | .40  | 178.2  | .061     | <1  | 1.78 | .012 | .06 | <.2   | .09    | 21     | .4     | .04    | 6.7    | .01  |
| 74944        | 1.91   | 40.83  | 26.70  | 107.2  | 705    | 37.1   | 16.7   | 822    | 3.96 | 206.2  | 1.1   | 28.0   | 3.3    | 18.2   | .57    | .98    | .28    | 89    | .14  | .053 | 11.4   | 55.2   | .66  | 341.6  | .061     | 1   | 3.14 | .014 | .10 | .2    | .14    | 61     | .6     | .06    | 9.4    | .02  |
| 74945        | 1.42   | 31.13  | 50.31  | 110.1  | 332    | 29.1   | 10.3   | 327    | 3.20 | 119.2  | .8    | 13.1   | 3.2    | 18.5   | .54    | .94    | .26    | 83    | .16  | .038 | 13.4   | 42.8   | .72  | 209.8  | .076     | 1   | 2.26 | .012 | .08 | .2    | .12    | 31     | .5     | .05    | 7.7    | .02  |
| 74946        | 1.16   | 20.87  | 33.44  | 76.8   | 217    | 24.7   | 11.0   | 388    | 3.00 | 35.8   | .6    | 6.3    | 3.9    | 16.5   | .31    | .63    | .20    | 83    | .19  | .018 | 11.3   | 38.3   | .57  | 191.5  | .095     | <1  | 2.42 | .012 | .05 | <.2   | .13    | 34     | .5     | .04    | 7.3    | .01  |
| 74947        | .68    | 24.10  | 10.87  | 58.3   | 96     | 23.0   | 10.9   | 303    | 2.69 | 29.6   | .4    | 1.0    | 2.6    | 21.3   | .11    | .52    | .45    | 78    | .29  | .023 | 8.7    | 35.3   | .65  | 208.5  | .091     | 1   | 2.13 | .014 | .05 | <.2   | .14    | 18     | .3     | .05    | 6.7    | <.01 |
| 74948        | .48    | 32.69  | 10.26  | 67.6   | 126    | 30.6   | 12.5   | 584    | 2.83 | 15.3   | .5    | 3.6    | 3.8    | 47.5   | .21    | .89    | .23    | 69    | 1.18 | .066 | 13.9   | 34.9   | .72  | 291.2  | .090     | 2   | 1.84 | .030 | .07 | .2    | .07    | 42     | .4     | .05    | 5.5    | .02  |
| 75400        | .83    | 14.62  | 18.88  | 62.3   | 109    | 15.2   | 6.6    | 191    | 2.24 | 83.7   | 1.2   | 7.7    | 4.9    | 19.8   | .16    | .42    | .22    | 55    | .25  | .054 | 18.6   | 34.1   | .51  | 105.0  | .071     | 1   | 1.53 | .010 | .09 | .2    | .16    | 37     | .6     | .03    | 5.8    | .02  |
| 75401        | 3.07   | 48.79  | 21.69  | 117.9  | 269    | 33.5   | 11.8   | 461    | 4.21 | 42.5   | 2.6   | 4.5    | 8.0    | 43.4   | .29    | 1.19   | .35    | 89    | .14  | .088 | 17.0   | 61.4   | .84  | 150.0  | .084     | 1   | 1.83 | .012 | .16 | .2    | .16    | 42     | 1.6    | .12    | 7.5    | .10  |
| 75402        | .73    | 14.31  | 10.13  | 55.5   | 77     | 17.5   | 7.9    | 251    | 2.57 | 18.3   | .6    | 4.6    | 3.9    | 23.4   | .14    | .50    | .18    | 68    | .31  | .031 | 12.4   | 29.3   | .55  | 263.4  | .083     | 1   | 1.81 | .012 | .07 | .2    | .08    | 21     | .3     | .02    | 5.7    | <.01 |
| RE 75402     | .74    | 14.54  | 10.47  | 53.1   | 64     | 16.0   | 7.9    | 242    | 2.46 | 19.3   | .6    | 3.8    | 4.0    | 24.1   | .14    | .52    | .18    | 64    | .29  | .030 | 12.7   | 30.1   | .56  | 272.9  | .085     | 1   | 1.86 | .013 | .07 | .2    | .08    | 20     | .3     | <.02   | 5.9    | <.01 |
| 75403        | .42    | 30.95  | 14.72  | 82.8   | 127    | 24.4   | 10.2   | 408    | 2.25 | 25.6   | 1.1   | 5.4    | 1.7    | 65.4   | .54    | .67    | .19    | 53    | 1.71 | .048 | 10.1   | 29.1   | .60  | 243.3  | .062     | 3   | 1.52 | .025 | .06 | <.2   | .06    | 43     | .9     | .03    | 4.5    | .04  |
| 75404        | 1.43   | 37.78  | 14.09  | 94.2   | 719    | 35.5   | 11.1   | 480    | 3.06 | 105.3  | 1.9   | 15.8   | 5.6    | 31.9   | .32    | 1.01   | .22    | 76    | .48  | .051 | 21.2   | 50.0   | .79  | 536.1  | .064     | 1   | 2.07 | .013 | .11 | <.2   | .14    | 37     | .7     | .05    | 6.5    | .01  |
| 75405        | 1.97   | 33.85  | 13.27  | 93.1   | 177    | 43.0   | 15.7   | 458    | 3.04 | 73.2   | 1.1   | 2.4    | 3.3    | 29.3   | .60    | 1.01   | .22    | 85    | .26  | .052 | 12.9   | 77.3   | .79  | 1453.1 | .103     | 1   | 2.04 | .015 | .11 | .2    | .13    | 22     | .7     | .05    | 7.3    | .02  |
| 75406        | .73    | 13.23  | 8.49   | 46.3   | 152    | 15.5   | 8.4    | 345    | 2.62 | 4.6    | .6    | 1.1    | 3.1    | 19.3   | .11    | .45    | .15    | 65    | .24  | .022 | 11.8   | 24.5   | .50  | 196.7  | .063     | 1   | 1.56 | .011 | .18 | <.2   | .09    | 22     | .2     | .02    | 6.2    | .02  |
| 75407        | .84    | 17.75  | 11.90  | 79.2   | 88     | 25.8   | 10.2   | 502    | 3.04 | 8.3    | .5    | .5     | 4.0    | 21.0   | .22    | .68    | .17    | 76    | .18  | .024 | 8.7    | 48.2   | .64  | 204.9  | .097     | 1   | 2.09 | .009 | .08 | <.2   | .09    | 14     | .3     | .03    | 7.2    | <.01 |
| 75408        | .64    | 13.62  | 5.66   | 37.2   | 180    | 17.5   | 10.3   | 268    | 2.20 | 3.7    | .2    | 1.4    | 1.4    | 20.2   | .16    | .42    | .14    | 76    | .35  | .024 | 4.7    | 30.5   | .68  | 225.0  | .118     | 1   | 1.46 | .028 | .07 | <.2   | .09    | 17     | .1     | .03    | 5.4    | .01  |
| 75409        | .59    | 7.63   | 5.42   | 38.8   | 25     | 18.6   | 11.9   | 366    | 2.30 | 3.3    | .2    | <.2    | 1.5    | 13.9   | .10    | .42    | .12    | 83    | .34  | .013 | 5.4    | 41.2   | .91  | 131.8  | .147     | 1   | 1.70 | .036 | .08 | <.2   | .08    | 16     | .2     | .02    | 5.6    | <.01 |
| 75410        | .50    | 48.80  | 4.91   | 46.0   | 61     | 30.0   | 22.5   | 356    | 3.31 | 3.2    | .2    | .5     | 1.0    | 17.7   | .11    | .42    | .08    | 161   | .47  | .017 | 3.5    | 30.9   | 2.22 | 157.0  | .275     | 1   | 2.22 | .039 | .21 | <.2   | .15    | 18     | .2     | <.02   | 7.2    | <.01 |
| 75411        | .62    | 15.32  | 8.27   | 54.9   | 40     | 14.3   | 10.3   | 466    | 2.78 | 5.3    | .7    | <.2    | 5.0    | 19.4   | .09    | 1.20   | .13    | 67    | .28  | .037 | 14.7   | 20.1   | .55  | 231.5  | .062     | 2   | 1.65 | .012 | .13 | <.2   | .10    | 16     | .3     | .02    | 5.9    | .02  |
| 75412        | 1.11   | 13.52  | 10.61  | 49.2   | 91     | 15.5   | 9.4    | 372    | 2.94 | 6.5    | .5    | 1.5    | 3.5    | 20.4   | .10    | .55    | .19    | 87    | .22  | .016 | 10.1   | 32.3   | .51  | 185.7  | .074     | 1   | 1.93 | .012 | .08 | <.2   | .09    | 17     | .3     | .03    | 8.0    | <.01 |
| 75600        | .45    | 26.00  | 19.18  | 108.2  | 318    | 30.8   | 8.5    | 221    | 2.12 | 27.6   | 1.3   | 14.5   | 4.0    | 48.0   | .40    | .84    | .20    | 49    | 1.40 | .053 | 15.0   | 36.5   | 1.17 | 141.6  | .054     | 2   | 1.84 | .017 | .06 | .3    | .08    | 47     | .7     | .03    | 5.2    | .05  |
| 75601        | 1.29   | 39.44  | 8.68   | 85.3   | 384    | 48.3   | 14.5   | 464    | 3.18 | 188.2  | 1.0   | 24.6   | 3.4    | 43.3   | .26    | .75    | .19    | 67    | .68  | .104 | 15.5   | 49.0   | .74  | 355.0  | .056     | 1   | 1.75 | .013 | .08 | .2    | .09    | 33     | .6     | .05    | 5.7    | .03  |
| 75602        | 1.03   | 22.82  | 9.98   | 63.5   | 17     | 28.7   | 12.3   | 407    | 3.38 | 134.8  | .6    | 21.2   | 4.3    | 15.6   | .16    | .77    | .16    | 75    | .17  | .029 | 9.4    | 38.0   | .61  | 206.2  | .090     | 1   | 2.23 | .012 | .06 | .2    | .08    | 25     | .6     | .04    | 5.5    | <.01 |
| 75603        | 1.77   | 35.71  | 19.31  | 54.0   | 301    | 21.2   | 11.1   | 461    | 2.93 | 750.2  | 1.3   | 192.5  | 1.5    | 16.1   | .25    | .80    | .26    | 54    | .16  | .044 | 18.5   | 25.6   | .38  | 107.7  | .037     | 1   | 1.64 | .008 | .06 | <.2   | .11    | 30     | .7     | .05    | 6.1    | .01  |
| 75604        | 1.16   | 18.41  | 67.75  | 66.4   | 292    | 15.0   | 5.3    | 178    | 2.17 | 353.3  | .7    | 87.5   | 4.8    | 13.3   | .17    | .56    | .20    | 55    | .15  | .023 | 15.2   | 27.1   | .40  | 100.7  | .057     | 1   | 1.53 | .009 | .05 | <.2   | .10    | 24     | .4     | .03    | 5.6    | .02  |
| 75605        | 1.81   | 32.38  | 69.97  | 241.3  | 299    | 27.2   | 9.0    | 347    | 3.11 | 424.6  | .9    | 93.9   | 5.1    | 17.3   | .86    | .82    | .21    | 74    | .23  | .042 | 12.4   | 41.8   | .69  | 140.4  | .071     | 1   | 2.05 | .010 | .06 | .2    | .13    | 33     | .6     | .05    | 6.6    | .02  |
| STANDARD DS2 | 14.10  | 138.12 | 31.64  | 176.3  | 265    | 38.8   | 13.2   | 863    | 3.36 | 68.7   | 22.3  | 208.7  | 3.8    | 31.5   | 11.62  | 10.32  | 11.87  | 86    | .58  | .086 | 14.4   | 182.5  | .65  | 154.0  | .119     | 2   | 1.87 | .033 | .18 | 7.8   | 2.02   | 250    | 2.8    | 1.94   | 6.4    | .02  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Phelps Dodge Corp. PROJECT 242 FILE # 9902946



| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Mn ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % ppm | B % | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|----------|-----|------|------|-----|-------|--------|--------|--------|--------|--------|------|
| 75606        | 2.33   | 22.89  | 40.78  | 107.1  | 236    | 20.9   | 7.3    | 286    | 2.56 | 151.2  | 7     | 93.7   | 3.4    | 13.4   | .74    | .66    | .27    | 81    | .15  | .033 | 10.0   | 35.4   | 47   | 89.9   | .082     | 2   | 1.34 | .009 | .05 | .2    | .10    | 29     | .5     | .06    | 6.7    | <.01 |
| 75607        | 2.04   | 40.57  | 37.74  | 116.9  | 510    | 27.3   | 9.0    | 325    | 2.58 | 590.7  | 1.5   | 130.9  | 4.3    | 60.8   | .80    | .82    | .24    | 52    | .82  | .051 | 15.0   | 36.6   | .56  | 147.0  | .047     | 2   | 1.22 | .011 | .08 | .2    | .09    | 28     | .9     | .08    | 5.2    | .06  |
| 75608        | 1.89   | 15.78  | 11.52  | 81.3   | 52     | 17.4   | 25.3   | 2107   | 3.08 | 11.2   | .8    | 6.9    | 4.6    | 18.4   | .19    | .45    | .26    | 81    | .23  | .050 | 11.0   | 22.0   | .55  | 161.2  | .052     | 1   | 1.51 | .010 | .06 | .2    | .09    | 18     | .4     | .04    | 6.8    | <.01 |
| 75609        | 1.39   | 15.67  | 8.80   | 70.5   | 69     | 17.9   | 9.1    | 468    | 2.53 | 5.4    | 1.1   | 3.6    | 8.2    | 17.3   | .13    | .37    | .19    | 64    | .21  | .049 | 16.2   | 29.6   | .57  | 139.3  | .055     | 1   | 1.52 | .011 | .06 | .2    | .08    | 23     | .4     | .05    | 6.3    | <.01 |
| 75610        | 1.45   | 13.30  | 5.21   | 40.1   | 56     | 9.6    | 2.7    | 131    | 1.09 | 2.9    | .4    | 1.2    | .1     | 8.8    | .25    | .25    | .14    | 56    | .07  | .034 | 5.1    | 16.3   | .11  | 49.7   | .040     | 1   | .56  | .012 | .03 | <.2   | .05    | 29     | .3     | .02    | 3.5    | .01  |
| 75611        | 2.51   | 17.06  | 11.80  | 68.1   | 164    | 18.9   | 7.2    | 293    | 2.23 | 6.8    | 1.2   | 2.9    | 5.4    | 15.8   | .12    | .40    | .23    | 67    | .14  | .042 | 12.0   | 30.9   | .42  | 130.0  | .038     | 1   | 1.66 | .010 | .06 | .2    | .09    | 50     | .5     | .03    | 6.1    | .02  |
| 75612        | 2.36   | 16.00  | 9.55   | 58.1   | 93     | 20.3   | 9.7    | 366    | 2.75 | 10.2   | .6    | 2.5    | 4.4    | 10.7   | .28    | .59    | .20    | 76    | .14  | .047 | 7.9    | 29.1   | .44  | 80.0   | .085     | 1   | 1.49 | .010 | .05 | .3    | .06    | 46     | .5     | .05    | 5.7    | .02  |
| 75613        | 2.09   | 13.92  | 10.25  | 45.5   | 47     | 12.7   | 5.0    | 215    | 2.60 | 8.8    | .5    | 5.2    | 2.6    | 7.7    | .28    | .71    | .24    | 99    | .07  | .030 | 6.7    | 24.2   | .20  | 88.0   | .093     | 1   | 1.33 | .010 | .03 | .2    | .08    | 37     | .4     | .07    | 7.6    | .01  |
| 75614        | 1.78   | 13.48  | 10.48  | 55.0   | 33     | 19.3   | 7.7    | 310    | 3.19 | 10.9   | .5    | 1.9    | 2.8    | 10.2   | .17    | .74    | .22    | 84    | .10  | .038 | 6.6    | 28.5   | .37  | 129.3  | .052     | 1   | 2.17 | .009 | .04 | .2    | .09    | 32     | .4     | .07    | 7.3    | <.01 |
| 75615        | .90    | 16.22  | 9.55   | 60.6   | 28     | 23.6   | 11.0   | 319    | 2.89 | 10.2   | .8    | 2.2    | 7.4    | 13.2   | .18    | .55    | .18    | 59    | .14  | .047 | 8.5    | 32.6   | .47  | 152.0  | .056     | 1   | 2.55 | .011 | .04 | .2    | .08    | 37     | .5     | .05    | 5.1    | <.01 |
| 75616        | 30.62  | 14.96  | 12.99  | 52.1   | 66     | 19.3   | 7.6    | 247    | 2.61 | 9.4    | .9    | 1.1    | 2.0    | 13.1   | .13    | .62    | .27    | 75    | .13  | .037 | 10.1   | 28.9   | .46  | 150.0  | .058     | 1   | 1.73 | .010 | .05 | .2    | .08    | 40     | .4     | .07    | 6.3    | .01  |
| 75617        | 6.22   | 14.89  | 9.73   | 58.6   | 27     | 19.2   | 6.6    | 263    | 2.95 | 10.1   | .8    | 2.2    | 4.4    | 10.3   | .16    | .72    | .28    | 85    | .09  | .027 | 10.7   | 30.2   | .49  | 116.0  | .067     | 1   | 1.69 | .009 | .05 | .2    | .09    | 19     | .3     | .05    | 7.0    | .01  |
| 75618        | .97    | 26.03  | 12.31  | 69.9   | 192    | 19.6   | 8.4    | 467    | 2.49 | 10.5   | 1.4   | 3.3    | 2.9    | 63.3   | .32    | .62    | .35    | 48    | .98  | .059 | 13.7   | 26.4   | .44  | 702.9  | .023     | 3   | 1.56 | .012 | .09 | .2    | .09    | 59     | .5     | .06    | 4.7    | .05  |
