

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 89.03.29

ASSESSMENT REPORT 17387

MINING DIVISION: Nelson

PROPERTY: Jon  
LOCATION: LAT 49 02 22 LONG 116 37 36  
UTM 11 5431688 527285  
NTS 082F02E

CLAIM(S): Sullivan Two  
OPERATOR(S): White Knight Res.  
AUTHOR(S): Whiting, F.B.  
REPORT YEAR: 1988, 31 Pages

COMMODITIES

SEARCHED FOR: Lead,Zinc,Silver

GEOLOGICAL

SUMMARY: The Proterozoic Middle Aldridge Formation contains an east dipping layer of carbonate, talc rock and quartzite carrying galena, sphalerite and silver. The mineralized bed is 6 metres thick.

WORK

DONE: Geochemical,Physical  
LINE 9.3 km  
SOIL 422 sample(s) ;ME

RELATED

REPORTS: 13858,16243

|              |
|--------------|
| LOG NO: 0520 |
| FILE NO:     |

GEOCHEMICAL REPORT

JON GROUP :

Sullivan Two M.C. # 3784(7)  
Jon M.C. # 4330(4)  
Jon # 2-#5 : # 4331-4334 (4)

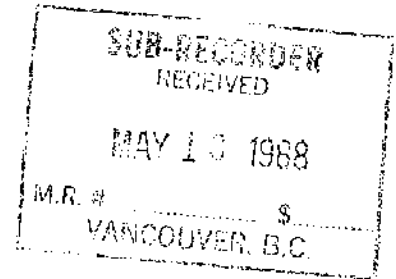
Nelson M.D.

NTS Coords: N 5432000 m  
E 528000 m.

NTS Sheet 82-F-2E

Lat.: N 49°02'30"

Long. W 116° 37'



Owner : White Knight Resources Ltd.  
Operator : White Knight Resources Ltd.  
Consultant : F.B. Whiting  
Author: F.B. Whiting

Date Submitted: MAY 18, 1988.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,387

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A. INTRODUCTION1. Geographic Position, Access

The JON GROUP of mineral claims is situated 10 kilometres southwest of Creston, B.C. in the Nelson Mining Division, at Lat. N 49° 02'30" , Long. W 116° 37'. The claims are shown on NTS sheet 82-F-2E.

Access is by the Dodge Creek Forest Service Road which leaves the main road along the west side of the Kootenay River valley about 4 km north of the International Boundary. This road is followed to Km 13 which is close to the L.C.P. of the Sullivan Two M.C. Logging roads give access to the southwest corner of that claim. The Jon & Jon 2-3 claims lie on the lower slopes of the mountain and can be reached by farm roads along the west side of the Kootenay River.

Figure 1 is the Location Map. Figure 3 is a more detailed location map which shows topographic features and contours, as well as the Dodge Creek Forest Service Road.

2. Property Definition, History, Owner, Operator, Economic Assessment

The JON GROUP consists of the Sullivan Two M.C. Rec. # 3784(7) of 20 units, the Jon M.C. Rec.# 4330(4) of 15 units, and the Jon 2-5 2-Post M.Cs. Rec. # 4331-4334 (4) inclusive. These claims were grouped as the JON GROUP. Fig. 2 is the Claim Map.

The first mention of mineralization at this location was given in the BCMM Annual Report for 1929 which mentions that prospectors had found large quantities of galena float in a recent burn. Following this lead, F.B. Whiting

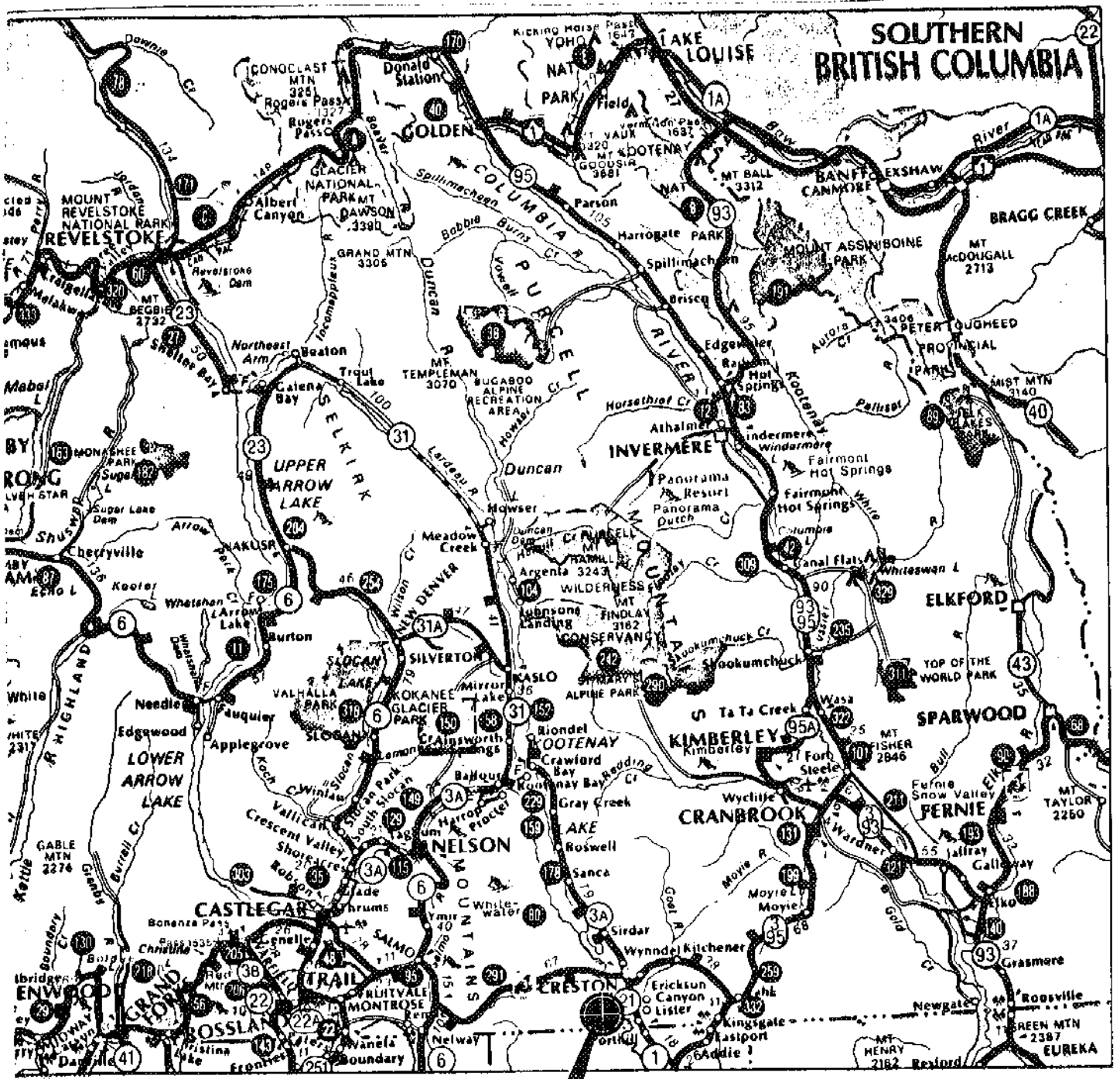
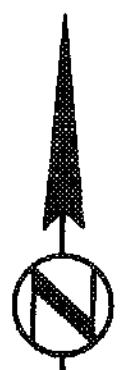
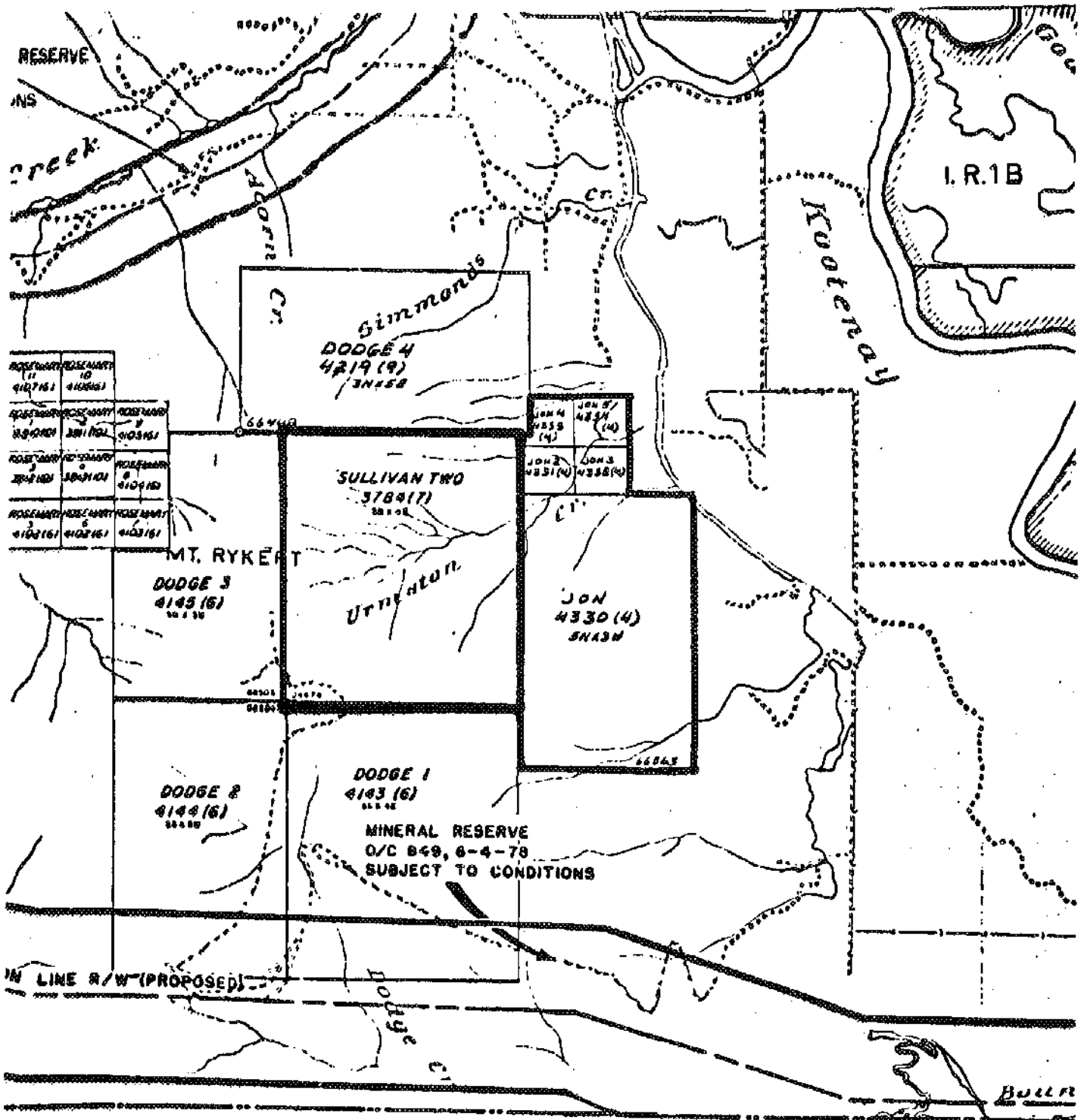


FIGURE 1.  
LOCATION MAP

JON GROUP



100 Km



International Boundary

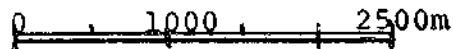


Fig. 2.

CLAIM MAP

NTS 82-F-2E.

Scale: 1: 50,000



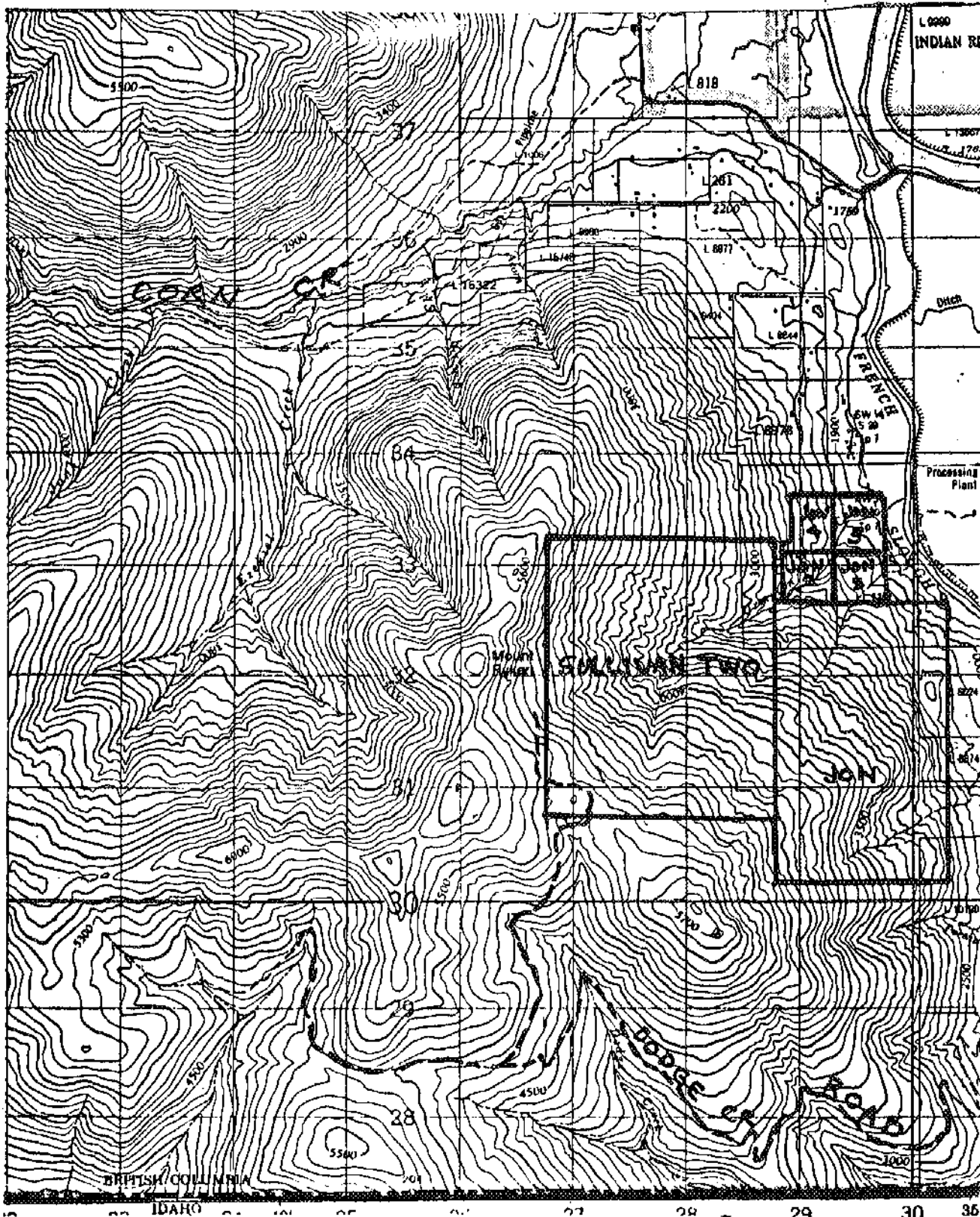
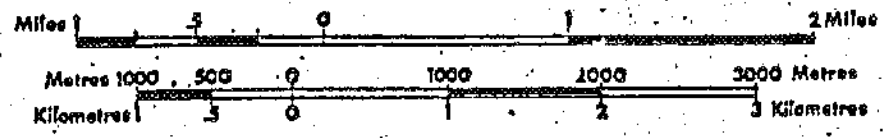
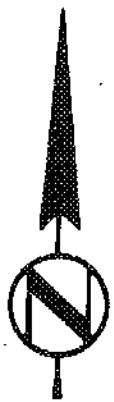


FIGURE 3.

TOPOGRAPHIC MAP



staked the Sullivan Two M.C. in 1984. He did mapping and limited soil sampling and filed an assessment report in 1985. Cominco Limited staked the Dodge # 1-4 M.Cs. adjoining the Sullivan Two towards the north, west and south and did soil sampling that was filed as A.R. 14951. The Jon & Jon 2-5 claims were staked by Francis O'Grady and were optioned from him by White Knight Resources Ltd. Orion Resources Ltd. had acquired a 50% interest in the Sullivan Two M.C. from F.B. Whiting, and White Knight Resources Ltd purchased his 50 % interest and optioned the remaining 50% from Orion Resources, in 1987. Extensive work programs were carried out in 1987 by White Knight Resources Ltd. Physical work for the amount of \$ 7616 for bulldozing of roads and trenches was recorded on March 23, 1988. A recording of gridding, soil sampling and assaying for the total of \$ 10046.55 was made March 29, 1988 with " Report to Follow " : this is that report. As a result of these recordings, the expiry dates have been extended as follow:

Sullivan Two M.C.: July 11, 1991

Jon M.C.:April 2, 1992

Jon 2-5 M.Cs.: April 17, 1993.