| 75619        | .68    | 23.74  | 11.68  | 63.1   | 69     | 25.2   | 10.6   | 638    | 2.68 | 11.4   | .6    | 2.1    | 1.8    | 33.9   | .30    | .60    | .24    | 60    | .93  | .029 | 8.9    | 28.8   | .50  | 284.1  | .032     | 1   | 1.54 | .018 | .04 | .2    | .07    | 38     | .5     | .04    | 4.8    | .01  |
| 75620        | .88    | 35.35  | 40.23  | 132.5  | 357    | 29.6   | 9.8    | 454    | 2.50 | 127.1  | 1.3   | 17.5   | 3.9    | 28.6   | 1.16   | .93    | .55    | 53    | .69  | .035 | 14.1   | 31.6   | .49  | 342.6  | .034     | <1  | 1.54 | .012 | .05 | .2    | .12    | 43     | .3     | .06    | 4.6    | <.01 |
| 75621        | .88    | 27.52  | 10.96  | 56.6   | 129    | 53.2   | 15.2   | 822    | 1.84 | 8.8    | .5    | 1.2    | 2.7    | 15.0   | .34    | .36    | .24    | 76    | .13  | .028 | 5.3    | 466.4  | .59  | 189.2  | .145     | 1   | 1.03 | .014 | .07 | .2    | .14    | 18     | .2     | .05    | 6.4    | <.01 |
| RE 75621     | .86    | 25.83  | 11.07  | 56.1   | 128    | 53.3   | 15.3   | 823    | 1.86 | 8.5    | .5    | .9     | 2.5    | 15.3   | .36    | .35    | .23    | 77    | .14  | .028 | 5.4    | 482.8  | .60  | 193.3  | .149     | 1   | 1.06 | .015 | .07 | .2    | .14    | 16     | .2     | .05    | 6.4    | <.01 |
| 75622        | 1.60   | 26.11  | 17.07  | 72.0   | 162    | 26.3   | 18.5   | 737    | 2.84 | 77.4   | .8    | 2.7    | 6.8    | 11.7   | .37    | .91    | .23    | 70    | .08  | .021 | 13.1   | 45.9   | .60  | 291.3  | .051     | 1   | 1.99 | .011 | .05 | .2    | .14    | 28     | .5     | .07    | 6.2    | <.01 |
| 75623        | 1.13   | 21.23  | 15.52  | 68.0   | 240    | 25.9   | 8.6    | 389    | 2.59 | 50.1   | .6    | 6.1    | 4.8    | 13.9   | .33    | .68    | .21    | 70    | .13  | .024 | 10.3   | 62.4   | .62  | 238.8  | .064     | 1   | 1.70 | .011 | .05 | .2    | .09    | 28     | .3     | .04    | 5.8    | <.01 |
| 75624        | 1.04   | 26.50  | 13.56  | 62.9   | 170    | 24.9   | 14.1   | 600    | 2.59 | 51.7   | 1.3   | 12.7   | 4.5    | 32.2   | .20    | .65    | .20    | 57    | .41  | .045 | 14.2   | 38.0   | .59  | 255.9  | .056     | <1  | 1.67 | .012 | .05 | .2    | .08    | 47     | .7     | .04    | 5.2    | <.01 |
| 75625        | .98    | 25.71  | 19.30  | 67.7   | 134    | 24.1   | 10.3   | 368    | 2.47 | 48.3   | .9    | 8.7    | 4.1    | 26.3   | .21    | .61    | .20    | 61    | .32  | .041 | 12.2   | 38.0   | .60  | 258.1  | .068     | <1  | 1.66 | .011 | .04 | .2    | .07    | 27     | .5     | .06    | 5.1    | <.01 |
| 75626        | 1.06   | 23.39  | 13.13  | 60.0   | 195    | 22.7   | 9.4    | 344    | 2.54 | 50.8   | .8    | 19.4   | 2.7    | 19.1   | .20    | .60    | .21    | 64    | .26  | .034 | 11.1   | 37.6   | .60  | 211.1  | .056     | <1  | 1.69 | .011 | .05 | .2    | .07    | 33     | .5     | .05    | 5.2    | <.01 |
| 75627        | 1.18   | 23.88  | 10.67  | 55.8   | 126    | 21.7   | 9.4    | 322    | 2.61 | 35.9   | .7    | 16.4   | 3.0    | 21.4   | .15    | .60    | .19    | 71    | .35  | .024 | 8.9    | 38.1   | .59  | 166.8  | .053     | <1  | 1.74 | .012 | .04 | .2    | .10    | 26     | .4     | .04    | 5.6    | <.01 |
| 75628        | .63    | 24.78  | 74.36  | 166.5  | 205    | 22.0   | 9.2    | 375    | 2.14 | 52.9   | .8    | 4.5    | 1.5    | 42.7   | 1.34   | .58    | .20    | 48    | 1.26 | .046 | 8.6    | 28.5   | .46  | 184.3  | .038     | 1   | 1.27 | .014 | .04 | <.2   | .06    | 47     | .7     | .04    | 4.0    | .04  |
| 75629        | .50    | 26.90  | 11.33  | 55.8   | 98     | 25.3   | 10.0   | 559    | 2.36 | 18.4   | .6    | 3.3    | 2.2    | 36.5   | .27    | .62    | .16    | 54    | 1.11 | .057 | 9.9    | 24.7   | .47  | 206.5  | .047     | 1   | 1.21 | .018 | .04 | .3    | .05    | 37     | .5     | .03    | 3.9    | .02  |
| 75630        | .57    | 15.28  | 21.64  | 55.2   | 71     | 19.2   | 8.0    | 451    | 2.23 | 8.8    | .6    | 1.7    | 2.9    | 37.3   | .15    | .37    | .17    | 53    | .86  | .027 | 11.8   | 24.1   | .46  | 320.6  | .016     | 1   | 1.77 | .012 | .04 | <.2   | .09    | 28     | .4     | .05    | 5.6    | <.01 |
| STANDARD DS2 | 13.90  | 132.45 | 30.36  | 170.1  | 248    | 37.6   | 12.8   | 845    | 3.26 | 65.3   | 21.6  | 193.8  | 3.7    | 31.1   | 11.69  | 10.42  | 11.25  | 84    | .56  | .085 | 14.7   | 175.5  | .63  | 148.9  | .116     | 2   | 1.85 | .041 | .16 | 7.8   | 2.02   | 257    | 2.5    | 1.84   | 6.0    | .02  |