White Knight Resources Ltd. is the Operator.

The economic potential of the property lies in the existence of a layer of carbonate, talc rock and quartzite that carries galena and sphalerite with significant silver. The host formation is the Precambrian Middle Aldridge Formation. Mapping, trenching and soil sampling indicate that the mineralized bed lies at a shallow depth beneath the surface of the mountain side. The mineralization is interpreted as having originated by sub-aqueous exhalations rising at the intersection of graben faults with transform faults, possibly similar to the process that created the Sullivan Mine at Kimberley, B.C. Surface outcrops are highly leached and oxidized with only





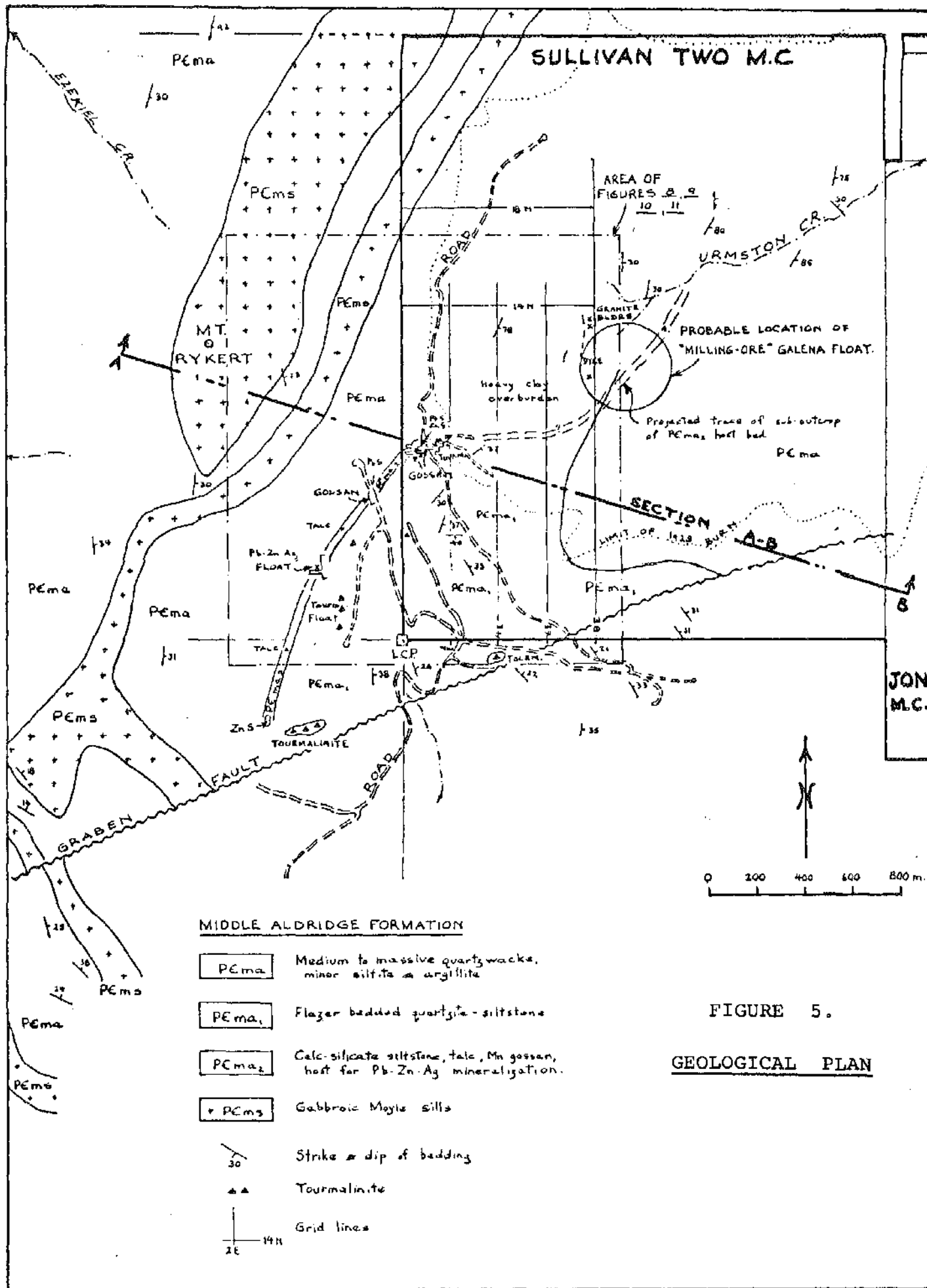


FIGURE 5.

GEOLOGICAL PLAN

lead and zinc remaining. It is anticipated that better grade material will be encountered towards the east and southeast as the bed is followed down towards the presumed source feeder faults.

### 3. Geochemical Survey

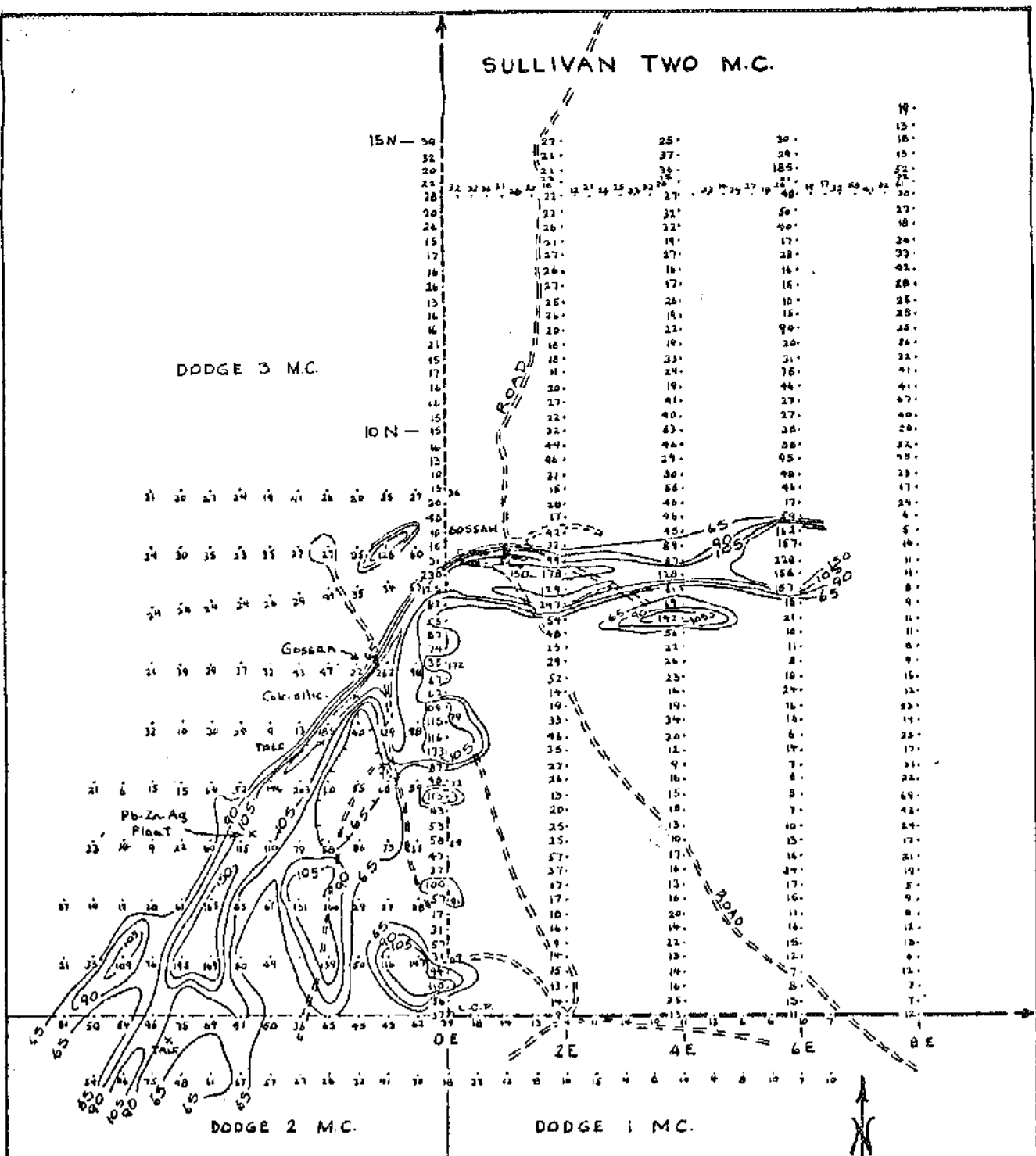
A control grid was put in over the southwest portion of the Sullivan Two claim, with north-south lines at the Zero-E Baseline, and lines 200mE, 400mE, 600mE and 800mE. East-west tie lines were put in at 1400N and 1800m N. Soil samples were taken at 25-metres spacings along these grid lines. The B Soil Horizon was sampled, generally at a depth of 25 cm. A total of 422 samples were collected and assayed. The grid totalled 9340 metres.

## B. GEOCHEMICAL SURVEY

The soil sampling survey consisted of 422 samples taken at 25-metre spacing over the grid lines : B/L-0E 200 E , 400 E, 600 E and 800 E. Also sampled was a cross-line, oriented east-west, on line 14+00 N. This survey is linked with a similar soil survey done by Cominco on the adjoining Dodge M.Cs. Samples were collected from the B Horizon at an average depth of 15 cm. The samplers were experienced in this work.

The values for lead, zinc and silver were plotted on a grid map and contoured. Figures 5, 6 and 7 are the contour maps for those elements and Figure 8 is a compilation of the geochemical data. Generally, the background for lead is in the range of 12-45 ppm; the 65 ppm contour outlines the anomalous zone in the soils which was later trenched and shown to originate from a bed carrying galena and sphalerite. For zinc the background is generally 45 - 65 ppm and the 70-ppm contour outlines the same zone. For silver, background is 0.1 - 0.7 ppm and 1.0 ppm outlines the anomalous areas. The maximum values are not high in an absolute sense, but are high for the commonly sterile Aldridge quartzites. Also, the upper slopes of the mountain are very strongly leached, with most of the mineralized layer converted to a black manganiferous gossan carrying only traces of secondary lead and zinc minerals.

The assaying was done by Acme Analytical Laboratories of Vancouver, B.C. A 0.5 gram samples (sieved to -80 mesh) is digested with 3-1-2-HCl-HNO<sub>3</sub>-H<sub>2</sub>O and the solution is analysed by the standard ICP process, giving 29 metals.



DODGE 3 M.C.

DODGE 2 M.C.

DODGE 1 M.C.

**LEGEND**

- 176 Ppm Lead
- 69
- Gossan
- x Float Site

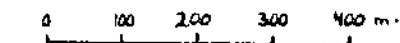
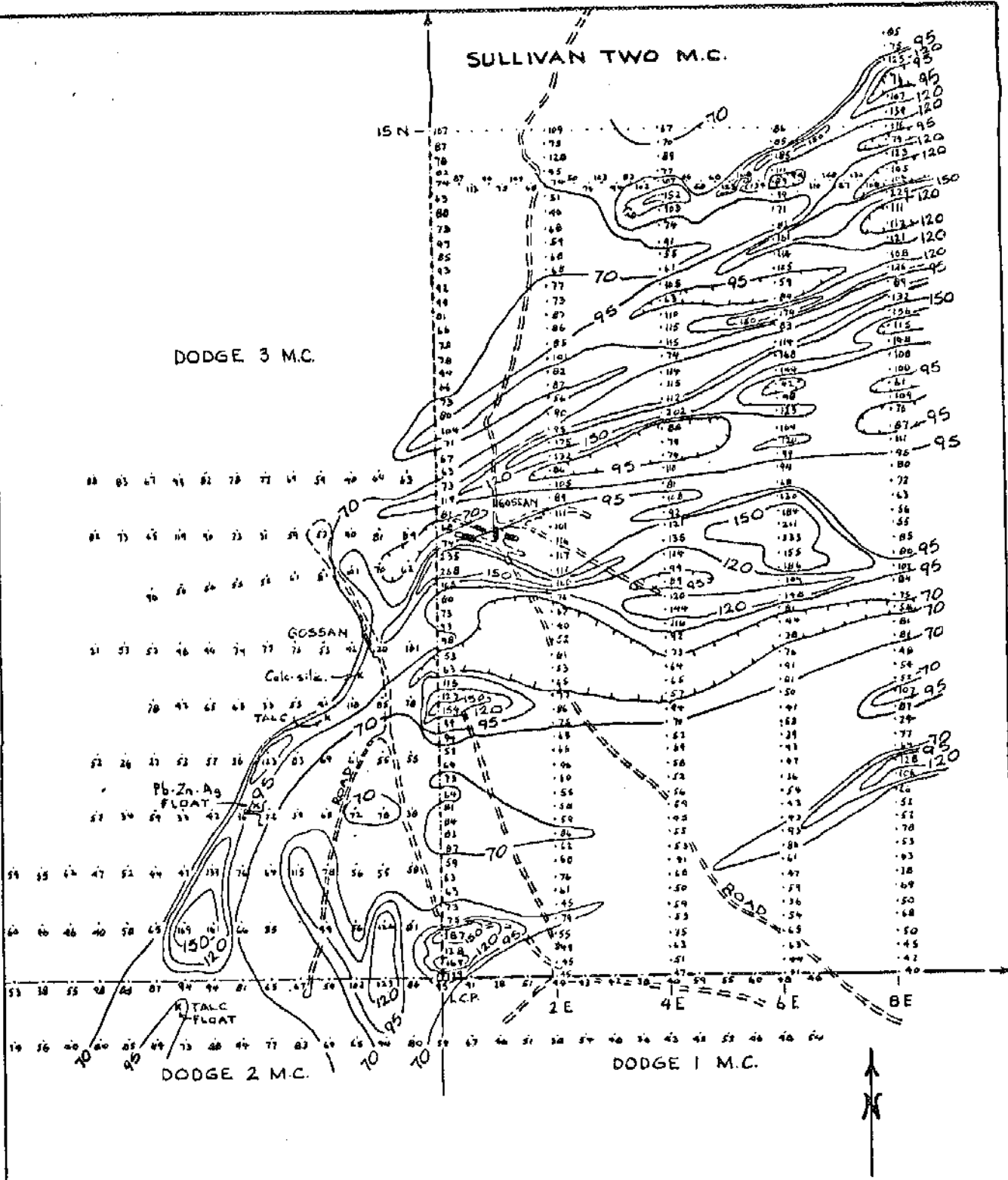


FIGURE 5.

SOIL SAMPLES : LEAD



**LEGEND**

- 168 Ppm Zinc
- 77 Ppm Zinc
- x FLOAT SITES
- ⊞ GOSSAN + Mn, Pb, Talc

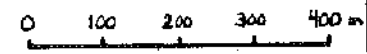
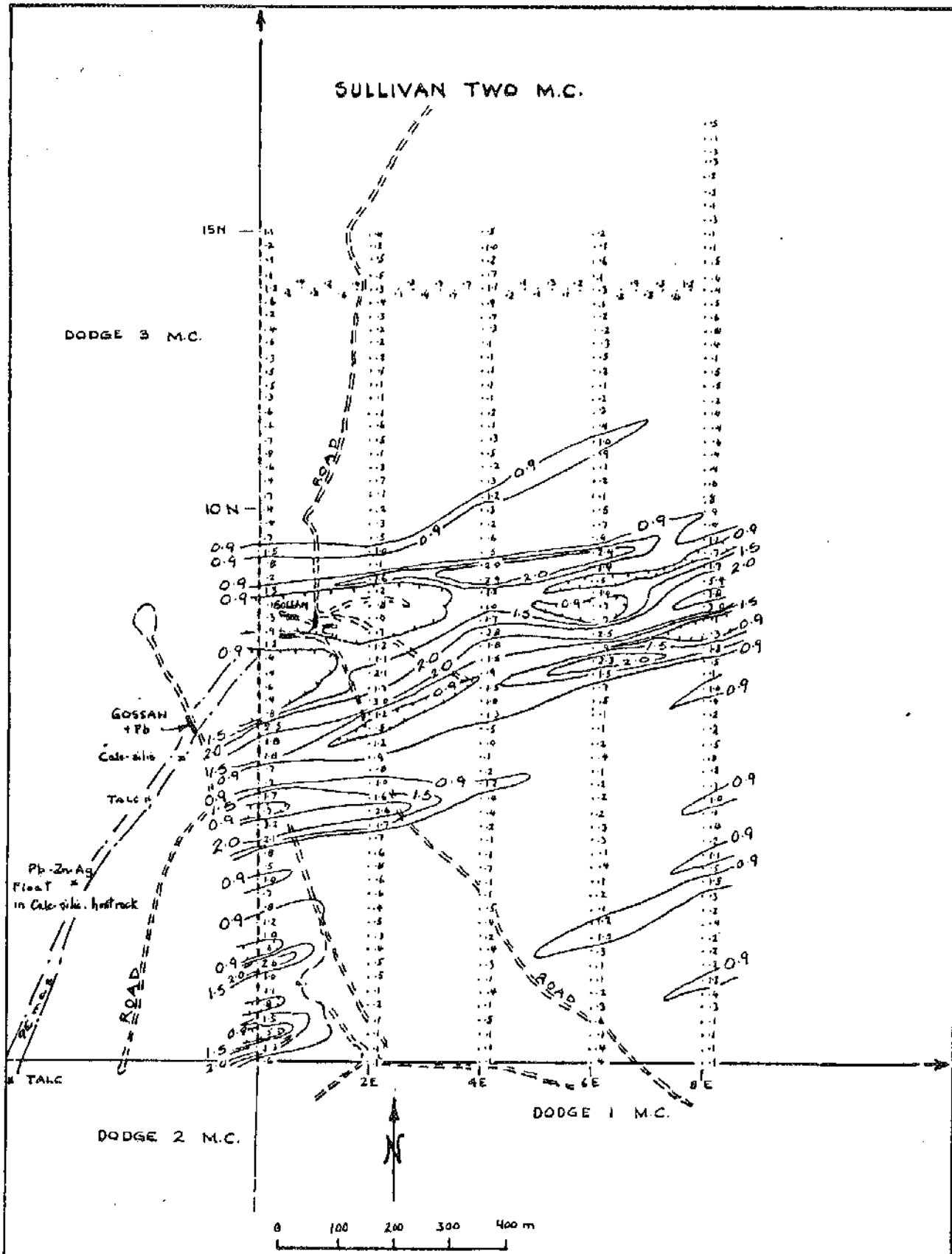


FIGURE 6.

SOIL SAMPLES : ZINC

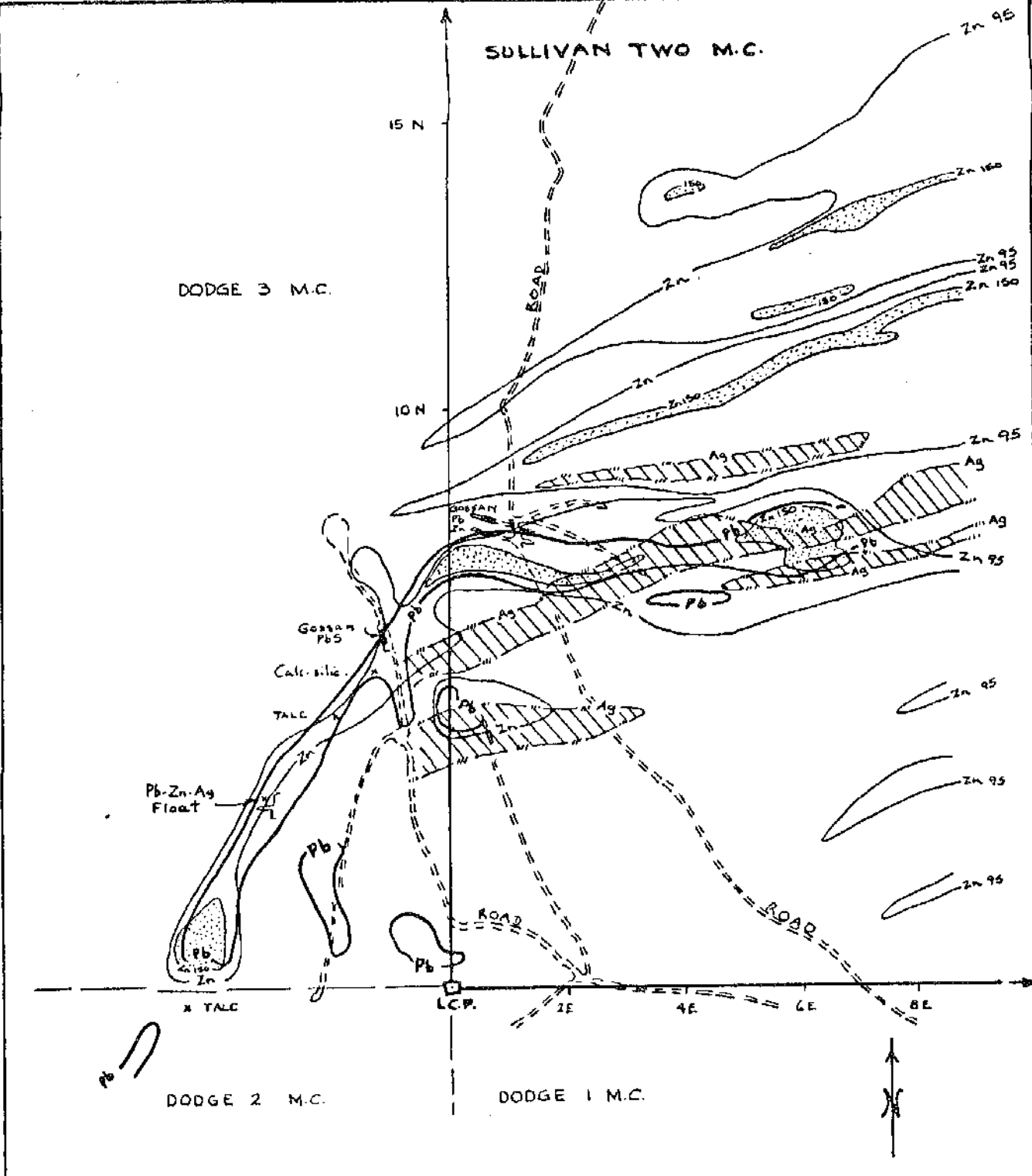


**LEGEND**

- Ppm Silver
- Gossan
- x Float Site

**FIGURE 7.**

SOIL SAMPLES : SILVER



DODGE 3 M.C.

SULLIVAN TWO M.C.

15 N

10 N

Pb-Zn-Ag Float

Gossan PbS

Calc. silic.

TALC

x TALC

L.C.P.

2E

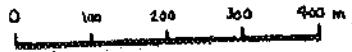
4E

6E

8E

DODGE 2 M.C.

DODGE 1 M.C.



**LEGEND**



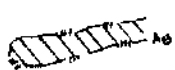


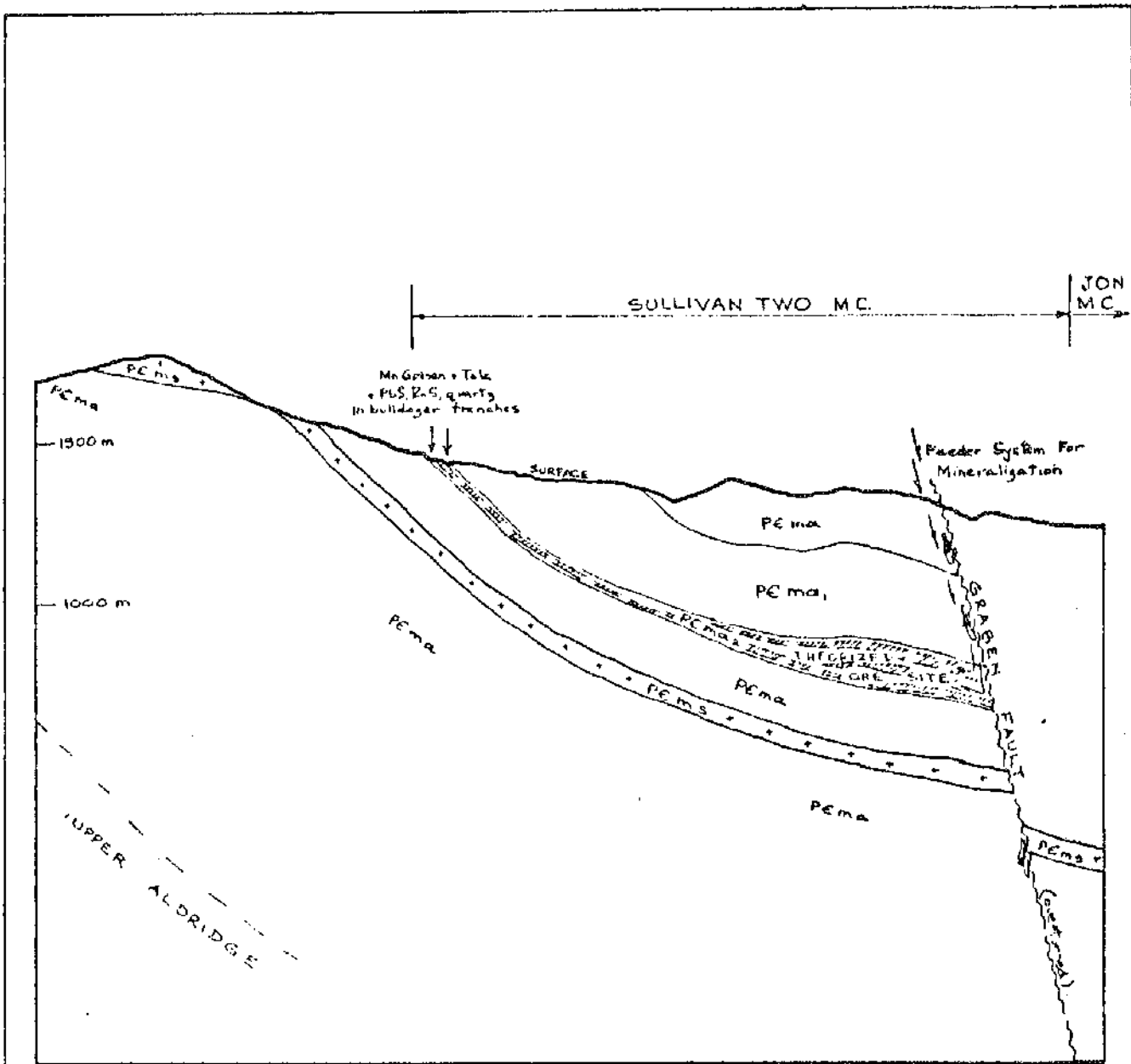
-  Anomalous Lead (over 105 ppm.)
-  Anomalous Zinc (over 95 ppm.)
-  Anomalous Silver (over 1.5 ppm.)
-  Gossan, Pb-Ag, Talc, Calc. silicate
-  Float Site

FIGURE 8.

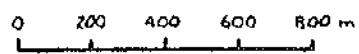
SOIL SAMPLING : COMPILATION





A

B



MIDDLE ALDRIDGE FORMATION

- |      |  |
|------|--|
| PCma | Medium to massive quartzite, minor siltstone & argillite |
|------|--|
- |                   |                                     |
|-------------------|-------------------------------------|
| PCma <sub>1</sub> | Flaggy bedded quartzite - siltstone |
|-------------------|-------------------------------------|
- |                   |   |
|-------------------|---|
| PCma <sub>2</sub> | Calc-silicate, siltstone, talc, Mn gossan<br>Host for Pb-Zn-Ag mineralization |
|-------------------|---|
- |        |                      |
|--------|----------------------|
| + PCms | Gabbroic mafic sills |
|--------|----------------------|
- |     |              |
|-----|--------------|
| * * | Tourmalinita |
|-----|--------------|

FIGURE 9.  
CROSS-SECTION A-B

### C. INTERPRETATION AND CONCLUSIONS


The lead, zinc and silver contour maps showed the presence within the Sullivan Two claim of the same mineralized layer that is exposed to the west on Cominco's Dodge claims. The lead anomaly extends eastward from the 0E Baseline to the 600 E grid line but can not be seen on the 800 E line. The zinc anomaly is well-defined out to the 800 E line , and a set of anomalous values towards the far north end of the grid suggests the presence of a second zinc-bearing layer, stratigraphically below the main band. The silver highs coincide with the main lead-zinc anomaly.

Trenching near the west boundary of the Sullivan Two claim, near 750 - 800 m N, found the manganiferous gossan, talc rock, and irregular masses of quartz carrying traces of galena and sphalerite. The reported galena float area was searched for but not found, but is believed to exist a short distance east of the grid.

A cross-section , A-B, is provided which illustrates the concept that the exposed and sampled Pb-Zn layer is the outer fringe of a deeper, buried strata-bound lens possibly of much higher grade. This is Figure 9.

It is recommended that prospecting be done to locate the float area, which should then be trenched by bulldozer or back-hoe to expose the sub-outcrop. Drilling would then follow to extend the body down towards the south and east.

Signed :

  
\_\_\_\_\_  
F.B. Whiting, P.Eng.

D. ITEMIZED COST ESTIMATE

Gridding : done on contract : 9.340 km @ \$ 590 / km....\$ 5,510.60  
=====

Personnel: Daryl Calder & Norman Holmes

Dates: Sept. 18,24,25,26,27,28,29 ,1987

October 2,3,4,5,6,8,9 , 1987

Soil sampling:

Personnel: Daryl Calder: Oct.27-31: 5 days @ \$160..\$ 800.00

Norman Holmes : Oct.27-31: 5 days @ \$160..\$ 800.00

Sample shipping . . . . . \$ 26.20

Total.....\$ 1,626.20  
=====

Assaying: Acme Laboratories: 422 samples ,I.C.P.

process @ \$ 6.00 plus preparation charges.....\$ 2,909.75  
=====

TOTAL COST.....\$ 10,046.55

Certified correct:

  
\_\_\_\_\_  
F.B. Whiting P.Eng.

E. STATEMENT OF QUALIFICATIONS

I, Francis Beaumont Whiting, of 5284 - 245 A St., Aldergrove, B.C., hereby certify that :

1. I am a graduate of the University of British Columbia in geological engineering ( 1946 ); and received the degree of Master of Science in Geology from McGill University (1948); and the degree of PhD in Geology and Economics from M.I.T. (1951).
2. I have practised my profession since 1946 as mine and exploration geologist for Hedley Mascot Gold Mines, New Jersey Zinc Explorations, St. Joseph Lead Co.; as Exploration Manager for Cia. Minera Aguilar S.A.; as General Manager for Arrow Inter-America Corp.; and as Regional Manager for Brascan Resources Ltd.
3. Since 1977 I have been a consulting geological engineer with my own company " Whiting Mining Services International Ltd."
4. I personally supervised the work done on the JON GROUP.
5. I am a member in good standing of the Association of Professional Engineers of B.C. and of the Yukon.

Respectfully submitted,

  
\_\_\_\_\_  
F.B.Whiting, P.Eng.