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data

P. 05/06

604 253 1716 TO 6813920

AUG 27 '99 11:53 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD. (12) 002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6P 1R6

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 242 File # 9902948 Page 1  
1409 - 409 Granville St., Vancouver BC V6T 1T2 submitted by: Rob Cameron

Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Tl, B, Al, Na, K, W, Tl, Hg, Se, Te, Ga, S. Rows include sample numbers 71989 through 74852 and a STANDARD row.

Standard is STANDARD DS2.  
15 GRAM SAMPLE IS DIGESTED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML WITH WATER, ANALYSIS BY ICP/ES & MS.  
THIS LEACH IS PARTIAL FOR NH FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL.  
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Recons and 'RRE' are Relect Recons.

DATE RECEIVED: AUG 16 1999 DATE REPORT MAILED: Aug 27/99 SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data FA

P. 06/06

604 253 1716 TO 6813920

AUG 27 '99 11:54 FR ACME LABS



Phelps Dodge Corp. PROJECT 2-2 FILE # 9902948



| SAMPLE#      | Hg    | Cu     | Pb      | Zn     | Ag      | As   | Co   | Mn   | Fe   | Sr      | U    | Mo    | Th   | Sr    | Cd    | Sb    | Bi     | Y    | Ca   | P     | Li    | Cr    | Hg   | Ba    | Ti    | B    | Al   | Ni   | K    | Si   | Tl   | Hg  | Se   | Te   | Ga  | S    |     |      |
|--------------|-------|--------|---------|--------|---------|------|------|------|------|---------|------|-------|------|-------|-------|-------|--------|------|------|-------|-------|-------|------|-------|-------|------|------|------|------|------|------|-----|------|------|-----|------|-----|------|
|              | ppm   | ppm    | ppm     | ppm    | ppm     | ppm  | ppm  | ppm  | ppm  | ppm     | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm    | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | ppm   | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  |     |      |
| 74853        | 2.27  | 5.19   | 77.56   | 43.2   | 49      | 6.1  | 4.3  | 488  | 1.40 | 3.9     | 2.3  | 7     | 27.6 | 31.0  | .17   | .26   | .21    | 9    | .43  | 055   | 39.1  | 23.4  | .47  | 157.0 | .013  | 1    | .88  | .030 | .29  | 6.9  | .15  | 13  | .6   | .12  | 4.0 | .01  |     |      |
| 74854        | 5.87  | 9.99   | 101.20  | 27.2   | 171     | 14.1 | 2.9  | 414  | .68  | 88.3    | .3   | 3.6   | .3   | 18.3  | .10   | .35   | .06    | 2    | .81  | .010  | 5     | 42.3  | .01  | 137.8 | .001  | 1    | .06  | .006 | .05  | 17.2 | .02  | 20  | .7   | .07  | .3  | .05  |     |      |
| 74855        | 2.91  | 12.95  | 6.15    | 21.4   | .33     | 8.5  | 2.4  | 162  | .78  | 66.5    | .4   | .8    | 3.5  | 3.5   | .10   | .45   | .05    | 7    | .05  | .018  | 10.1  | 28.0  | .08  | 92.4  | .004  | 1    | .24  | .010 | .06  | 13.3 | .02  | 12  | .4   | .06  | .5  | .01  |     |      |
| 74885        | 2.64  | 13.24  | 1750.21 | 5034.0 | 3913    | 9.4  | 1.4  | 1529 | 2.74 | 28.9    | 6    | 8.8   | .4   | 427.0 | 63.82 | 2.27  | .08    | 18   | 7.87 | .021  | 2.3   | 19.3  | 2.83 | 37.9  | .003  | 1    | .16  | .006 | .03  | 5.3  | .02  | 180 | 4.6  | .63  | .9  | .28  |     |      |
| 74886        | .91   | 12.70  | 3100    | 93     | 17319.5 | 8896 | 5.4  | 1.3  | 2424 | 4.30    | 22.7 | 8     | 12.3 | .4    | 762   | 1     | 202.03 | 5.08 | .54  | 14    | 15.13 | .045  | 4.1  | 5.8   | 4.90  | 91.1 | .003 | 1    | .17  | .011 | .06  | 2.0 | .05  | 610  | 7.7 | 1.95 | 1.0 | 1.13 |
| 74900        | 1.34  | 6.14   | 51.36   | 278.1  | 161     | 8.7  | 5    | .3   | 54   | 746.5   | <1   | 9.5   | <1   | 7.0   | 3.12  | .49   | .04    | <2   | .09  | .001  | <5    | 36.8  | .03  | 6.4   | .001  | <1   | <.01 | .002 | <.01 | 15.5 | <.02 | 20  | 1.0  | .04  | .1  | .05  |     |      |
| 74901        | 3.07  | 5.25   | 16.84   | 70.2   | 286     | 3.7  | .4   | 67   | .76  | 5054.4  | <1   | 178.6 | <1   | 7.5   | .92   | 2.19  | .36    | <2   | .05  | <.001 | <5    | 24.1  | .02  | 20.6  | .001  | <1   | .01  | .002 | .01  | 17.2 | .04  | 18  | 4.3  | .13  | .1  | .15  |     |      |
| 74902        | 5.30  | 52.27  | 9.66    | 32.7   | 130     | 18.0 | 5.1  | 3501 | 1.07 | 67.3    | .3   | 2.7   | .9   | 12.5  | .42   | .37   | .09    | 5    | .02  | .009  | 4.5   | 34.0  | .08  | 265.3 | .002  | 1    | .26  | .002 | .07  | 13.4 | .04  | 15  | 1.3  | .20  | .8  | <.01 |     |      |
| RE 74957     | 5.78  | 52.31  | 10.32   | 31.3   | 136     | 19.1 | 8.6  | 3609 | 1.06 | 65.4    | .3   | 2     | 1.0  | 13.2  | .45   | .38   | .08    | 5    | .02  | .008  | 4.8   | 35.9  | .09  | 282.6 | .002  | 1    | .28  | .002 | .06  | 14.0 | .04  | 17  | 1.1  | .18  | .9  | <.01 |     |      |
| 74921        | 3.41  | 7.05   | 5.04    | 16.5   | 190     | 5.4  | 1.9  | 481  | 1.36 | 2952.2  | .2   | 71.3  | .1   | 88.7  | .35   | 1.38  | .05    | <2   | .78  | .002  | .7    | 32.9  | .29  | 126.3 | .001  | <1   | .04  | .003 | .01  | 18.1 | <.02 | 28  | 2.7  | .15  | .2  | .09  |     |      |
| 74922        | 5.66  | 18.84  | 5.76    | 24.4   | 96      | 17.6 | 3.7  | 614  | 1.14 | 67.5    | .3   | <2    | .6   | 3.3   | .23   | .24   | .03    | 5    | .04  | .011  | 2.0   | 41.5  | .12  | 66.4  | .002  | 2    | .27  | .003 | .08  | 15.9 | .02  | 13  | 1.7  | .18  | .6  | <.01 |     |      |
| 74923        | 3.49  | 10.28  | 2.71    | 8.3    | 31      | 5.2  | 1.9  | 200  | .81  | 19.8    | .3   | .4    | <2   | 1.9   | .15   | .16   | <.02   | <2   | .02  | .006  | .6    | 33.8  | .02  | 22.8  | .001  | 1    | .09  | .002 | .05  | 18.4 | .02  | 15  | 1.4  | .07  | .3  | <.01 |     |      |
| 74924        | 5.46  | 10.64  | 12.52   | 4.5    | 685     | 14.8 | 3.4  | 78   | 3.12 | 70644.2 | .2   | 723.8 | <1   | 32.5  | .07   | 12.21 | .67    | <2   | .02  | .003  | <5    | 48.7  | .01  | 25.9  | <.001 | <1   | .04  | .001 | .02  | 17.1 | <.02 | 23  | 14.3 | .44  | .2  | 1.45 |     |      |
| 74946        | 1.81  | 2.73   | 5.02    | 29.5   | 7       | 6.0  | 7.4  | 393  | 1.27 | 89.1    | <.1  | <.2   | <.1  | 99.3  | .24   | .13   | .07    | 51   | 1.08 | .002  | .8    | 18.3  | .48  | 19.9  | .194  | 1    | .84  | .049 | .04  | 4.8  | <.02 | 11  | .7   | .13  | 3.8 | <.01 |     |      |
| STANDARD 052 | 14.55 | 132.89 | 31.18   | 173.4  | 297     | 38.6 | 13.3 | 868  | 3.35 | 67.2    | 21.9 | 202.8 | 3.8  | 31.5  | 11.41 | 10.21 | 11.85  | 87   | .57  | .086  | 14.1  | 187.2 | .66  | 156.3 | .122  | 5    | 1.92 | .036 | .74  | 7.9  | 1.98 | 253 | 2.6  | 2.05 | 6.6 | .83  |     |      |

Sample Type: ROCK. Samples Beginning "RE" are Retruns and "SRE" are Reject Retruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date    FA   

\*\* TOTAL PAGE. 006 \*\*

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. File # 9902630  
1409 - 409 Granville St., Vancouver BC V6R 1T2