APPENDIX

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B M AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: SOIL

DATE RECEIVED: NOV 3 1987

DATE REPORT MAILED: Nov 12/87

ASSAYER: *D. Jepsen* DEAN TOYE, CERTIFIED B.C. ASSAYER

WHITE KNIGHT File # 87-5433 Page 1

| SAMPLE#   | NO  | CU  | PB  | ZN  | AG  | NI  | CO  | MO   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA  | P    | LA  | CR  | MG  | BA  | TI  | B   | AL   | NA  | K   | M   |
|-----------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|           | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %   | %    | PPM | PPM | %   | PPM | %   | PPM | %    | %   | %   | PPM |
| DC. 1.87  | 1   | 23  | 9   | 52  | .2  | 9   | 5   | 176  | 1.78 | 6   | 6   | ND  | 8   | 8   | 1   | 2   | 2   | 29  | .06 | .043 | 11  | 11  | .20 | 70  | .13 | 2   | 2.84 | .02 | .09 | 1   |
| DC. 2.87  | 1   | 23  | 12  | 70  | .4  | 9   | 5   | 352  | 2.04 | 6   | 5   | ND  | 5   | 5   | 1   | 2   | 2   | 29  | .04 | .072 | 6   | 9   | .13 | 92  | .13 | 4   | 3.29 | .02 | .06 | 1   |
| DC. 3.87  | 1   | 26  | 20  | 94  | .4  | 13  | 8   | 210  | 2.20 | 12  | 5   | ND  | 7   | 6   | 2   | 2   | 2   | 25  | .04 | .031 | 7   | 14  | .23 | 89  | .11 | 4   | 2.82 | .01 | .13 | 1   |
| DC. 4.87  | 1   | 19  | 34  | 57  | 1.2 | 8   | 5   | 128  | 1.90 | 2   | 5   | ND  | 4   | 6   | 1   | 2   | 2   | 28  | .04 | .041 | 8   | 8   | .10 | 72  | .13 | 2   | 3.00 | .02 | .05 | 1   |
| DC. 5.87  | 1   | 16  | 19  | 65  | .2  | 11  | 6   | 270  | 2.27 | 9   | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 31  | .05 | .070 | 8   | 11  | .15 | 112 | .13 | 6   | 2.89 | .02 | .11 | 1   |
| DC. 6.87  | 1   | 14  | 16  | 64  | .1  | 13  | 5   | 384  | 1.99 | 8   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 26  | .04 | .052 | 7   | 17  | .20 | 82  | .13 | 2   | 2.22 | .01 | .13 | 1   |
| DC. 7.87  | 1   | 20  | 23  | 73  | .4  | 11  | 7   | 425  | 2.12 | 6   | 5   | ND  | 7   | 8   | 1   | 2   | 2   | 30  | .07 | .048 | 11  | 13  | .19 | 123 | .15 | 2   | 2.92 | .02 | .10 | 1   |
| DC. 8.87  | 1   | 16  | 26  | 92  | .5  | 13  | 8   | 478  | 2.32 | 15  | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 28  | .04 | .040 | 8   | 13  | .22 | 85  | .13 | 2   | 2.37 | .01 | .12 | 1   |
| DC. 9.87  | 1   | 20  | 22  | 116 | 1.3 | 19  | 9   | 327  | 2.36 | 19  | 5   | ND  | 8   | 8   | 1   | 2   | 2   | 26  | .04 | .042 | 10  | 15  | .26 | 99  | .14 | 2   | 2.66 | .01 | .19 | 1   |
| DC. 10.87 | 1   | 26  | 56  | 144 | 1.0 | 16  | 9   | 431  | 2.59 | 17  | 5   | ND  | 8   | 7   | 2   | 2   | 2   | 27  | .05 | .048 | 8   | 13  | .29 | 113 | .15 | 3   | 2.97 | .01 | .20 | 2   |
| DC. 11.87 | 1   | 32  | 142 | 120 | 1.5 | 15  | 7   | 881  | 2.37 | 21  | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 29  | .05 | .048 | 9   | 14  | .35 | 88  | .13 | 7   | 2.12 | .01 | .16 | 1   |
| DC. 12.87 | 1   | 28  | 69  | 89  | .9  | 13  | 7   | 687  | 2.12 | 22  | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 29  | .05 | .059 | 8   | 11  | .21 | 91  | .16 | 5   | 3.31 | .02 | .10 | 1   |
| DC. 13.87 | 1   | 20  | 61  | 99  | 1.5 | 13  | 9   | 327  | 2.33 | 15  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 30  | .05 | .151 | 7   | 12  | .18 | 94  | .14 | 2   | 3.17 | .02 | .09 | 1   |
| DC. 14.87 | 1   | 31  | 128 | 104 | 1.8 | 17  | 11  | 416  | 2.38 | 19  | 5   | ND  | 7   | 9   | 1   | 2   | 2   | 28  | .07 | .067 | 9   | 14  | .22 | 104 | .14 | 2   | 3.34 | .02 | .12 | 1   |
| DC. 15.87 | 1   | 27  | 87  | 135 | 2.8 | 26  | 11  | 385  | 2.32 | 13  | 5   | ND  | 6   | 8   | 1   | 2   | 2   | 30  | .06 | .048 | 11  | 46  | .31 | 99  | .14 | 2   | 2.64 | .01 | .11 | 1   |
| DC. 16.87 | 1   | 22  | 89  | 121 | 1.7 | 17  | 12  | 314  | 2.26 | 13  | 5   | ND  | 7   | 10  | 3   | 2   | 2   | 28  | .07 | .074 | 9   | 16  | .22 | 97  | .15 | 5   | 3.81 | .02 | .10 | 1   |
| DC. 17.87 | 1   | 17  | 45  | 92  | 1.0 | 12  | 8   | 291  | 1.93 | 6   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 28  | .10 | .062 | 9   | 13  | .33 | 88  | .09 | 2   | 1.69 | .01 | .09 | 1   |
| DC. 18.87 | 1   | 19  | 46  | 108 | 1.2 | 16  | 9   | 305  | 2.18 | 11  | 5   | ND  | 5   | 9   | 1   | 2   | 2   | 29  | .07 | .075 | 7   | 14  | .23 | 99  | .14 | 6   | 2.97 | .02 | .09 | 1   |
| DC. 19.87 | 1   | 26  | 46  | 81  | 2.9 | 15  | 8   | 268  | 2.15 | 8   | 5   | ND  | 6   | 10  | 1   | 2   | 2   | 29  | .10 | .053 | 8   | 13  | .27 | 99  | .14 | 3   | 3.09 | .02 | .10 | 1   |
| DC. 20.87 | 1   | 24  | 56  | 110 | 2.0 | 14  | 8   | 423  | 1.92 | 8   | 5   | ND  | 8   | 11  | 2   | 2   | 2   | 26  | .09 | .050 | 12  | 13  | .27 | 110 | .12 | 11  | 2.60 | .02 | .11 | 1   |
| DC. 21.87 | 1   | 19  | 30  | 74  | .5  | 12  | 7   | 323  | 2.17 | 6   | 5   | ND  | 7   | 14  | 1   | 2   | 2   | 29  | .09 | .079 | 9   | 12  | .25 | 119 | .13 | 3   | 2.96 | .02 | .11 | 1   |
| DC. 22.87 | 1   | 15  | 29  | 79  | .6  | 10  | 6   | 160  | 2.19 | 5   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 28  | .10 | .032 | 9   | 13  | .26 | 107 | .12 | 2   | 2.15 | .01 | .10 | 1   |
| DC. 23.87 | 1   | 32  | 46  | 88  | .2  | 13  | 6   | 170  | 2.03 | 3   | 5   | ND  | 6   | 18  | 1   | 2   | 2   | 28  | .13 | .115 | 10  | 17  | .42 | 76  | .10 | 2   | 1.46 | .02 | .15 | 1   |
| DC. 24.87 | 1   | 25  | 63  | 202 | .3  | 18  | 8   | 400  | 2.20 | 7   | 5   | ND  | 5   | 11  | 1   | 2   | 2   | 24  | .06 | .026 | 12  | 22  | .48 | 124 | .12 | 2   | 1.57 | .01 | .35 | 1   |
| DC. 25.87 | 1   | 31  | 40  | 112 | 1.2 | 18  | 9   | 326  | 2.37 | 2   | 5   | ND  | 6   | 16  | 1   | 2   | 2   | 32  | .13 | .053 | 12  | 20  | .43 | 131 | .13 | 2   | 2.37 | .02 | .21 | 1   |
| DC. 26.87 | 1   | 74  | 41  | 115 | .3  | 22  | 14  | 308  | 3.08 | 3   | 5   | ND  | 7   | 15  | 1   | 2   | 2   | 31  | .16 | .053 | 10  | 25  | .61 | 200 | .15 | 2   | 3.05 | .02 | .21 | 1   |
| DC. 27.87 | 1   | 22  | 19  | 114 | .2  | 16  | 8   | 602  | 1.93 | 2   | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 30  | .13 | .150 | 7   | 14  | .32 | 143 | .11 | 4   | 2.04 | .03 | .12 | 1   |
| DC. 28.87 | 1   | 26  | 24  | 74  | .5  | 15  | 8   | 418  | 1.98 | 3   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 32  | .15 | .043 | 11  | 18  | .40 | 100 | .09 | 2   | 2.03 | .02 | .11 | 1   |
| DC. 29.87 | 1   | 44  | 33  | 115 | .3  | 22  | 13  | 519  | 2.97 | 2   | 5   | ND  | 6   | 8   | 2   | 2   | 2   | 48  | .12 | .071 | 10  | 25  | .65 | 122 | .13 | 5   | 2.39 | .02 | .22 | 1   |
| DC. 30.87 | 1   | 25  | 19  | 115 | .1  | 13  | 8   | 421  | 1.82 | 2   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 26  | .11 | .252 | 10  | 15  | .32 | 169 | .10 | 3   | 1.77 | .02 | .13 | 1   |
| DC. 31.87 | 1   | 27  | 22  | 110 | .2  | 18  | 9   | 254  | 2.10 | 2   | 5   | ND  | 5   | 13  | 1   | 2   | 2   | 34  | .16 | .109 | 10  | 17  | .45 | 108 | .10 | 2   | 2.02 | .02 | .16 | 1   |
| DC. 32.87 | 1   | 39  | 19  | 63  | .1  | 15  | 9   | 279  | 2.11 | 2   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 37  | .19 | .044 | 10  | 20  | .65 | 58  | .10 | 4   | 1.34 | .02 | .22 | 1   |
| DC. 33.87 | 1   | 19  | 26  | 105 | .1  | 16  | 8   | 343  | 2.03 | 3   | 5   | ND  | 8   | 19  | 1   | 2   | 2   | 28  | .20 | .150 | 8   | 14  | .32 | 190 | .12 | 2   | 1.99 | .03 | .15 | 1   |
| DC. 34.87 | 1   | 29  | 17  | 61  | .1  | 19  | 9   | 188  | 1.98 | 2   | 5   | ND  | 6   | 12  | 1   | 2   | 2   | 36  | .15 | .063 | 9   | 16  | .53 | 97  | .09 | 3   | 1.63 | .03 | .18 | 1   |
| DC. 35.87 | 1   | 31  | 16  | 33  | .1  | 16  | 8   | 228  | 2.06 | 2   | 5   | ND  | 3   | 10  | 1   | 2   | 2   | 37  | .16 | .046 | 10  | 18  | .68 | 75  | .09 | 2   | 1.29 | .02 | .22 | 1   |
| DC. 36.87 | 1   | 22  | 27  | 91  | .1  | 16  | 8   | 330  | 1.98 | 3   | 5   | ND  | 6   | 15  | 1   | 2   | 2   | 30  | .16 | .079 | 11  | 19  | .48 | 133 | .10 | 2   | 1.39 | .02 | .16 | 1   |
| STD C     | 20  | 61  | 41  | 131 | 7.7 | 71  | 29  | 1048 | 4.18 | 41  | 18  | 8   | 48  | 33  | 18  | 17  | 19  | 63  | .50 | .098 | 41  | 60  | .89 | 186 | .09 | 38  | 1.93 | .07 | .14 | 12  |

| SAMPLE#   | MO  | CU  | PB  | ZN  | AS  | NI  | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA  | P    | LA  | CR  | MS  | BA  | TI  | B   | AL   | NA  | K   | N   |
|-----------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|           | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH  | %    | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | %   | %    | PPH | PPH | %   | PPH | %   | PPH | %    | %   | %   | PPH |
| DC. 37.87 | 1   | 23  | 19  | 74  | .3  | 15  | 8   | 249  | 2.00 | 2   | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 32  | .14 | .137 | 8   | 19  | .29 | 127 | .12 | 2   | 2.39 | .02 | .10 | 1   |
| DC. 38.87 | 1   | 23  | 32  | 103 | .7  | 13  | 7   | 462  | 1.72 | 2   | 5   | ND  | 4   | 16  | 1   | 2   | 2   | 26  | .14 | .104 | 8   | 10  | .24 | 178 | .11 | 3   | 1.82 | .02 | .12 | 1   |
| DC. 39.87 | 1   | 26  | 32  | 152 | 1.9 | 14  | 9   | 235  | 1.99 | 2   | 5   | ND  | 6   | 17  | 1   | 2   | 2   | 30  | .16 | .033 | 9   | 11  | .33 | 116 | .10 | 3   | 1.67 | .01 | .13 | 1   |
| DC. 40.87 | 1   | 22  | 27  | 107 | 1.1 | 15  | 8   | 325  | 1.81 | 2   | 5   | ND  | 6   | 19  | 1   | 2   | 2   | 26  | .15 | .094 | 9   | 9   | .16 | 111 | .14 | 3   | 2.88 | .03 | .07 | 1   |
| DC. 41.87 | 1   | 20  | 13  | 77  | .7  | 17  | 7   | 178  | 1.72 | 2   | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 26  | .12 | .068 | 9   | 12  | .23 | 85  | .12 | 7   | 2.27 | .02 | .10 | 1   |
| DC. 42.87 | 1   | 34  | 36  | 89  | .2  | 13  | 10  | 540  | 2.70 | 2   | 5   | ND  | 6   | 12  | 1   | 2   | 2   | 28  | .13 | .045 | 16  | 15  | .49 | 76  | .12 | 4   | 1.30 | .01 | .31 | 1   |
| DC. 43.87 | 1   | 31  | 37  | 70  | 1.0 | 14  | 7   | 216  | 1.98 | 2   | 5   | ND  | 8   | 13  | 1   | 2   | 2   | 26  | .11 | .050 | 14  | 12  | .32 | 104 | .11 | 9   | 2.11 | .02 | .18 | 1   |
| DC. 44.87 | 1   | 23  | 25  | 67  | .5  | 13  | 7   | 209  | 1.80 | 2   | 5   | ND  | 7   | 18  | 1   | 2   | 2   | 24  | .14 | .034 | 11  | 12  | .29 | 128 | .10 | 2   | 2.11 | .02 | .16 | 1   |
| DC. 45.87 | 1   | 19  | 26  | 102 | .7  | 22  | 11  | 547  | 2.40 | 3   | 5   | ND  | 9   | 15  | 1   | 2   | 2   | 22  | .12 | .124 | 18  | 16  | .38 | 159 | .14 | 4   | 2.05 | .01 | .40 | 1   |
| DC. 46.87 | 1   | 44  | 32  | 83  | .7  | 16  | 9   | 192  | 2.41 | 2   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 36  | .10 | .055 | 10  | 16  | .43 | 88  | .12 | 4   | 1.88 | .02 | .24 | 1   |
| DC. 47.87 | 1   | 31  | 33  | 94  | .7  | 18  | 9   | 273  | 2.65 | 7   | 5   | ND  | 7   | 12  | 1   | 2   | 2   | 27  | .10 | .165 | 15  | 21  | .50 | 123 | .12 | 2   | 2.03 | .01 | .30 | 1   |
| DC. 48.87 | 1   | 18  | 25  | 103 | .4  | 13  | 8   | 369  | 2.33 | 2   | 5   | ND  | 7   | 14  | 1   | 2   | 2   | 27  | .15 | .119 | 12  | 17  | .47 | 153 | .11 | 3   | 1.44 | .01 | .20 | 1   |
| DC. 49.87 | 1   | 22  | 26  | 74  | .3  | 14  | 8   | 392  | 2.11 | 2   | 5   | ND  | 7   | 20  | 1   | 2   | 2   | 20  | .14 | .056 | 20  | 15  | .42 | 113 | .10 | 2   | 1.34 | .01 | .36 | 1   |
| DC. 50.87 | 1   | 27  | 21  | 50  | .1  | 12  | 6   | 211  | 1.88 | 2   | 5   | ND  | 4   | 9   | 1   | 2   | 2   | 30  | .12 | .021 | 10  | 13  | .45 | 51  | .08 | 3   | 1.16 | .01 | .20 | 1   |
| DC. 51.87 | 1   | 25  | 12  | 47  | .1  | 10  | 6   | 157  | 1.71 | 2   | 5   | ND  | 4   | 9   | 1   | 2   | 2   | 32  | .14 | .014 | 10  | 10  | .45 | 53  | .06 | 2   | 1.06 | .01 | .10 | 1   |
| DC. 52.87 | 1   | 22  | 18  | 68  | .4  | 10  | 6   | 231  | 1.71 | 2   | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 30  | .12 | .051 | 8   | 9   | .31 | 78  | .08 | 5   | 1.53 | .02 | .08 | 1   |
| DC. 53.87 | 1   | 20  | 15  | 61  | .3  | 14  | 7   | 319  | 2.01 | 5   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 25  | .09 | .079 | 9   | 13  | .20 | 162 | .13 | 4   | 3.14 | .02 | .12 | 1   |
| DC. 54.87 | 1   | 17  | 11  | 47  | .1  | 18  | 7   | 129  | 2.07 | 3   | 5   | ND  | 9   | 9   | 1   | 2   | 2   | 21  | .05 | .027 | 9   | 17  | .22 | 87  | .12 | 2   | 2.77 | .01 | .14 | 3   |
| DC. 55.87 | 1   | 21  | 16  | 59  | .1  | 15  | 7   | 228  | 2.16 | 2   | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 24  | .06 | .031 | 12  | 18  | .34 | 118 | .09 | 2   | 1.93 | .01 | .15 | 1   |
| DC. 56.87 | 1   | 18  | 15  | 36  | .2  | 11  | 6   | 187  | 1.79 | 5   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 25  | .04 | .037 | 8   | 10  | .19 | 84  | .13 | 2   | 3.07 | .02 | .10 | 2   |
| DC. 57.87 | 1   | 60  | 12  | 54  | .3  | 20  | 8   | 257  | 2.19 | 2   | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 33  | .11 | .027 | 9   | 22  | .40 | 128 | .15 | 2   | 2.31 | .01 | .23 | 1   |
| DC. 58.87 | 1   | 33  | 7   | 65  | .6  | 18  | 9   | 435  | 2.26 | 2   | 5   | ND  | 4   | 8   | 1   | 2   | 2   | 36  | .07 | .055 | 5   | 48  | .43 | 80  | .14 | 7   | 3.07 | .02 | .12 | 1   |
| DC. 59.87 | 1   | 37  | 8   | 63  | .1  | 26  | 11  | 237  | 2.34 | 5   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 29  | .08 | .018 | 8   | 34  | .50 | 103 | .12 | 2   | 2.53 | .01 | .18 | 1   |
| DC. 60.87 | 1   | 51  | 13  | 44  | .4  | 12  | 7   | 356  | 2.14 | 29  | 5   | ND  | 6   | 8   | 2   | 2   | 2   | 27  | .05 | .035 | 10  | 15  | .36 | 110 | .14 | 7   | 2.29 | .01 | .22 | 2   |
| DC. 61.87 | 1   | 55  | 11  | 41  | .4  | 12  | 7   | 288  | 2.24 | 45  | 5   | ND  | 7   | 9   | 1   | 2   | 2   | 27  | .06 | .046 | 8   | 15  | .25 | 98  | .14 | 2   | 3.05 | .01 | .18 | 1   |
| DC. 62.87 | 1   | 16  | 35  | 55  | .5  | 10  | 8   | 199  | 2.26 | 6   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 28  | .04 | .045 | 7   | 11  | .16 | 71  | .13 | 5   | 3.38 | .02 | .08 | 1   |
| DC. 63.87 | 1   | 19  | 35  | 55  | 1.0 | 10  | 5   | 124  | 1.82 | 6   | 5   | ND  | 5   | 3   | 2   | 2   | 2   | 24  | .04 | .028 | 7   | 12  | .17 | 66  | .10 | 5   | 2.40 | .01 | .08 | 1   |
| DC. 64.87 | 1   | 25  | 61  | 60  | .8  | 10  | 6   | 652  | 1.89 | 14  | 5   | ND  | 7   | 5   | 1   | 2   | 2   | 22  | .03 | .017 | 10  | 13  | .24 | 90  | .10 | 2   | 1.72 | .01 | .12 | 1   |
| DC. 65.87 | 1   | 28  | 49  | 74  | .6  | 14  | 7   | 167  | 2.39 | 18  | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 27  | .04 | .032 | 10  | 18  | .32 | 101 | .12 | 4   | 2.61 | .01 | .15 | 1   |
| DC. 66.87 | 1   | 31  | 39  | 62  | 1.0 | 12  | 5   | 147  | 2.04 | 11  | 5   | ND  | 7   | 8   | 1   | 2   | 2   | 26  | .05 | .038 | 10  | 12  | .22 | 75  | .13 | 2   | 3.49 | .02 | .11 | 1   |
| DC. 67.87 | 1   | 22  | 49  | 73  | 1.0 | 12  | 7   | 451  | 2.03 | 17  | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 27  | .05 | .043 | 18  | 12  | .20 | 74  | .14 | 2   | 2.71 | .02 | .10 | 1   |
| DC. 68.87 | 1   | 25  | 83  | 70  | .1  | 8   | 4   | 278  | 2.11 | 18  | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 27  | .03 | .024 | 10  | 12  | .27 | 56  | .11 | 4   | 1.30 | .01 | .12 | 1   |
| DC. 69.87 | 1   | 20  | 65  | 71  | .8  | 11  | 7   | 470  | 2.23 | 10  | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 30  | .05 | .031 | 6   | 12  | .19 | 65  | .12 | 4   | 2.62 | .02 | .09 | 1   |
| DC. 70.87 | 1   | 31  | 128 | 88  | 1.6 | 13  | 7   | 220  | 2.76 | 30  | 5   | ND  | 6   | 5   | 1   | 2   | 2   | 33  | .03 | .039 | 8   | 20  | .28 | 61  | .12 | 3   | 2.17 | .01 | .13 | 1   |
| DC. 71.87 | 1   | 41  | 111 | 155 | 2.5 | 13  | 10  | 251  | 1.94 | 9   | 5   | ND  | 9   | 8   | 1   | 2   | 2   | 23  | .04 | .045 | 15  | 14  | .23 | 82  | .13 | 3   | 2.85 | .02 | .11 | 1   |
| DC. 72.87 | 1   | 57  | 460 | 81  | 1.0 | 11  | 4   | 158  | 2.48 | 38  | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 25  | .04 | .021 | 12  | 23  | .36 | 52  | .09 | 2   | 1.79 | .01 | .15 | 1   |
| STD C     | 18  | 62  | 38  | 131 | 7.5 | 69  | 28  | 1041 | 4.04 | 40  | 22  | 8   | 40  | 32  | 18  | 17  | 19  | 61  | .50 | .087 | 39  | 61  | .88 | 178 | .09 | 37  | 1.84 | .07 | .14 | 12  |

| SAMPLE#    | NO<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AG<br>PPM | NI<br>PPM | CO<br>PPM | MM<br>PPM | FE<br>% | AS<br>PPM | U<br>PPM | AU<br>PPM | 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>% | #<br>PPM |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| DC. 73.87  | 1         | 24        | 77        | 68        | .3        | 11        | 4         | 176       | 2.35    | 16        | 5        | ND        | 6         | 6         | 1         | 2         | 2         | 24       | .05     | .031   | 12        | 26        | .36     | 57        | .09     | 2        | 1.40    | .01     | .14    | 1        |
| DC. 74.87  | 1         | 22        | 60        | 91        | .6        | 11        | 8         | 244       | 2.01    | 5         | 5        | ND        | 7         | 9         | 1         | 2         | 2         | 25       | .06     | .051   | 7         | 13        | .20     | 71        | .13     | 4        | 3.44    | .02     | .07    | 1        |
| DC. 75.87  | 1         | 18        | 71        | 104       | .6        | 11        | 5         | 121       | 3.57    | 17        | 5        | ND        | 8         | 8         | 1         | 2         | 2         | 39       | .05     | .067   | 8         | 19        | .24     | 60        | .12     | 2        | 3.57    | .01     | .08    | 2        |
| DC. 76.87  | 1         | 26        | 142       | 100       | .9        | 9         | 5         | 199       | 2.34    | 20        | 5        | ND        | 7         | 5         | 1         | 2         | 4         | 31       | .04     | .033   | 11        | 14        | .32     | 63        | .12     | 3        | 2.41    | .01     | .07    | 1        |
| DC. 77.87  | 1         | 22        | 87        | 246       | 1.5       | 14        | 10        | 477       | 3.37    | 109       | 5        | ND        | 9         | 6         | 1         | 3         | 4         | 31       | .07     | .025   | 7         | 22        | 1.67    | 70        | .12     | 5        | 3.53    | .01     | .10    | 6        |
| DC. 78.87  | 1         | 50        | 544       | 587       | 1.9       | 34        | 13        | 410       | 2.64    | 8         | 5        | ND        | 6         | 7         | 1         | 2         | 2         | 41       | .15     | .056   | 11        | 59        | .55     | 86        | .11     | 2        | 3.08    | .02     | .14    | 2        |
| DC. 79.87  | 1         | 20        | 22        | 68        | .5        | 12        | 6         | 136       | 1.98    | 2         | 5        | ND        | 5         | 6         | 1         | 2         | 2         | 32       | .10     | .040   | 9         | 14        | .29     | 58        | .10     | 2        | 2.11    | .02     | .09    | 1        |
| DC. 80.87  | 1         | 25        | 40        | 84        | 1.6       | 15        | 9         | 167       | 2.21    | 2         | 5        | ND        | 6         | 6         | 1         | 2         | 2         | 36       | .13     | .038   | 10        | 22        | .43     | 81        | .08     | 2        | 1.95    | .01     | .13    | 1        |
| DC. 81.87  | 1         | 18        | 12        | 96        | .6        | 14        | 8         | 124       | 1.99    | 3         | 5        | ND        | 5         | 6         | 1         | 2         | 2         | 30       | .11     | .051   | 10        | 14        | .39     | 76        | .08     | 2        | 1.72    | .01     | .11    | 1        |
| DC. 82.87  | 1         | 44        | 24        | 83        | .4        | 15        | 10        | 392       | 2.36    | 3         | 5        | ND        | 6         | 8         | 1         | 2         | 2         | 38       | .15     | .050   | 10        | 19        | .41     | 112       | .10     | 2        | 1.88    | .02     | .14    | 1        |
| DC. 83.87  | 1         | 24        | 18        | 65        | .5        | 11        | 8         | 283       | 2.02    | 2         | 5        | ND        | 5         | 5         | 1         | 2         | 2         | 30       | .08     | .085   | 9         | 13        | .30     | 84        | .08     | 3        | 1.92    | .01     | .10    | 1        |
| DC. 84.87  | 1         | 14        | 13        | 62        | .1        | 10        | 6         | 361       | 1.78    | 4         | 5        | ND        | 3         | 8         | 1         | 2         | 2         | 30       | .12     | .076   | 7         | 11        | .27     | 84        | .07     | 2        | 1.40    | .02     | .08    | 1        |
| DC. 85.87  | 1         | 23        | 19        | 71        | .1        | 11        | 9         | 249       | 1.98    | 2         | 5        | ND        | 4         | 8         | 1         | 2         | 2         | 31       | .11     | .071   | 9         | 13        | .34     | 72        | .09     | 2        | 1.82    | .02     | .10    | 1        |
| DC. 86.87  | 1         | 20        | 26        | 100       | .3        | 14        | 11        | 375       | 2.24    | 2         | 5        | ND        | 3         | 11        | 1         | 2         | 2         | 31       | .12     | .112   | 9         | 13        | .31     | 130       | .10     | 2        | 2.28    | .02     | .13    | 1        |
| DC. 87.87  | 1         | 23        | 19        | 94        | .3        | 14        | 9         | 608       | 2.04    | 2         | 5        | ND        | 6         | 10        | 1         | 3         | 2         | 31       | .11     | .066   | 11        | 14        | .34     | 98        | .11     | 2        | 2.16    | .02     | .13    | 1        |
| DC. 88.87  | 1         | 25        | 17        | 84        | .3        | 13        | 8         | 359       | 2.00    | 2         | 5        | ND        | 3         | 11        | 1         | 2         | 2         | 31       | .13     | .058   | 9         | 14        | .35     | 89        | .10     | 4        | 2.00    | .02     | .11    | 1        |
| DC. 89.87  | 1         | 28        | 19        | 76        | .2        | 14        | 8         | 173       | 2.01    | 2         | 5        | ND        | 6         | 9         | 1         | 2         | 3         | 32       | .13     | .025   | 10        | 14        | .43     | 99        | .08     | 3        | 1.63    | .02     | .14    | 1        |
| DC. 90.87  | 1         | 21        | 14        | 57        | .1        | 8         | 6         | 178       | 1.94    | 4         | 5        | ND        | 4         | 11        | 1         | 2         | 2         | 30       | .08     | .068   | 7         | 9         | .16     | 71        | .14     | 4        | 2.48    | .02     | .04    | 1        |
| DC. 91.87  | 1         | 21        | 22        | 61        | .4        | 10        | 11        | 333       | 2.51    | 2         | 5        | ND        | 4         | 10        | 1         | 2         | 2         | 40       | .09     | .035   | 9         | 12        | .25     | 81        | .13     | 2        | 2.55    | .02     | .08    | 1        |
| DC. 92.87  | 1         | 51        | 20        | 79        | .1        | 19        | 10        | 243       | 2.68    | 4         | 5        | ND        | 6         | 11        | 1         | 2         | 3         | 47       | .13     | .053   | 9         | 27        | .71     | 98        | .10     | 2        | 2.31    | .01     | .13    | 1        |
| DC. 93.87  | 1         | 47        | 19        | 64        | .3        | 16        | 9         | 339       | 2.42    | 3         | 5        | ND        | 6         | 13        | 1         | 2         | 2         | 43       | .13     | .059   | 8         | 17        | .36     | 107       | .13     | 4        | 2.88    | .02     | .11    | 1        |
| DC. 94.87  | 1         | 45        | 24        | 59        | .3        | 13        | 8         | 198       | 2.24    | 2         | 5        | ND        | 6         | 12        | 2         | 3         | 2         | 37       | .12     | .043   | 10        | 16        | .36     | 109       | .13     | 2        | 3.06    | .02     | .10    | 1        |
| DC. 95.87  | 1         | 29        | 21        | 62        | .6        | 12        | 8         | 376       | 2.23    | 2         | 5        | ND        | 5         | 12        | 1         | 2         | 2         | 37       | .13     | .050   | 9         | 14        | .33     | 91        | .12     | 4        | 2.47    | .02     | .10    | 1        |
| DC. 96.87  | 1         | 38        | 26        | 79        | .3        | 16        | 9         | 346       | 2.61    | 5         | 5        | ND        | 3         | 13        | 1         | 2         | 2         | 49       | .11     | .035   | 8         | 17        | .36     | 114       | .13     | 2        | 2.89    | .02     | .12    | 1        |
| DC. 97.87  | 1         | 26        | 18        | 84        | .4        | 14        | 8         | 324       | 2.27    | 2         | 5        | ND        | 5         | 13        | 1         | 2         | 2         | 37       | .11     | .076   | 9         | 13        | .28     | 105       | .13     | 5        | 2.94    | .02     | .11    | 1        |
| DC. 98.87  | 1         | 27        | 18        | 116       | .1        | 15        | 8         | 360       | 2.17    | 2         | 5        | ND        | 4         | 11        | 1         | 2         | 2         | 36       | .10     | .108   | 9         | 15        | .32     | 141       | .11     | 2        | 2.46    | .02     | .10    | 1        |
| DC. 99.87  | 1         | 26        | 17        | 65        | .1        | 10        | 7         | 196       | 1.85    | 2         | 5        | ND        | 4         | 10        | 1         | 3         | 2         | 38       | .13     | .038   | 10        | 10        | .37     | 93        | .06     | 6        | 1.37    | .02     | .11    | 1        |
| DC. 100.87 | 1         | 55        | 27        | 94        | .2        | 21        | 11        | 260       | 2.32    | 4         | 5        | ND        | 7         | 8         | 1         | 2         | 4         | 33       | .11     | .096   | 12        | 25        | .64     | 119       | .12     | 3        | 1.83    | .01     | .28    | 1        |
| DC. 101.87 | 1         | 63        | 19        | 69        | .1        | 24        | 12        | 171       | 2.84    | 4         | 5        | ND        | 8         | 9         | 1         | 2         | 2         | 56       | .10     | .044   | 9         | 29        | .50     | 129       | .14     | 2        | 2.46    | .01     | .28    | 1        |
| DC. 102.87 | 1         | 41        | 13        | 80        | .1        | 21        | 10        | 340       | 2.58    | 4         | 5        | ND        | 6         | 9         | 1         | 2         | 2         | 38       | .09     | .028   | 13        | 23        | .54     | 101       | .14     | 2        | 2.08    | .01     | .33    | 1        |
| DC. 103.87 | 1         | 37        | 21        | 78        | .6        | 18        | 10        | 134       | 2.24    | 2         | 5        | ND        | 6         | 10        | 1         | 2         | 2         | 33       | .11     | .021   | 9         | 16        | .42     | 103       | .12     | 2        | 2.31    | .02     | .18    | 1        |
| DC. 104.87 | 1         | 24        | 19        | 103       | .3        | 17        | 10        | 381       | 1.88    | 2         | 5        | ND        | 5         | 15        | 1         | 2         | 2         | 29       | .14     | .046   | 11        | 12        | .33     | 149       | .10     | 3        | 1.97    | .02     | .15    | 1        |
| DC. 105.87 | 1         | 35        | 22        | 148       | .6        | 20        | 10        | 398       | 1.97    | 2         | 5        | ND        | 7         | 11        | 1         | 2         | 2         | 29       | .09     | .058   | 11        | 13        | .28     | 130       | .13     | 2        | 2.54    | .02     | .11    | 1        |
| DC. 106.87 | 1         | 33        | 21        | 116       | .6        | 16        | 9         | 500       | 2.11    | 4         | 5        | ND        | 7         | 12        | 1         | 2         | 2         | 30       | .12     | .127   | 19        | 13        | .35     | 143       | .11     | 2        | 2.30    | .02     | .17    | 1        |
| DC. 107.87 | 1         | 33        | 27        | 104       | .4        | 18        | 9         | 230       | 2.18    | 5         | 5        | ND        | 6         | 14        | 1         | 2         | 2         | 36       | .17     | .083   | 9         | 13        | .33     | 131       | .11     | 2        | 2.74    | .02     | .13    | 1        |
| DC. 108.87 | 1         | 35        | 16        | 76        | .2        | 13        | 10        | 257       | 2.35    | 2         | 5        | ND        | 5         | 7         | 1         | 3         | 3         | 34       | .12     | .030   | 10        | 16        | .54     | 83        | .09     | 7        | 1.50    | .02     | .22    | 2        |
| STD C      | 18        | 62        | 37        | 132       | 7.4       | 70        | 29        | 1051      | 4.01    | 41        | 14       | 8         | 40        | 33        | 17        | 17        | 20        | 60       | .51     | .087   | 40        | 61        | .90     | 181       | .08     | 38       | 1.86    | .07     | .14    | 12       |