*Item 242*

| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm  | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti %  | B % | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S %  |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|-------|-----|------|------|-----|-------|--------|--------|--------|--------|--------|------|
| 71980        | 2.62   | 6.49   | 2.70   | 3.8    | 31     | 3.9    | 2.1    | 174    | 1.42 | 167.6   | 1.0   | 7.1    | 31.6   | 65.0   | .07    | .16    | .10    | <2    | .56  | .029 | 19.6   | 1.9    | .18  | 76.1   | .002  | 2   | .25  | .072 | .17 | 1.7   | .03    | <5     | .4     | .03    | .7     | 1.50 |
| 71981        | 1.26   | 3.61   | 5.13   | 26.0   | 28     | 5.6    | 1.7    | 167    | .93  | 53.0    | .3    | 2.3    | 3.3    | 46.3   | .08    | .16    | .03    | 11    | .06  | .017 | 7.7    | 9.8    | .04  | 159.9  | .003  | 1   | .46  | .089 | .12 | 3.6   | <.02   | 5      | .1     | <.02   | .9     | .01  |
| 71982        | .85    | 14.77  | 4.93   | 10.7   | 25     | 3.0    | 1.0    | 185    | .65  | 6.4     | .3    | .3     | 1.1    | 24.3   | .04    | 1.04   | .03    | 6     | .02  | .005 | 3.2    | 10.2   | .01  | 145.4  | .003  | 1   | .30  | .070 | .08 | 4.2   | <.02   | <5     | .1     | <.02   | .3     | .02  |
| 71983        | 2.11   | 12.41  | 36.75  | 100.4  | 284    | 21.8   | 8.8    | 913    | 3.46 | 46.3    | .8    | <2     | 13.8   | 447.6  | .66    | .25    | .52    | 25    | 2.71 | .102 | 27.2   | 17.4   | .57  | 305.1  | .014  | 1   | .37  | .112 | .07 | 3.1   | .02    | 5      | .7     | .11    | .5     | .02  |
| RE 71983     | 2.21   | 12.56  | 35.50  | 97.4   | 286    | 21.0   | 8.8    | 881    | 3.38 | 45.4    | .8    | <2     | 13.1   | 433.9  | .65    | .23    | .50    | 25    | 2.63 | .099 | 28.1   | 19.3   | .55  | 300.0  | .015  | 1   | .37  | .109 | .07 | 3.0   | .02    | 6      | .7     | .11    | .5     | .02  |
| 71984        | 1.10   | 6.17   | 2.34   | 6.9    | 29     | 3.3    | 1.0    | 240    | .72  | 485.3   | 1.0   | 10.9   | 31.5   | 23.2   | .11    | .29    | .06    | 4     | .16  | .060 | 52.8   | 3.8    | .01  | 100.8  | .003  | 2   | .28  | .084 | .16 | 2.1   | .04    | <5     | <.1    | .02    | .9     | .02  |
| 71985        | 2.70   | 3.13   | 3.77   | <.1    | 130    | 3.9    | 1.9    | 51     | 5.31 | 68766.3 | 2.5   | 175.3  | 1.2    | 9.1    | .04    | 8.88   | .28    | <2    | .02  | .001 | 1.0    | 18.4   | <.01 | 52.4   | <.001 | <1  | .03  | .003 | .01 | 6.1   | .05    | <5     | 5.7    | .13    | .1     | 2.00 |
| 71986        | 14.87  | 30.93  | 13.61  | 83.5   | 259    | 13.7   | 3.6    | 81     | 2.47 | 865.9   | 2.6   | 28.0   | 2.2    | 98.1   | 1.28   | .91    | .26    | 29    | .04  | .330 | 6.0    | 24.0   | .02  | 712.6  | .002  | 1   | .25  | .019 | .16 | 8.1   | .08    | <5     | 6.8    | .04    | .8     | .20  |
| 71987        | 1.63   | 17.47  | 13.89  | 20.9   | 142    | 3.2    | .4     | 38     | .86  | 1550.8  | .6    | 46.7   | 8.2    | 21.7   | .29    | .90    | .09    | <2    | .07  | .024 | 20.0   | 11.2   | .03  | 768.7  | .001  | <1  | .17  | .052 | .20 | 3.0   | .04    | 7      | 2.9    | .11    | .7     | .20  |
| 71988        | 1.45   | 5.26   | 2.52   | 20.8   | 36     | 12.7   | 7.4    | 625    | 1.84 | 402.6   | .5    | 31.5   | 9.3    | 383.6  | .12    | .46    | .29    | 6     | 2.04 | .033 | 14.7   | 22.1   | .58  | 39.0   | .002  | 1   | .11  | .010 | .07 | 6.9   | .05    | <5     | .5     | .04    | .4     | .14  |
| 73797        | 3.93   | 14.19  | 20.88  | 6.8    | 371    | 5.1    | .4     | 74     | .95  | 4488.4  | 2.1   | 66.9   | 2.1    | 21.8   | .14    | 1.38   | .52    | 13    | .08  | .198 | 7.8    | 29.9   | .02  | 305.6  | .003  | 1   | .16  | .005 | .09 | 8.5   | .03    | 7      | 2.4    | .51    | .7     | .03  |
| 73798        | 1.95   | 10.73  | 2.68   | 7.3    | 55     | 11.7   | 7.2    | 169    | .97  | 52.3    | .3    | 11.2   | .8     | 78.2   | .04    | .14    | .09    | 4     | .51  | .063 | 2.5    | 24.7   | .13  | 41.5   | .002  | 1   | .20  | .025 | .09 | 10.4  | .02    | <5     | .3     | .03    | .4     | .24  |
| 73799        | 1.99   | 16.62  | 7.35   | 39.2   | 74     | 26.0   | 15.7   | 693    | 2.75 | 117.4   | 1.4   | 9.8    | 10.8   | 279.5  | .12    | .22    | .05    | 17    | 1.82 | .043 | 18.9   | 19.6   | .54  | 98.8   | .054  | <1  | .60  | .185 | .19 | 2.4   | .05    | <5     | .1     | .04    | 1.8    | .37  |
| STANDARD DS2 | 14.33  | 127.42 | 30.54  | 161.2  | 248    | 35.8   | 12.9   | 824    | 3.33 | 60.4    | 21.3  | 199.0  | 3.4    | 30.5   | 11.32  | 9.70   | 10.85  | 74    | .57  | .085 | 14.2   | 159.8  | .56  | 138.9  | .112  | 2   | 1.79 | .038 | .16 | 7.2   | 1.92   | 240    | 2.6    | 1.84   | 6.2    | .01  |

15 GRAM SAMPLE IS DIGESTED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML WITH WATER, ANALYSIS BY ICP/ES & MS.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL.  
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Retruns and 'RRE' are Reject Retruns.

DATE RECEIVED: AUG 3 1999 DATE REPORT MAILED: *Aug 11/99* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

*Assay recommended  
for AS > 10000 ppm*

604 253 1716 TO 6813920

AUG 27 98 11:52 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD. (Lab 9002 Accredited Co.)

852 W. HASTINGS ST. VANCOUVER BC V6P 1A6

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 242 File # 9902947  
1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Rob Cameron

| SAMPLE#      | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppb | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P %  | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Tl ppm | Hg ppb | Se ppm | Te ppm | Ga ppm | S % |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|--------|--------|--------|--------|--------|-----|
| 73198        | 48     | 20.75  | 5.44   | 69.3   | 55     | 18.7   | 13.2   | 434    | 2.63 | 6.7    | .7    | 4.2    | 2.6    | 37.1   | .15    | .32    | .09    | 65    | .62  | .089 | 10.0   | 30.3   | .77  | 167.1  | .073 | 1     | 1.47 | .019 | .06 | .3    | .06    | 20     | .4     | .03    | 5.0    | .01 |
| 75413        | .62    | 22.96  | 6.73   | 55.3   | 153    | 15.3   | 8.0    | 281    | 1.67 | 2.4    | 5.6   | 4.1    | 3.9    | 47.3   | .20    | .30    | .10    | 41    | .69  | .068 | 16.3   | 22.3   | .53  | 135.6  | .073 | 2     | 1.26 | .026 | .07 | .3    | .06    | 25     | .3     | <.02   | 4.2    | .03 |
| 75414        | 1.63   | 18.79  | 6.72   | 55.6   | 133    | 15.2   | 9.1    | 571    | 2.15 | 6.0    | 3.6   | 2.2    | 4.8    | 40.6   | .18    | .32    | .10    | 51    | .62  | .080 | 16.2   | 20.8   | .49  | 133.4  | .068 | 2     | 1.17 | .023 | .08 | .3    | .05    | 29     | .2     | .02    | 4.0    | .02 |
| 75415        | .72    | 15.78  | 6.88   | 60.5   | 76     | 17.2   | 9.6    | 362    | 1.95 | 10.0   | 2.1   | 1.8    | 3.3    | 45.0   | .20    | .33    | .10    | 45    | .61  | .066 | 13.3   | 22.4   | .51  | 183.9  | .068 | 2     | 1.27 | .022 | .06 | .2    | .05    | 33     | .5     | <.02   | 4.2    | .03 |
| 75631        | .60    | 22.73  | 5.94   | 73.2   | 74     | 20.4   | 14.3   | 512    | 2.74 | 8.0    | .8    | 2.6    | 2.7    | 40.3   | .17    | .36    | .10    | 66    | .65  | .085 | 10.8   | 32.4   | .79  | 180.7  | .071 | 1     | 1.53 | .019 | .06 | .2    | .06    | 24     | .5     | .02    | 5.3    | .02 |
| RE 75631     | .54    | 21.56  | 5.65   | 71.6   | 66     | 20.1   | 13.6   | 498    | 2.71 | 7.6    | .8    | 1.2    | 2.6    | 38.4   | .18    | .32    | .09    | 64    | .63  | .086 | 10.1   | 32.2   | .75  | 170.1  | .067 | 2     | 1.45 | .018 | .06 | .2    | .05    | 49     | .4     | .02    | 5.0    | .02 |
| STANDARD DS2 | 14.86  | 135.06 | 31.98  | 172.7  | 269    | 39.5   | 13.5   | 864    | 3.34 | 64.6   | 20.9  | 205.6  | 4.4    | 31.8   | 11.47  | 9.31   | 11.10  | 85    | .57  | .086 | 14.8   | 177.1  | .62  | 149.2  | .116 | 2     | 1.83 | .041 | .17 | 7.4   | 1.94   | 275    | 2.8    | 1.94   | 6.6    | .03 |

15 GRAM SAMPLE IS DIGESTED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML WITH WATER, ANALYSIS BY ICP/ES & MS.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL.  
 - SAMPLE TYPE: -150 SILT      Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

DATE RECEIVED: AUG 16 1999      DATE REPORT MAILED: *Aug 26/99*      SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

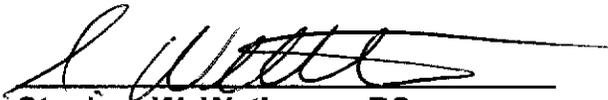
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data: *FA*

## CERTIFICATE

I, Stephen William Wetherup, certify to the following:

1. I am a consulting geologist currently residing at #307 – 1106 Pacific Street, Vancouver, B.C.
2. I am a Geoscientist in Training (G.I.T.) in the Association of Professional Engineers and Geoscientists of British Columbia.
3. My academic qualifications are:  
  
B.Sc., University of Manitoba, Winnipeg, Manitoba.
4. I have been engaged in geological work since graduation in 1995.