| SAMPLE#    | MG<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AS<br>PPM | NI<br>PPM | CO<br>PPM | MN<br>PPM | FE<br>% | AS<br>PPM | U<br>PPM | AU<br>PPM | TH<br>PPM | SR<br>PPM | CD<br>PPM | SB<br>PPM | 91<br>PPM | V<br>PPM | CA<br>% | P<br>% | LA<br>PPM | CR<br>PPM | MS<br>% | BA<br>PPM | TI<br>% | B<br>PPM | AL<br>% | NA<br>% | K<br>% | H<br>PPM |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| DC. 109.87 | 1         | 89        | 11        | 68        | .5        | 19        | 12        | 406       | 2.69    | 2         | 5        | ND        | 7         | 13        | 3         | 2         | 2         | 52       | .29     | .071   | 7         | 24        | .64     | 89        | .11     | 5        | 1.98    | .01     | .19    | 1        |
| DC. 110.87 | 1         | 25        | 17        | 77        | .1        | 12        | 7         | 297       | 1.96    | 2         | 5        | ND        | 6         | 12        | 1         | 2         | 2         | 27       | .10     | .021   | 10        | 15        | .41     | 109       | .09     | 2        | 1.60    | .01     | .19    | 1        |
| DC. 111.87 | 1         | 30        | 32        | 117       | .4        | 18        | 8         | 232       | 1.95    | 3         | 5        | ND        | 7         | 14        | 2         | 2         | 2         | 28       | .13     | .034   | 13        | 12        | .34     | 119       | .12     | 2        | 2.25    | .01     | .16    | 1        |
| DC. 112.87 | 1         | 43        | 33        | 128       | .3        | 19        | 8         | 165       | 2.05    | 3         | 5        | ND        | 6         | 15        | 1         | 2         | 2         | 28       | .12     | .026   | 11        | 13        | .40     | 155       | .11     | 2        | 2.06    | .01     | .20    | 1        |
| DC. 113.87 | 1         | 33        | 27        | 152       | .4        | 16        | 8         | 292       | 1.91    | 2         | 5        | ND        | 7         | 15        | 2         | 2         | 2         | 28       | .12     | .073   | 10        | 12        | .32     | 113       | .12     | 4        | 2.34    | .02     | .14    | 1        |
| DC. 114.87 | 1         | 22        | 31        | 145       | .2        | 15        | 9         | 649       | 1.95    | 3         | 5        | ND        | 5         | 12        | 1         | 2         | 2         | 26       | .11     | .133   | 8         | 12        | .27     | 144       | .11     | 2        | 2.01    | .01     | .12    | 1        |
| DC. 115.87 | 1         | 46        | 28        | 151       | .7        | 20        | 9         | 336       | 2.09    | 5         | 5        | ND        | 7         | 18        | 2         | 2         | 2         | 28       | .17     | .104   | 20        | 14        | .32     | 156       | .13     | 2        | 2.70    | .02     | .16    | 1        |
| DC. 116.87 | 1         | 86        | 46        | 154       | .3        | 30        | 12        | 322       | 3.37    | 6         | 5        | ND        | 13        | 20        | 2         | 2         | 2         | 44       | .13     | .057   | 21        | 23        | .64     | 222       | .17     | 2        | 3.55    | .02     | .45    | 1        |
| DC. 117.87 | 1         | 31        | 13        | 84        | .3        | 14        | 8         | 236       | 2.04    | 2         | 5        | ND        | 7         | 11        | 1         | 2         | 3         | 31       | .19     | .052   | 11        | 15        | .51     | 93        | .08     | 5        | 1.57    | .01     | .25    | 1        |
| DC. 118.87 | 1         | 33        | 23        | 108       | .7        | 15        | 8         | 333       | 2.13    | 3         | 5        | ND        | 7         | 11        | 1         | 2         | 2         | 27       | .12     | .063   | 20        | 15        | .41     | 97        | .09     | 2        | 1.93    | .01     | .23    | 1        |
| DC. 119.87 | 1         | 70        | 18        | 78        | .3        | 17        | 10        | 319       | 2.45    | 2         | 5        | ND        | 7         | 12        | 1         | 2         | 2         | 38       | .14     | .077   | 12        | 20        | .55     | 104       | .12     | 2        | 2.24    | .01     | .23    | 1        |
| DC. 120.87 | 1         | 27        | 13        | 78        | .1        | 13        | 8         | 414       | 2.05    | 2         | 5        | ND        | 6         | 10        | 1         | 2         | 2         | 28       | .09     | .057   | 13        | 16        | .46     | 100       | .08     | 3        | 1.51    | .01     | .27    | 1        |
| DC. 121.87 | 1         | 25        | 18        | 75        | .1        | 12        | 7         | 172       | 1.65    | 2         | 5        | ND        | 3         | 7         | 1         | 2         | 2         | 25       | .07     | .014   | 9         | 10        | .38     | 70        | .07     | 2        | 1.35    | .01     | .15    | 1        |
| DC. 122.87 | 1         | 29        | 32        | 138       | .3        | 17        | 8         | 289       | 1.90    | 4         | 5        | ND        | 5         | 12        | 1         | 2         | 2         | 27       | .11     | .052   | 10        | 12        | .32     | 126       | .11     | 2        | 1.98    | .01     | .16    | 1        |
| DC. 123.87 | 1         | 35        | 28        | 183       | .5        | 20        | 8         | 238       | 1.91    | 3         | 5        | ND        | 7         | 22        | 1         | 2         | 2         | 27       | .18     | .096   | 13        | 13        | .31     | 171       | .11     | 2        | 2.55    | .02     | .15    | 1        |
| DC. 124.87 | 1         | 49        | 29        | 135       | .5        | 20        | 8         | 274       | 2.24    | 3         | 5        | ND        | 9         | 16        | 2         | 2         | 2         | 30       | .13     | .080   | 19        | 15        | .41     | 166       | .11     | 2        | 2.33    | .01     | .25    | 1        |
| DC. 125.87 | 1         | 41        | 44        | 166       | .6        | 19        | 9         | 555       | 2.15    | 4         | 5        | ND        | 8         | 13        | 1         | 2         | 2         | 28       | .11     | .154   | 16        | 14        | .35     | 133       | .11     | 2        | 2.30    | .01     | .20    | 1        |
| DC. 126.87 | 1         | 40        | 31        | 198       | .6        | 21        | 9         | 424       | 2.07    | 3         | 5        | ND        | 7         | 17        | 1         | 2         | 2         | 27       | .14     | .145   | 16        | 14        | .34     | 201       | .12     | 2        | 2.60    | .02     | .19    | 1        |
| DC. 127.87 | 1         | 38        | 24        | 144       | .6        | 21        | 8         | 215       | 2.25    | 3         | 5        | ND        | 8         | 14        | 1         | 2         | 2         | 29       | .11     | .098   | 16        | 15        | .40     | 155       | .11     | 3        | 2.33    | .01     | .24    | 1        |
| DC. 128.87 | 1         | 30        | 36        | 160       | .3        | 21        | 10        | 241       | 2.10    | 2         | 5        | ND        | 5         | 20        | 1         | 2         | 2         | 27       | .16     | .048   | 13        | 14        | .35     | 190       | .12     | 2        | 2.34    | .02     | .21    | 1        |
| DC. 129.87 | 1         | 35        | 32        | 124       | .5        | 20        | 9         | 354       | 2.18    | 2         | 6        | ND        | 7         | 15        | 1         | 2         | 2         | 29       | .12     | .078   | 12        | 13        | .34     | 187       | .14     | 3        | 3.09    | .02     | .18    | 1        |
| DC. 130.87 | 1         | 20        | 17        | 86        | 1.5       | 9         | 7         | 385       | 1.95    | 5         | 5        | ND        | 5         | 8         | 3         | 3         | 2         | 25       | .07     | .093   | 6         | 12        | .16     | 80        | .11     | 2        | 3.18    | .02     | .07    | 1        |
| DC. 131.87 | 1         | 19        | 34        | 93        | 1.2       | 10        | 10        | 785       | 2.42    | 8         | 5        | ND        | 5         | 7         | 1         | 2         | 2         | 30       | .07     | .073   | 6         | 13        | .17     | 108       | .15     | 2        | 3.08    | .02     | .09    | 1        |
| DC. 132.87 | 1         | 14        | 16        | 43        | .1        | 7         | 5         | 173       | 1.60    | 5         | 5        | ND        | 4         | 3         | 1         | 2         | 2         | 17       | .05     | .038   | 7         | 11        | .18     | 56        | .08     | 2        | 1.61    | .01     | .10    | 1        |
| DC. 133.87 | 1         | 13        | 13        | 43        | .2        | 6         | 4         | 560       | 1.72    | 4         | 5        | ND        | 2         | 6         | 1         | 2         | 2         | 25       | .05     | .139   | 5         | 10        | .10     | 74        | .10     | 2        | 2.23    | .01     | .06    | 1        |
| DC. 134.87 | 1         | 26        | 10        | 54        | .1        | 12        | 4         | 167       | 2.62    | 9         | 5        | ND        | 8         | 7         | 1         | 2         | 2         | 26       | .06     | .055   | 12        | 19        | .35     | 70        | .13     | 2        | 1.60    | .01     | .31    | 1        |
| DC. 135.87 | 1         | 17        | 7         | 36        | .4        | 7         | 5         | 172       | 1.65    | 5         | 5        | ND        | 5         | 5         | 1         | 2         | 2         | 20       | .04     | .029   | 9         | 11        | .14     | 76        | .09     | 2        | 2.00    | .01     | .08    | 1        |
| DC. 136.87 | 1         | 17        | 8         | 47        | .1        | 9         | 5         | 317       | 2.01    | 8         | 5        | ND        | 4         | 6         | 1         | 2         | 2         | 24       | .05     | .074   | 8         | 13        | .23     | 87        | .09     | 2        | 1.46    | .01     | .11    | 1        |
| DC. 137.87 | 1         | 17        | 6         | 43        | .3        | 8         | 6         | 132       | 1.79    | 5         | 5        | ND        | 6         | 5         | 1         | 2         | 2         | 22       | .04     | .032   | 7         | 12        | .14     | 81        | .08     | 2        | 2.26    | .01     | .07    | 1        |
| DC. 138.87 | 1         | 17        | 7         | 39        | .3        | 8         | 5         | 340       | 1.73    | 7         | 5        | ND        | 5         | 7         | 1         | 2         | 2         | 23       | .05     | .062   | 6         | 10        | .14     | 72        | .12     | 2        | 3.23    | .02     | .06    | 1        |
| DC. 139.87 | 1         | 24        | 14        | 53        | .2        | 12        | 6         | 187       | 2.13    | 15        | 5        | ND        | 6         | 6         | 1         | 2         | 2         | 23       | .03     | .039   | 11        | 16        | .30     | 95        | .10     | 2        | 2.01    | .01     | .15    | 1        |
| DC. 140.87 | 1         | 18        | 6         | 41        | .2        | 11        | 5         | 343       | 1.68    | 7         | 5        | ND        | 3         | 6         | 1         | 2         | 2         | 21       | .04     | .026   | 8         | 11        | .19     | 73        | .08     | 2        | 1.94    | .01     | .09    | 1        |
| DC. 141.87 | 1         | 23        | 16        | 50        | .2        | 9         | 6         | 1268      | 1.77    | 11        | 5        | ND        | 3         | 9         | 1         | 2         | 2         | 24       | .09     | .060   | 6         | 12        | .17     | 121       | .09     | 2        | 1.88    | .01     | .09    | 1        |
| DC. 142.87 | 1         | 20        | 16        | 81        | .1        | 10        | 5         | 271       | 2.14    | 7         | 5        | ND        | 7         | 5         | 1         | 2         | 2         | 26       | .03     | .050   | 6         | 13        | .19     | 66        | .10     | 2        | 2.54    | .01     | .11    | 1        |
| DC. 143.87 | 1         | 25        | 24        | 91        | .4        | 9         | 4         | 224       | 2.68    | 11        | 5        | ND        | 6         | 4         | 1         | 2         | 2         | 37       | .03     | .068   | 7         | 14        | .18     | 76        | .09     | 2        | 2.62    | .01     | .09    | 1        |
| DC. 144.87 | 1         | 29        | 18        | 76        | .2        | 12        | 5         | 191       | 2.16    | 11        | 5        | ND        | 7         | 5         | 1         | 2         | 2         | 25       | .05     | .037   | 11        | 14        | .28     | 63        | .10     | 2        | 2.37    | .01     | .12    | 1        |
| STD C      | 18        | 61        | 39        | 129       | 7.3       | 68        | 28        | 1037      | 4.02    | 40        | 18       | 7         | 39        | 52        | 16        | 17        | 19        | 59       | .50     | .087   | 39        | 59        | .88     | 177       | .08     | 37       | 1.94    | .06     | .14    | 13       |

| SAMPLE#    | NO  | CU  | PB  | ZN  | AG  | NI  | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BE  | V   | CA  | P    | LA  | CR  | MG  | BA  | TI  | B   | AL   | NA  | K   | W   |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|            | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %   | %    | PPM | PPM | %   | PPM | %   | PPM | %    | %   | %   | PPM |
| DC. 145.87 | 1   | 33  | 9   | 38  | .1  | 10  | 3   | 96   | 2.39 | 64  | 5   | ND  | 9   | 307 | 1   | 2   | 2   | 27  | .09 | .023 | 12  | 12  | .26 | 60  | .14 | 2   | 1.02 | .01 | .23 | 1   |
| DC. 146.87 | 1   | 17  | 11  | 44  | .1  | 8   | 4   | 364  | 2.17 | 11  | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 29  | .05 | .050 | 7   | 12  | .20 | 54  | .08 | 2   | 1.68 | .01 | .10 | 1   |
| DC. 147.87 | 1   | 19  | 10  | 31  | .5  | 16  | 7   | 192  | 2.78 | 15  | 5   | ND  | 8   | 7   | 1   | 2   | 2   | 22  | .03 | .037 | 9   | 16  | .32 | 81  | .10 | 2   | 2.03 | .01 | .27 | 1   |
| DC. 148.87 | 1   | 36  | 21  | 148 | .7  | 19  | 12  | 192  | 2.26 | 13  | 5   | ND  | 10  | 8   | 1   | 2   | 2   | 21  | .05 | .022 | 10  | 17  | .32 | 104 | .12 | 2   | 2.52 | .01 | .25 | 1   |
| DC. 149.87 | 1   | 26  | 15  | 104 | 1.5 | 15  | 7   | 289  | 2.16 | 11  | 5   | ND  | 8   | 9   | 1   | 2   | 2   | 22  | .07 | .041 | 14  | 15  | .28 | 112 | .13 | 2   | 2.66 | .01 | .21 | 1   |
| DC. 150.87 | 1   | 20  | 157 | 186 | 2.3 | 12  | 7   | 349  | 2.14 | 14  | 5   | ND  | 5   | 10  | 1   | 2   | 3   | 22  | .08 | .067 | 9   | 17  | .49 | 106 | .11 | 2   | 2.45 | .01 | .10 | 1   |
| DC. 151.87 | 1   | 18  | 156 | 155 | .9  | 11  | 6   | 305  | 1.90 | 9   | 5   | ND  | 5   | 10  | 1   | 2   | 2   | 21  | .08 | .048 | 9   | 16  | .43 | 82  | .10 | 2   | 2.32 | .01 | .09 | 1   |
| DC. 152.87 | 1   | 16  | 228 | 233 | 2.5 | 11  | 5   | 156  | 2.17 | 11  | 5   | ND  | 5   | 8   | 1   | 2   | 2   | 21  | .06 | .032 | 10  | 18  | .67 | 64  | .10 | 2   | 2.28 | .01 | .08 | 1   |
| DC. 153.87 | 1   | 18  | 157 | 211 | .7  | 13  | 8   | 549  | 2.09 | 14  | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 23  | .08 | .078 | 8   | 16  | .33 | 97  | .11 | 2   | 2.45 | .01 | .11 | 1   |
| DC. 154.87 | 1   | 26  | 162 | 184 | .7  | 13  | 7   | 281  | 2.49 | 20  | 5   | ND  | 7   | 11  | 1   | 2   | 2   | 26  | .11 | .141 | 11  | 19  | .51 | 105 | .10 | 2   | 2.48 | .01 | .15 | 1   |
| DC. 155.87 | 1   | 31  | 59  | 130 | 1.0 | 15  | 8   | 301  | 2.09 | 6   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 29  | .12 | .037 | 9   | 17  | .35 | 107 | .11 | 2   | 2.46 | .02 | .11 | 1   |
| DC. 156.87 | 1   | 14  | 17  | 68  | .5  | 9   | 4   | 243  | 1.51 | 8   | 5   | ND  | 3   | 15  | 1   | 2   | 2   | 21  | .12 | .151 | 4   | 9   | .10 | 116 | .13 | 2   | 2.92 | .03 | .04 | 2   |
| DC. 157.87 | 1   | 26  | 46  | 94  | 1.4 | 13  | 8   | 225  | 1.96 | 9   | 5   | ND  | 7   | 12  | 1   | 2   | 2   | 24  | .11 | .073 | 10  | 15  | .26 | 97  | .11 | 2   | 2.38 | .01 | .10 | 1   |
| DC. 158.87 | 1   | 19  | 48  | 99  | 2.4 | 12  | 7   | 246  | 1.96 | 7   | 5   | ND  | 5   | 10  | 1   | 2   | 3   | 25  | .08 | .079 | 7   | 13  | .22 | 92  | .13 | 2   | 2.94 | .02 | .09 | 1   |
| DC. 159.87 | 1   | 27  | 95  | 120 | .4  | 12  | 7   | 805  | 2.22 | 16  | 5   | ND  | 5   | 18  | 1   | 2   | 2   | 23  | .12 | .057 | 13  | 19  | .30 | 164 | .10 | 2   | 1.90 | .01 | .17 | 1   |
| DC. 160.87 | 1   | 16  | 38  | 104 | .7  | 12  | 6   | 303  | 1.96 | 9   | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 25  | .09 | .085 | 8   | 12  | .26 | 116 | .11 | 2   | 2.39 | .01 | .10 | 1   |
| DC. 161.87 | 1   | 20  | 38  | 123 | .5  | 13  | 6   | 322  | 2.03 | 6   | 5   | ND  | 4   | 11  | 1   | 2   | 2   | 26  | .10 | .104 | 6   | 11  | .24 | 105 | .12 | 2   | 3.02 | .02 | .08 | 1   |
| DC. 162.87 | 1   | 40  | 27  | 92  | .1  | 14  | 7   | 247  | 2.29 | 4   | 5   | ND  | 3   | 10  | 1   | 2   | 2   | 34  | .13 | .134 | 8   | 17  | .41 | 99  | .10 | 2   | 1.82 | .01 | .13 | 1   |
| DC. 163.87 | 1   | 10  | 27  | 42  | .2  | 6   | 3   | 164  | 1.18 | 2   | 5   | ND  | 3   | 8   | 1   | 2   | 2   | 17  | .08 | .025 | 7   | 10  | .21 | 56  | .07 | 3   | .74  | .01 | .12 | 1   |
| DC. 164.87 | 1   | 12  | 46  | 144 | .1  | 12  | 7   | 318  | 1.72 | 4   | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 17  | .07 | .037 | 8   | 16  | .31 | 127 | .10 | 2   | 1.33 | .01 | .22 | 1   |
| DC. 165.87 | 1   | 29  | 75  | 168 | .9  | 16  | 9   | 152  | 2.06 | 5   | 5   | ND  | 9   | 9   | 1   | 2   | 2   | 25  | .07 | .042 | 8   | 15  | .32 | 103 | .11 | 5   | 2.33 | .01 | .16 | 1   |
| DC. 166.87 | 1   | 23  | 31  | 114 | 1.0 | 14  | 7   | 441  | 1.94 | 6   | 5   | ND  | 4   | 10  | 1   | 3   | 2   | 27  | .09 | .049 | 8   | 14  | .29 | 123 | .12 | 2   | 2.30 | .02 | .12 | 1   |
| DC. 167.87 | 1   | 26  | 20  | 83  | .4  | 14  | 7   | 385  | 1.86 | 7   | 5   | ND  | 5   | 24  | 1   | 2   | 2   | 28  | .17 | .240 | 6   | 14  | .24 | 131 | .11 | 5   | 2.74 | .02 | .09 | 1   |
| DC. 168.87 | 1   | 31  | 94  | 179 | .3  | 16  | 9   | 284  | 2.50 | 6   | 5   | ND  | 8   | 13  | 1   | 2   | 2   | 28  | .11 | .053 | 13  | 19  | .51 | 120 | .11 | 4   | 1.85 | .01 | .35 | 1   |
| DC. 169.87 | 1   | 25  | 15  | 84  | .2  | 14  | 7   | 226  | 1.91 | 3   | 5   | ND  | 5   | 11  | 1   | 2   | 2   | 26  | .12 | .061 | 9   | 13  | .39 | 91  | .09 | 7   | 1.53 | .01 | .17 | 1   |
| DC. 170.87 | 1   | 14  | 10  | 59  | .1  | 10  | 5   | 156  | 1.43 | 2   | 5   | ND  | 4   | 9   | 1   | 2   | 2   | 22  | .11 | .031 | 8   | 12  | .41 | 70  | .07 | 2   | 1.07 | .01 | .12 | 1   |
| DC. 171.87 | 1   | 20  | 15  | 105 | .2  | 14  | 7   | 239  | 1.74 | 2   | 5   | ND  | 5   | 11  | 1   | 2   | 2   | 25  | .13 | .045 | 9   | 13  | .38 | 118 | .09 | 2   | 1.70 | .02 | .13 | 1   |
| DC. 172.87 | 1   | 25  | 16  | 114 | .5  | 16  | 8   | 217  | 1.99 | 3   | 5   | ND  | 5   | 12  | 1   | 3   | 2   | 28  | .15 | .112 | 9   | 16  | .41 | 119 | .09 | 6   | 1.86 | .02 | .17 | 1   |
| DC. 173.87 | 1   | 16  | 28  | 161 | .3  | 19  | 7   | 247  | 1.78 | 2   | 5   | ND  | 4   | 18  | 1   | 2   | 2   | 24  | .16 | .107 | 8   | 14  | .38 | 120 | .09 | 2   | 1.71 | .02 | .13 | 1   |
| DC. 174.87 | 1   | 23  | 17  | 82  | .2  | 14  | 7   | 191  | 1.81 | 3   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 26  | .13 | .104 | 9   | 15  | .44 | 108 | .07 | 4   | 1.33 | .01 | .16 | 1   |
| DC. 175.87 | 1   | 33  | 40  | 71  | .2  | 14  | 6   | 200  | 2.12 | 4   | 5   | ND  | 7   | 8   | 1   | 2   | 2   | 22  | .08 | .022 | 11  | 19  | .51 | 36  | .11 | 2   | 1.16 | .01 | .40 | 1   |
| DC. 176.87 | 1   | 33  | 50  | 99  | .1  | 16  | 9   | 547  | 2.24 | 2   | 5   | ND  | 7   | 38  | 1   | 2   | 2   | 25  | .29 | .046 | 16  | 20  | .56 | 117 | .10 | 2   | 1.29 | .01 | .40 | 1   |
| DC. 177.87 | 1   | 38  | 48  | 89  | .3  | 11  | 9   | 389  | 1.85 | 4   | 5   | ND  | 5   | 15  | 1   | 2   | 2   | 24  | .15 | .020 | 12  | 15  | .40 | 114 | .09 | 4   | 1.11 | .01 | .26 | 1   |
| DC. 178.87 | 1   | 22  | 21  | 111 | .1  | 15  | 7   | 311  | 1.84 | 2   | 5   | ND  | 5   | 15  | 1   | 2   | 3   | 24  | .18 | .130 | 9   | 15  | .35 | 127 | .08 | 4   | 1.69 | .02 | .14 | 1   |
| DC. 179.87 | 1   | 28  | 185 | 185 | .6  | 17  | 8   | 526  | 2.25 | 6   | 5   | ND  | 6   | 14  | 1   | 2   | 2   | 27  | .14 | .053 | 11  | 16  | .38 | 134 | .12 | 4   | 1.77 | .01 | .28 | 1   |
| DC. 180.87 | 1   | 31  | 24  | 85  | .1  | 17  | 7   | 176  | 2.04 | 4   | 5   | ND  | 4   | 12  | 1   | 2   | 2   | 29  | .13 | .043 | 8   | 13  | .37 | 96  | .10 | 2   | 1.55 | .01 | .17 | 1   |
| STR C      | 18  | 60  | 38  | 131 | 7.3 | 69  | 29  | 1046 | 4.09 | 38  | 21  | 8   | 41  | 53  | 17  | 17  | 23  | 61  | .50 | .086 | 40  | 60  | .89 | 179 | .08 | 35  | 1.86 | .06 | .14 | 13  |

| SAMPLE#    | NO  | CU  | PB  | ZN  | AG  | NI  | CO  | MN   | FE   | AS  | U   | AJ  | TH  | SR  | CD  | SB  | BI  | V   | CA  | P    | LA  | CR  | MG  | BA  | TI  | B   | AL   | NA  | K   | M   |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|            | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %   | %    | PPM | PPM | %   | PPM | %   | PPM | %    | %   | %   | PPM |
| DC. 181.87 | 1   | 21  | 30  | 86  | .2  | 18  | 8   | 213  | 2.07 | 3   | 5   | ND  | 4   | 19  | 1   | 2   | 2   | 30  | .19 | .079 | 7   | 12  | .30 | 99  | .12 | 2   | 2.48 | .02 | .13 | 1   |
| DC. 182.87 | 1   | 17  | 26  | 134 | .2  | 16  | 8   | 398  | 1.82 | 2   | 5   | ND  | 4   | 22  | 1   | 2   | 2   | 25  | .27 | .157 | 9   | 12  | .31 | 163 | .10 | 2   | 1.97 | .02 | .16 | 1   |
| DC. 183.87 | 1   | 14  | 18  | 108 | .1  | 12  | 7   | 358  | 1.72 | 2   | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 21  | .19 | .119 | 9   | 13  | .37 | 137 | .08 | 4   | 1.30 | .02 | .18 | 1   |
| DC. 184.87 | 1   | 40  | 27  | 123 | .3  | 18  | 8   | 442  | 2.31 | 3   | 5   | ND  | 5   | 16  | 1   | 2   | 3   | 30  | .20 | .173 | 10  | 14  | .43 | 171 | .11 | 5   | 1.96 | .02 | .20 | 1   |
| DC. 185.87 | 1   | 43  | 36  | 68  | .1  | 12  | 7   | 293  | 1.95 | 4   | 5   | ND  | 5   | 11  | 1   | 2   | 2   | 28  | .16 | .039 | 10  | 13  | .43 | 71  | .08 | 2   | 1.25 | .01 | .21 | 1   |
| DC. 186.87 | 1   | 22  | 14  | 58  | .1  | 11  | 7   | 179  | 1.95 | 2   | 5   | ND  | 4   | 11  | 1   | 2   | 2   | 32  | .20 | .045 | 9   | 13  | .45 | 76  | .08 | 6   | 1.30 | .02 | .12 | 1   |
| DC. 187.87 | 1   | 30  | 33  | 66  | .2  | 9   | 12  | 1074 | 1.64 | 5   | 5   | ND  | 5   | 48  | 1   | 2   | 2   | 15  | .36 | .026 | 20  | 11  | .30 | 186 | .08 | 2   | .91  | .01 | .34 | 1   |
| NH 3       | 1   | 14  | 16  | 69  | .1  | 10  | 5   | 268  | 2.12 | 8   | 5   | ND  | 5   | 8   | 1   | 2   | 2   | 28  | .07 | .068 | 6   | 12  | .17 | 81  | .13 | 3   | 2.76 | .02 | .11 | 1   |
| NH 4       | 1   | 23  | 19  | 58  | .1  | 9   | 6   | 181  | 1.84 | 8   | 5   | ND  | 5   | 8   | 1   | 2   | 2   | 22  | .06 | .051 | 8   | 11  | .17 | 78  | .11 | 2   | 3.26 | .02 | .08 | 1   |
| NH 5       | 1   | 14  | 18  | 52  | .7  | 8   | 5   | 240  | 1.87 | 5   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 25  | .04 | .046 | 8   | 10  | .14 | 83  | .12 | 7   | 2.53 | .02 | .08 | 1   |
| NH 6       | 1   | 15  | 13  | 56  | .1  | 11  | 6   | 237  | 2.18 | 9   | 5   | ND  | 5   | 10  | 1   | 2   | 2   | 24  | .09 | .054 | 7   | 13  | .22 | 72  | .09 | 2   | 2.12 | .01 | .12 | 1   |
| NH 7       | 1   | 21  | 10  | 59  | .1  | 12  | 7   | 291  | 2.01 | 9   | 5   | ND  | 5   | 5   | 1   | 2   | 3   | 24  | .04 | .028 | 9   | 15  | .29 | 94  | .10 | 2   | 1.67 | .01 | .17 | 1   |
| NH 8       | 1   | 23  | 17  | 43  | .5  | 16  | 7   | 264  | 1.89 | 3   | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 26  | .06 | .026 | 10  | 14  | .20 | 99  | .12 | 2   | 3.29 | .02 | .09 | 1   |
| NH 9       | 1   | 21  | 16  | 55  | .4  | 16  | 6   | 453  | 2.04 | 5   | 5   | ND  | 6   | 9   | 2   | 2   | 2   | 25  | .07 | .032 | 6   | 12  | .18 | 105 | .14 | 2   | 3.39 | .02 | .09 | 1   |
| NH 10      | 1   | 22  | 13  | 53  | .2  | 14  | 6   | 177  | 2.22 | 7   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 26  | .04 | .056 | 9   | 14  | .26 | 105 | .13 | 2   | 3.18 | .02 | .16 | 1   |
| NH 11      | 1   | 23  | 16  | 41  | .4  | 9   | 5   | 343  | 1.81 | 6   | 5   | ND  | 5   | 7   | 1   | 2   | 3   | 27  | .05 | .045 | 13  | 11  | .15 | 73  | .15 | 4   | 3.10 | .04 | .07 | 1   |
| NH 12      | 1   | 21  | 20  | 68  | .3  | 13  | 5   | 303  | 2.75 | 12  | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 27  | .04 | .050 | 7   | 18  | .29 | 86  | .12 | 2   | 2.09 | .01 | .16 | 1   |
| NH 13      | 1   | 23  | 14  | 50  | .1  | 19  | 7   | 165  | 2.21 | 6   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 27  | .05 | .038 | 8   | 32  | .34 | 93  | .12 | 2   | 2.58 | .01 | .16 | 1   |
| NH 14      | 1   | 20  | 22  | 59  | .4  | 12  | 12  | 469  | 2.93 | 2   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 36  | .05 | .098 | 7   | 14  | .15 | 77  | .15 | 3   | 3.64 | .02 | .07 | 1   |
| NH 15      | 1   | 24  | 13  | 53  | .1  | 14  | 5   | 212  | 2.07 | 6   | 5   | ND  | 4   | 6   | 1   | 2   | 2   | 26  | .05 | .098 | 7   | 24  | .26 | 91  | .13 | 3   | 3.11 | .02 | .13 | 1   |
| NH 16      | 1   | 16  | 14  | 35  | .5  | 8   | 4   | 190  | 1.82 | 2   | 5   | ND  | 4   | 6   | 1   | 4   | 2   | 26  | .04 | .075 | 7   | 11  | .10 | 60  | .13 | 3   | 4.10 | .02 | .04 | 1   |
| NH 17      | 1   | 21  | 16  | 63  | .1  | 12  | 7   | 174  | 2.31 | 4   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 28  | .05 | .057 | 9   | 15  | .27 | 87  | .12 | 6   | 3.44 | .02 | .11 | 1   |
| NH 18      | 1   | 30  | 25  | 51  | .1  | 12  | 5   | 161  | 2.18 | 3   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 30  | .06 | .034 | 7   | 14  | .28 | 73  | .12 | 3   | 3.44 | .02 | .09 | 1   |
| NH 19      | 1   | 19  | 13  | 47  | .1  | 10  | 5   | 193  | 1.96 | 4   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 28  | .04 | .061 | 6   | 12  | .18 | 66  | .14 | 2   | 3.04 | .02 | .09 | 1   |
| NH 20      | 1   | 17  | 9   | 43  | .1  | 10  | 5   | 269  | 1.70 | 7   | 5   | ND  | 4   | 5   | 1   | 2   | 2   | 20  | .04 | .033 | 9   | 12  | .19 | 94  | .11 | 2   | 2.29 | .01 | .13 | 1   |
| NH 21      | 1   | 15  | 14  | 43  | .1  | 10  | 7   | 249  | 1.89 | 6   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 25  | .04 | .037 | 8   | 11  | .18 | 86  | .13 | 2   | 2.62 | .02 | .12 | 1   |
| NH 22      | 1   | 18  | 13  | 49  | .1  | 10  | 7   | 388  | 2.05 | 7   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 26  | .04 | .069 | 7   | 11  | .17 | 81  | .13 | 2   | 3.37 | .02 | .11 | 1   |
| NH 23      | 1   | 16  | 15  | 53  | .1  | 10  | 5   | 541  | 1.96 | 8   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 26  | .06 | .081 | 6   | 12  | .20 | 65  | .14 | 4   | 2.57 | .02 | .14 | 1   |
| NH 24      | 1   | 17  | 14  | 79  | .2  | 12  | 6   | 310  | 1.85 | 9   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 21  | .04 | .029 | 8   | 15  | .25 | 111 | .11 | 2   | 2.31 | .01 | .16 | 1   |
| NH 25      | 1   | 18  | 9   | 43  | .1  | 10  | 5   | 254  | 1.61 | 10  | 5   | ND  | 5   | 4   | 1   | 2   | 2   | 16  | .03 | .032 | 6   | 13  | .25 | 76  | .09 | 2   | 1.95 | .01 | .18 | 1   |
| NH 26      | 1   | 19  | 16  | 61  | .5  | 9   | 6   | 1044 | 1.78 | 5   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 24  | .04 | .034 | 14  | 11  | .15 | 88  | .12 | 5   | 2.94 | .02 | .08 | 1   |
| NH 27      | 1   | 21  | 18  | 76  | .5  | 11  | 9   | 325  | 2.08 | 6   | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 24  | .05 | .062 | 9   | 14  | .23 | 77  | .12 | 3   | 3.03 | .01 | .15 | 1   |
| NH 28      | 1   | 21  | 17  | 68  | .4  | 9   | 6   | 180  | 2.43 | 5   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 33  | .04 | .057 | 7   | 10  | .18 | 69  | .18 | 7   | 3.42 | .02 | .09 | 1   |
| NH 29      | 1   | 28  | 17  | 62  | .3  | 9   | 4   | 96   | 2.11 | 10  | 5   | ND  | 7   | 5   | 1   | 2   | 2   | 25  | .03 | .040 | 8   | 12  | .22 | 63  | .12 | 4   | 3.00 | .02 | .15 | 1   |
| NH 30      | 1   | 24  | 37  | 86  | .5  | 12  | 5   | 130  | 2.89 | 15  | 5   | ND  | 6   | 5   | 1   | 2   | 2   | 32  | .02 | .057 | 10  | 17  | .31 | 56  | .13 | 2   | 2.28 | .01 | .19 | 1   |
| NH 31      | 1   | 38  | 57  | 59  | .4  | 13  | 6   | 106  | 2.50 | 9   | 5   | ND  | 8   | 7   | 2   | 2   | 2   | 33  | .09 | .058 | 10  | 17  | .34 | 51  | .10 | 8   | 2.10 | .02 | .14 | 1   |
| STD C      | 18  | 61  | 42  | 132 | 7.4 | 71  | 29  | 1033 | 4.15 | 41  | 19  | 8   | 40  | 33  | 18  | 17  | 20  | 60  | .51 | .089 | 40  | 61  | .90 | 181 | .09 | 32  | 1.97 | .07 | .15 | 10  |