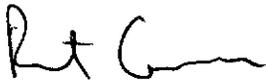


**Stephen W. Wetherup, BSc.  
Vancouver, B.C.  
February 28, 2000**

## CERTIFICATE

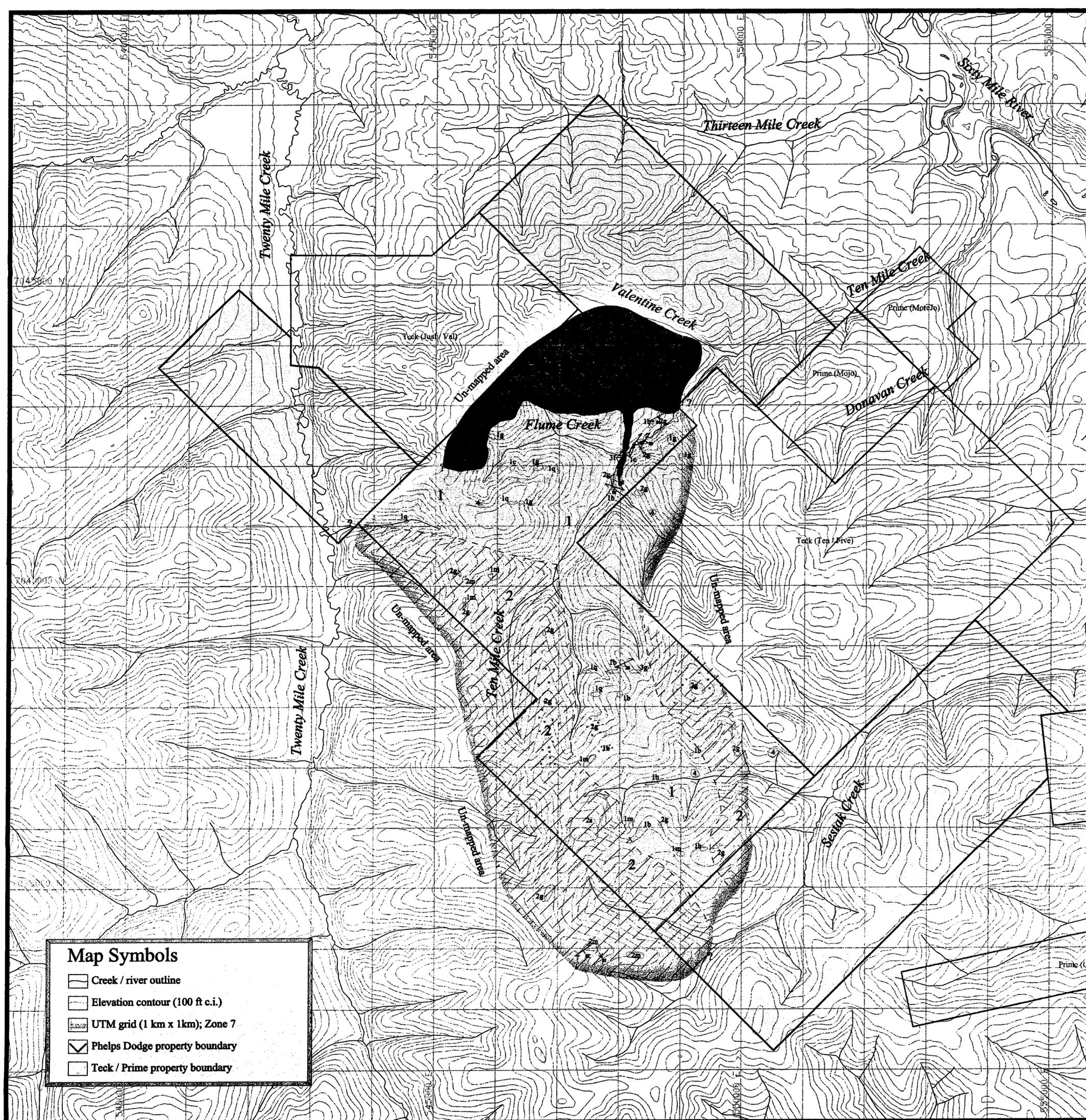
I, Robert Scott Cameron certify to the following:

1. I am a geologist employed by Phelps Dodge Corporation of Canada Limited, 1409-409 Granville Street, Vancouver, BC.
2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia.
3. My academic qualifications are:  
  
B.Sc. Hons., 1981, Carleton University, Ottawa, Ontario
4. I have been engaged in geological work since graduation in 1981.



---

**Robert Scott Cameron, B. Sc., P. Geo.**  
**Vancouver, B.C.**  
**February 28, 2000**



## Geological Units

### upper Cretaceous

#### Carmacks volcanics

- 4 Quartz-eye dacite: aphanitic, white to light beige flows with 1-3 mm quartz phenocrysts.

### Jurassic to Cretaceous

- Quartz-porphry granite: medium grained, white to light pink, with 3-5 mm euhedral quartz phenocrysts, and 1-2 mm biotite.
- Fine grained granite: light pink to orangy-pink, equigranular, +/- biotite.

### Devonian to Mississippian

#### Pelly Gneiss Suite

- Granitic orthogneiss: medium grained to pegmatitic, white to light pink, local feldspar megacrysts/augen porphyroblasts; +/- biotite, +/- hornblende.
- Mafic orthogneiss: medium to coarse grained, 30-70% dark green amphibole, 20-40% plagioclase, generally occurring as augen, +/- biotite.
- Syenitic orthogneiss: medium grained, pink to orange, 0-10% biotite.

### upper Proterozoic to lower Cambrian

#### Nisling Terrane

- Biotite schist: medium grained, light brown to brown, locally crenulated; 10-30% biotite, + quartz, + feldspar, +/- graphite, local arsenopyrite.
- Chlorite schist: medium grained, light green to green; 15-70% chlorite, + feldspar, +/- quartz, +/- graphite, local arsenopyrite.
- Graphite schist: medium grained, light grey to grey; 10-30% graphite, + feldspar, + quartz, +/- biotite/muscovite, local arsenopyrite.
- Quartzite: fine to medium grained, light grey to light brown; 70-95% quartz, +/- feldspar, + biotite or muscovite, local arsenopyrite.
- Marble: fine to medium grained, white to light grey, well laminated, 90-95% calcite; rare fine grained light green calc-silicate units.

## Symbols

- Outcrop outline
- Inferred geological contact
- Foliation/transposed layering
- Mineral lineation
- Rock fragments at surface or in soil

## Map Symbols

- Creek / river outline
- Elevation contour (100 ft c.i.)
- UTM grid (1 km x 1km); Zone 7
- Phelps Dodge property boundary
- Teck / Prime property boundary

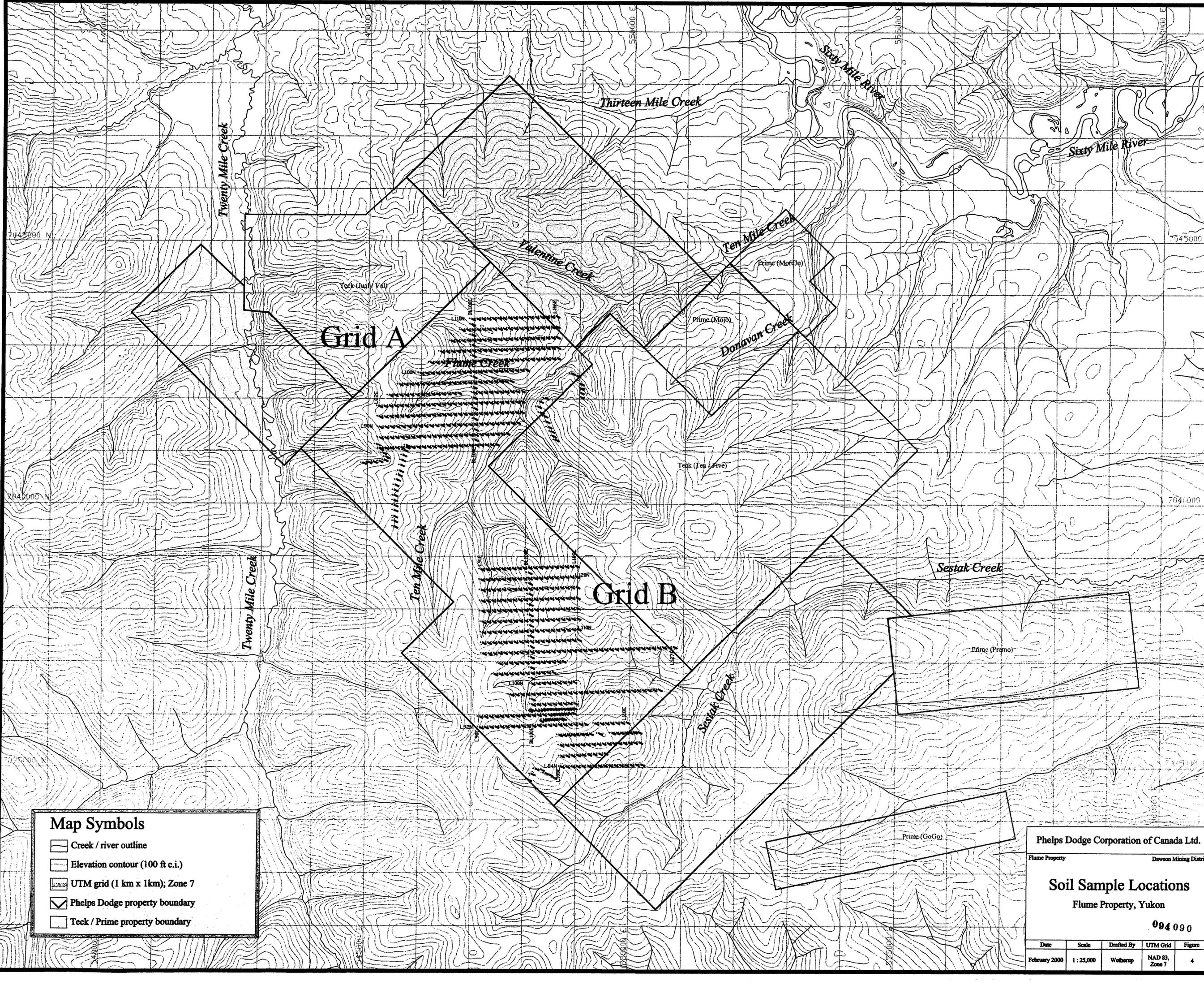
Phelps Dodge Corporation of Canada Ltd.

Flume Property Dawson Mining District

## Geology

Flume Property, Yukon  
094 090

| Date          | Scale    | Drafted By | UTM Grid       | Figure |
|---------------|----------|------------|----------------|--------|
| February 2000 | 1:25,000 | Wotherup   | NAD 83, Zone 7 | 3      |



**Map Symbols**

- Creek / river outline
- Elevation contour (100 ft c.i.)
- UTM grid (1 km x 1km); Zone 7
- Phelps Dodge property boundary
- Teck / Prime property boundary

Phelps Dodge Corporation of Canada Ltd.  
 Flume Property Dawson Mining District

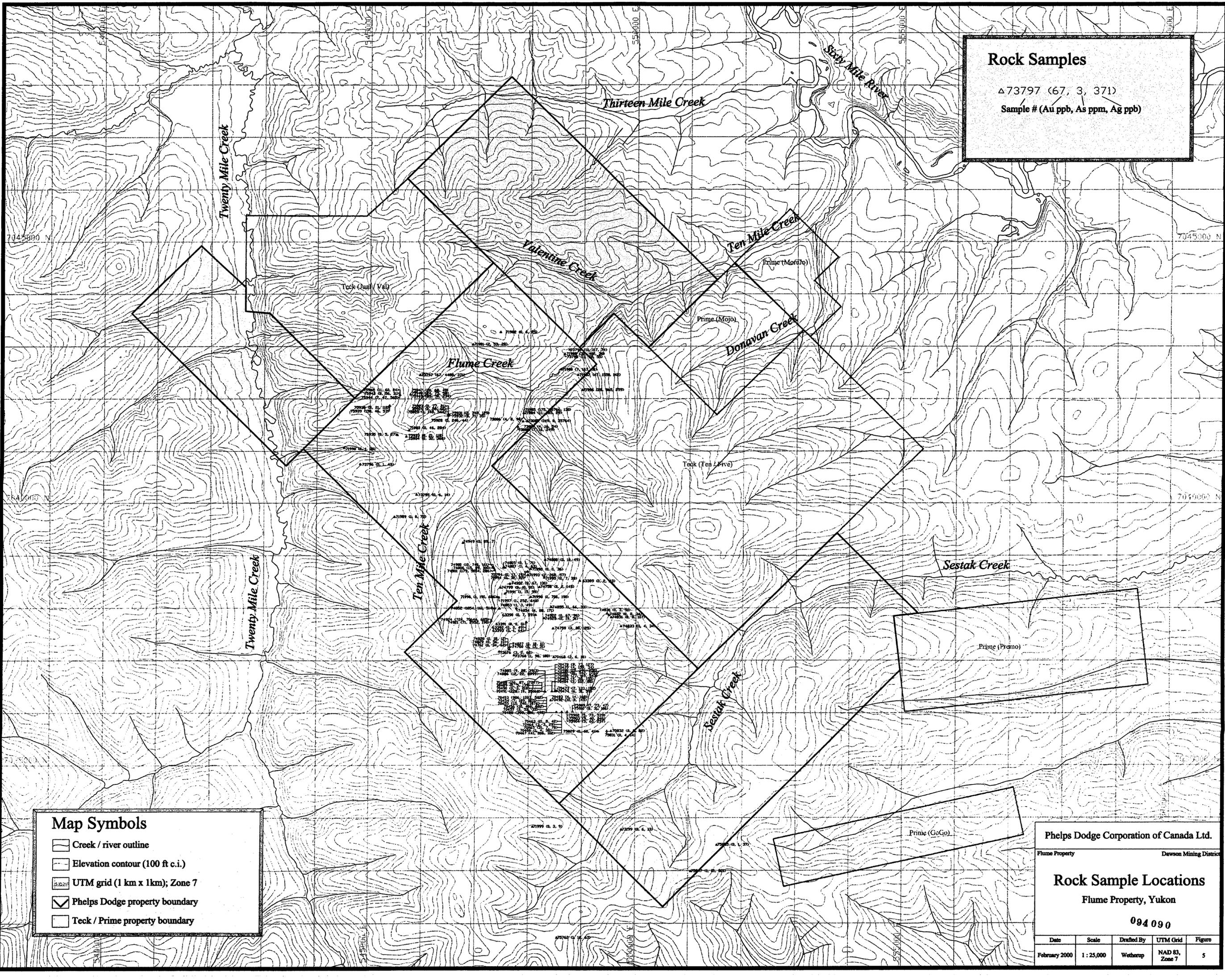
**Soil Sample Locations**  
 Flume Property, Yukon

094 090

| Date          | Scale    | Drafted By | UTM Grid       | Figure |
|---------------|----------|------------|----------------|--------|
| February 2000 | 1:25,000 | Wotherup   | NAD 83, Zone 7 | 4      |

# Rock Samples

Δ73797 (67, 3, 371)  
 Sample # (Au ppb, As ppm, Ag ppb)



## Map Symbols

- Creek / river outline
- Elevation contour (100 ft c.i.)
- UTM grid (1 km x 1km); Zone 7
- Phelps Dodge property boundary
- Teck / Prime property boundary

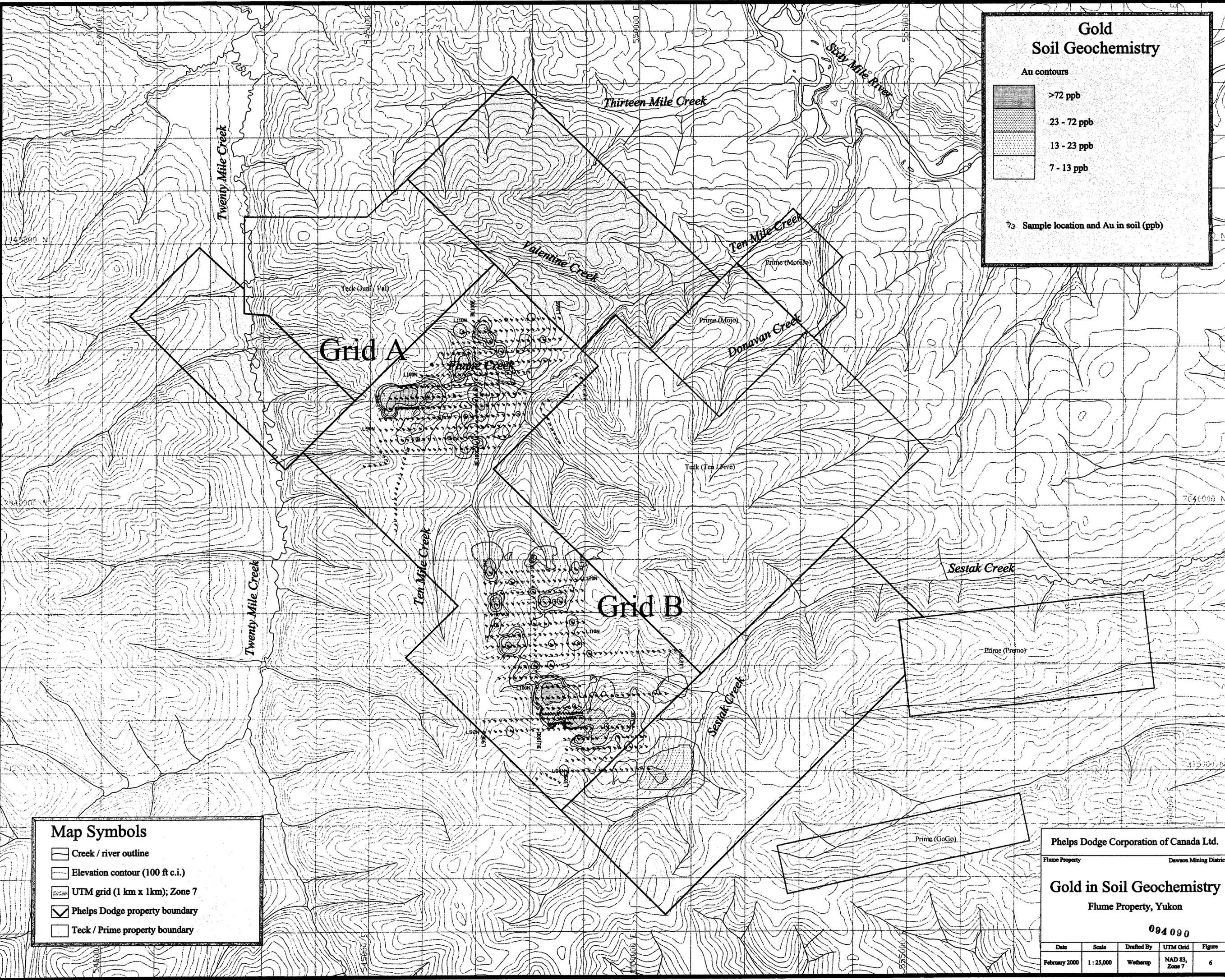
Phelps Dodge Corporation of Canada Ltd.  
 Flume Property Dawson Mining District

### Rock Sample Locations

Flume Property, Yukon

094 090

| Date          | Scale      | Drafted By | UTM Grid       | Figure |
|---------------|------------|------------|----------------|--------|
| February 2000 | 1 : 25,000 | Wetherup   | NAD 83, Zone 7 | 5      |



### Gold Soil Geochemistry

Au contours

|  |             |
|--|-------------|
|  | >72 ppb     |
|  | 23 - 72 ppb |
|  | 13 - 23 ppb |
|  | 7 - 13 ppb  |

☉ Sample location and Au in soil (ppb)

### Map Symbols

- Creek / river outline
- Elevation contour (100 ft c.i.)
- UTM grid (1 km x 1km); Zone 7
- Phelps Dodge property boundary
- Teck / Prime property boundary

Phelps Dodge Corporation of Canada Ltd.

Flume Property Dawson Mining District

## Gold in Soil Geochemistry

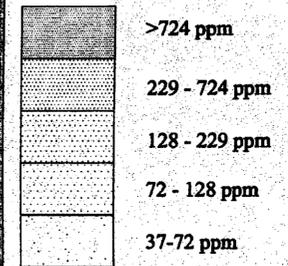
Flume Property, Yukon

094090

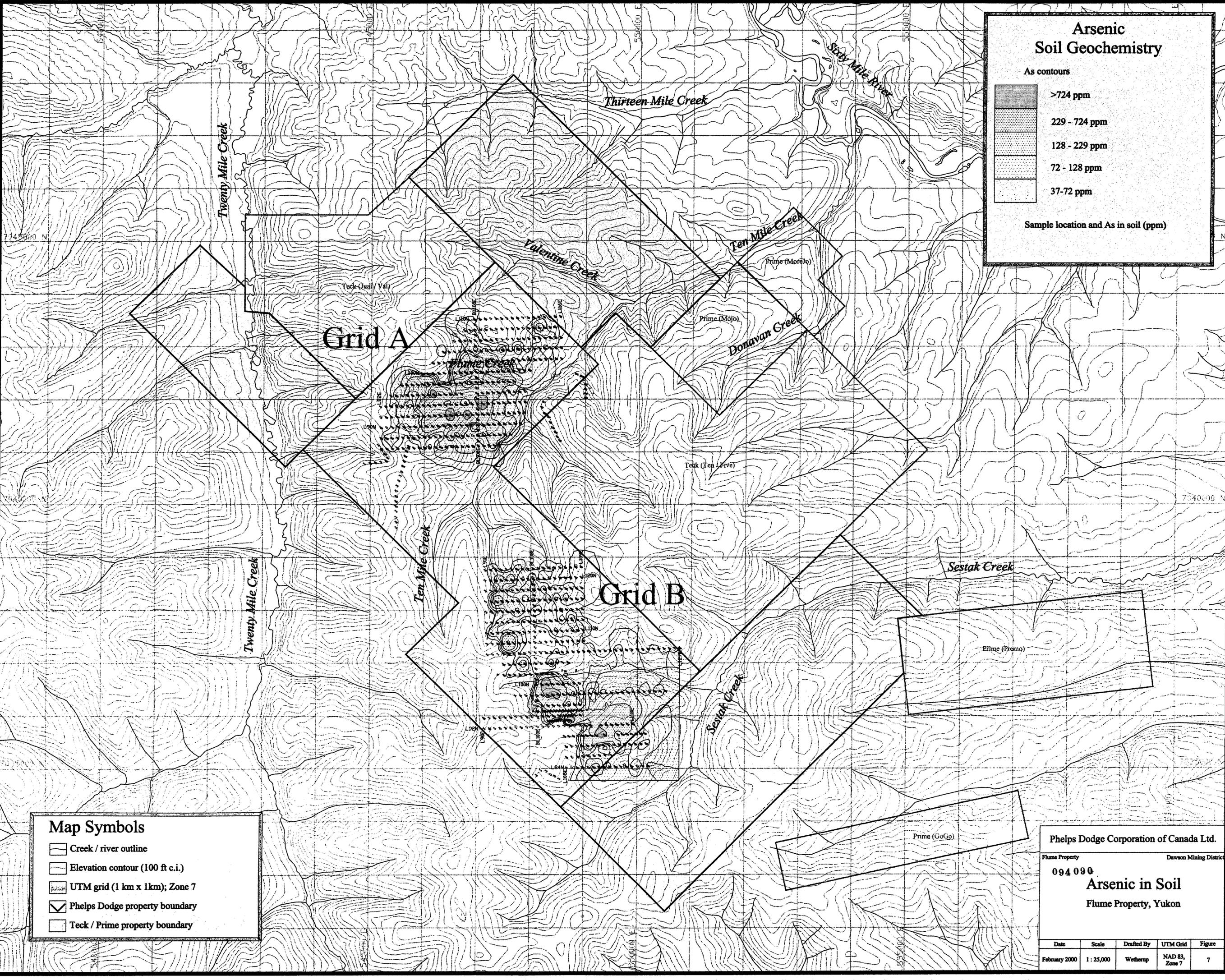
| Date          | Scale      | Drafted By | UTM Grid       | Figure |
|---------------|------------|------------|----------------|--------|
| February 2000 | 1 : 25,000 | Wetherup   | NAD 83, Zone 7 | 6      |

# Arsenic Soil Geochemistry

As contours



Sample location and As in soil (ppm)



## Map Symbols

- Creek / river outline
- Elevation contour (100 ft c.i.)
- UTM grid (1 km x 1km); Zone 7
- Phelps Dodge property boundary
- Teck / Prime property boundary

Phelps Dodge Corporation of Canada Ltd.

Flume Property Dawson Mining District

094 090  
**Arsenic in Soil**  
 Flume Property, Yukon

| Date          | Scale    | Drafted By | UTM Grid       | Figure |
|---------------|----------|------------|----------------|--------|
| February 2000 | 1:25,000 | Wetherup   | NAD 83, Zone 7 | 7      |