| SAMPLES | CU  | PB  | ZN  | AG  | NI  | CO  | MN  | FE   | AS   | U   | AU  | TH  | SR  | CD  | SB  | BT  | V   | CA | P   | LA   | CR  | MS | BA  | TE  | B   | AL | MO   | K   | W   |    |
|---------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----|----|-----|-----|-----|----|------|-----|-----|----|
| NO      | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %    | PPM  | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %  | %   | PPM  | PPM | %  | PPM | %   | %   | %  | %    | %   | PPM |    |
| NH. 32  | 1   | 27  | 25  | 58  | .6  | 9   | 5   | 126  | 1.87 | 8   | 5   | ND  | 5   | 5   | 1   | 2   | 2   | 28 | .06 | .035 | 8   | 10 | .20 | 48  | .16 | 2  | 2.94 | .02 | .07 | 1  |
| NH. 33  | 1   | 30  | 25  | 55  | .6  | 10  | 6   | 139  | 2.17 | 7   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 34 | .09 | .037 | 11  | 14 | .33 | 62  | .12 | 2  | 2.17 | .02 | .10 | 1  |
| NH. 34  | 1   | 24  | 20  | 60  | .8  | 12  | 7   | 111  | 2.43 | 12  | 6   | ND  | 7   | 6   | 1   | 2   | 2   | 36 | .06 | .032 | 10  | 13 | .25 | 74  | .13 | 2  | 3.04 | .02 | .13 | 1  |
| NH. 35  | 1   | 21  | 13  | 44  | .6  | 8   | 9   | 168  | 1.87 | 4   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 28 | .05 | .062 | 19  | 9  | .13 | 61  | .14 | 2  | 2.97 | .02 | .06 | 1  |
| NH. 36  | 1   | 19  | 26  | 66  | .7  | 9   | 9   | 500  | 2.23 | 14  | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 30 | .08 | .085 | 8   | 12 | .16 | 89  | .10 | 4  | 2.67 | .01 | .10 | 1  |
| NH. 37  | 1   | 22  | 27  | 63  | 1.7 | 10  | 6   | 211  | 1.90 | 13  | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 23 | .05 | .026 | 12  | 12 | .21 | 72  | .12 | 2  | 2.23 | .01 | .12 | 1  |
| NH. 38  | 1   | 23  | 35  | 75  | 2.6 | 15  | 7   | 443  | 2.12 | 14  | 5   | ND  | 6   | 5   | 1   | 2   | 2   | 24 | .04 | .020 | 10  | 14 | .26 | 86  | .12 | 2  | 2.64 | .01 | .16 | 1  |
| NH. 39  | 1   | 20  | 46  | 86  | 1.6 | 13  | 6   | 508  | 2.09 | 15  | 5   | ND  | 6   | 7   | 1   | 2   | 4   | 22 | .07 | .067 | 9   | 12 | .25 | 85  | .12 | 3  | 2.31 | .01 | .16 | 1  |
| NH. 40  | 1   | 17  | 33  | 77  | 1.0 | 7   | 6   | 310  | 2.98 | 11  | 5   | ND  | 4   | 5   | 1   | 3   | 2   | 36 | .04 | .214 | 5   | 13 | .13 | 48  | .14 | 2  | 3.55 | .01 | .07 | 1  |
| NH. 41  | 1   | 21  | 19  | 65  | .8  | 11  | 7   | 219  | 2.06 | 13  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 24 | .04 | .050 | 8   | 12 | .17 | 84  | .14 | 2  | 3.62 | .02 | .09 | 1  |
| NH. 42  | 1   | 22  | 14  | 53  | .9  | 11  | 7   | 200  | 1.97 | 6   | 5   | ND  | 8   | 7   | 1   | 2   | 2   | 23 | .05 | .026 | 13  | 12 | .23 | 83  | .13 | 5  | 2.56 | .02 | .18 | 1  |
| NH. 43  | 1   | 21  | 52  | 81  | 1.2 | 10  | 8   | 177  | 2.00 | 10  | 5   | ND  | 4   | 6   | 1   | 2   | 2   | 26 | .04 | .047 | 7   | 12 | .17 | 73  | .13 | 2  | 3.18 | .02 | .09 | 1  |
| NH. 44  | 1   | 19  | 29  | 52  | .5  | 7   | 5   | 90   | 2.67 | 14  | 5   | ND  | 4   | 8   | 1   | 3   | 2   | 35 | .06 | .056 | 3   | 12 | .10 | 51  | .15 | 2  | 4.51 | .02 | .04 | 1  |
| NH. 45  | 1   | 27  | 25  | 40  | 1.2 | 8   | 4   | 74   | 1.77 | 5   | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 25 | .05 | .045 | 5   | 8  | .11 | 54  | .16 | 2  | 4.49 | .03 | .04 | 1  |
| NH. 46  | 1   | 26  | 48  | 67  | 3.0 | 10  | 7   | 120  | 2.10 | 5   | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 31 | .04 | .048 | 5   | 9  | .12 | 60  | .15 | 2  | 3.90 | .02 | .05 | 1  |
| NH. 47  | 1   | 21  | 34  | 76  | 1.7 | 9   | 7   | 543  | 2.00 | 5   | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 30 | .05 | .138 | 10  | 11 | .13 | 60  | .12 | 2  | 2.93 | .02 | .06 | 1  |
| NH. 48  | 1   | 43  | 247 | 160 | 2.1 | 11  | 8   | 190  | 2.20 | 12  | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 29 | .05 | .034 | 9   | 15 | .24 | 76  | .12 | 2  | 3.60 | .02 | .09 | 1  |
| NH. 49  | 1   | 47  | 129 | 111 | 1.1 | 17  | 6   | 111  | 2.38 | 20  | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 24 | .05 | .022 | 13  | 34 | .44 | 55  | .11 | 2  | 3.17 | .01 | .19 | 1  |
| NH. 50  | 1   | 34  | 178 | 117 | 1.2 | 15  | 10  | 504  | 1.98 | 17  | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 24 | .04 | .023 | 9   | 14 | .23 | 75  | .12 | 2  | 3.17 | .01 | .19 | 1  |
| NH. 51  | 1   | 20  | 99  | 116 | .7  | 10  | 9   | 504  | 2.22 | 10  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 26 | .05 | .083 | 11  | 17 | .26 | 86  | .11 | 2  | 2.24 | .01 | .11 | 1  |
| NH. 52  | 1   | 26  | 32  | 101 | .4  | 13  | 8   | 304  | 2.33 | 13  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 30 | .06 | .055 | 9   | 14 | .27 | 79  | .13 | 2  | 2.63 | .02 | .11 | 1  |
| NH. 53  | 1   | 26  | 42  | 111 | .8  | 12  | 8   | 333  | 2.16 | 11  | 5   | ND  | 8   | 9   | 1   | 2   | 3   | 27 | .05 | .044 | 12  | 15 | .29 | 75  | .12 | 2  | 2.29 | .01 | .12 | 1  |
| NH. 54  | 1   | 29  | 17  | 89  | .2  | 15  | 10  | 283  | 2.27 | 5   | 5   | ND  | 6   | 6   | 1   | 2   | 4   | 40 | .13 | .056 | 10  | 18 | .49 | 64  | .09 | 2  | 2.01 | .02 | .11 | 1  |
| NH. 55  | 1   | 15  | 28  | 105 | 1.6 | 11  | 7   | 187  | 2.34 | 3   | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 40 | .13 | .044 | 9   | 16 | .31 | 81  | .10 | 3  | 2.07 | .02 | .08 | 1  |
| NH. 56  | 1   | 14  | 15  | 86  | .1  | 13  | 8   | 163  | 2.42 | 2   | 5   | ND  | 4   | 7   | 1   | 2   | 2   | 43 | .12 | .080 | 9   | 17 | .33 | 78  | .11 | 2  | 1.88 | .02 | .09 | 1  |
| NH. 57  | 1   | 22  | 31  | 132 | 1.0 | 12  | 10  | 288  | 2.74 | 7   | 5   | ND  | 7   | 7   | 2   | 2   | 2   | 38 | .11 | .092 | 10  | 17 | .36 | 68  | .10 | 7  | 2.41 | .02 | .11 | 1  |
| NH. 58  | 1   | 22  | 96  | 175 | .5  | 17  | 8   | 216  | 2.48 | 10  | 5   | ND  | 7   | 6   | 2   | 4   | 2   | 31 | .07 | .052 | 11  | 31 | .43 | 75  | .12 | 2  | 1.96 | .01 | .22 | 2  |
| NH. 59  | 1   | 48  | 49  | 95  | .3  | 22  | 11  | 380  | 2.65 | 7   | 5   | ND  | 9   | 13  | 1   | 2   | 3   | 39 | .13 | .039 | 16  | 44 | .62 | 110 | .13 | 7  | 1.75 | .01 | .32 | 1  |
| NH. 60  | 1   | 31  | 32  | 90  | .2  | 15  | 9   | 1189 | 2.23 | 4   | 5   | ND  | 5   | 15  | 1   | 3   | 2   | 29 | .12 | .044 | 13  | 21 | .43 | 145 | .11 | 2  | 1.49 | .02 | .28 | 1  |
| NH. 61  | 1   | 48  | 22  | 56  | .1  | 14  | 9   | 197  | 2.61 | 3   | 5   | ND  | 8   | 7   | 1   | 2   | 2   | 33 | .08 | .012 | 17  | 22 | .67 | 51  | .11 | 2  | 1.41 | .01 | .38 | 1  |
| NH. 62  | 1   | 33  | 27  | 87  | .7  | 16  | 9   | 329  | 2.36 | 6   | 5   | ND  | 6   | 17  | 1   | 2   | 2   | 34 | .17 | .090 | 10  | 18 | .40 | 111 | .12 | 4  | 2.39 | .02 | .17 | 1  |
| NH. 63  | 1   | 40  | 20  | 82  | .3  | 19  | 10  | 271  | 2.49 | 2   | 5   | ND  | 7   | 15  | 1   | 3   | 3   | 43 | .19 | .035 | 10  | 18 | .54 | 113 | .11 | 2  | 2.11 | .02 | .18 | 1  |
| NH. 64  | 1   | 13  | 11  | 101 | .1  | 14  | 8   | 385  | 1.95 | 3   | 5   | ND  | 3   | 17  | 1   | 2   | 2   | 31 | .16 | .115 | 8   | 13 | .27 | 126 | .11 | 2  | 2.16 | .02 | .09 | 1  |
| NH. 65  | 1   | 27  | 18  | 85  | .5  | 12  | 8   | 495  | 2.11 | 2   | 5   | ND  | 6   | 11  | 1   | 2   | 2   | 30 | .14 | .095 | 10  | 13 | .30 | 113 | .11 | 6  | 2.07 | .02 | .10 | 1  |
| NH. 66  | 1   | 29  | 18  | 86  | .6  | 13  | 9   | 504  | 2.08 | 2   | 5   | ND  | 6   | 12  | 1   | 2   | 2   | 31 | .13 | .067 | 13  | 12 | .29 | 104 | .12 | 5  | 2.52 | .03 | .11 | 1  |
| NH. 67  | 1   | 22  | 20  | 87  | .1  | 13  | 8   | 276  | 2.16 | 2   | 5   | ND  | 4   | 11  | 1   | 2   | 2   | 32 | .14 | .097 | 10  | 15 | .38 | 113 | .09 | 8  | 1.83 | .02 | .13 | 1  |
| STB C   | 29  | 62  | 37  | 132 | 7.3 | 72  | 29  | 1057 | 4.13 | 41  | 19  | 8   | 39  | 53  | 18  | 18  | 20  | 61 | .51 | .089 | 40  | 62 | .90 | 181 | .09 | 30 | 1.88 | .07 | .14 | 11 |

| SAMPLE# | AS  | CU  | PG  | ZN  | AG  | NI  | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BT  | V   | CA  | P    | LA  | CR  | HG   | BA  | TI  | B   | AL   | NA  | X   | M   |
|---------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|
|         | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %   | %    | PPM | PPM | %    | PPM | %   | PPM | %    | %   | %   | PPM |
| NH. 68  | 1   | 22  | 26  | 73  | .1  | 12  | 8   | 394  | 2.04 | 2   | 5   | ND  | 4   | 15  | 1   | 2   | 2   | 32  | .16 | .038 | 9   | 13  | .40  | 108 | .08 | 2   | 1.66 | .02 | .13 | 1   |
| NH. 69  | 1   | 24  | 25  | 77  | .1  | 16  | 8   | 436  | 2.46 | 2   | 5   | ND  | 5   | 20  | 1   | 2   | 2   | 38  | .19 | .122 | 8   | 14  | .35  | 146 | .12 | 2   | 2.67 | .02 | .12 | 1   |
| NH. 70  | 1   | 32  | 27  | 68  | .1  | 15  | 8   | 333  | 2.36 | 2   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 38  | .15 | .096 | 7   | 14  | .33  | 107 | .13 | 2   | 3.18 | .02 | .11 | 1   |
| NH. 71  | 1   | 29  | 26  | 68  | .2  | 14  | 9   | 319  | 2.47 | 5   | 5   | ND  | 5   | 21  | 1   | 3   | 2   | 39  | .21 | .068 | 7   | 15  | .30  | 115 | .14 | 3   | 3.35 | .02 | .10 | 1   |
| NH. 72  | 1   | 25  | 27  | 59  | .2  | 13  | 8   | 182  | 2.48 | 2   | 5   | ND  | 4   | 13  | 1   | 2   | 2   | 39  | .14 | .058 | 7   | 14  | .29  | 116 | .13 | 6   | 3.18 | .02 | .09 | 1   |
| NH. 73  | 1   | 31  | 21  | 68  | .2  | 14  | 8   | 535  | 2.41 | 2   | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 41  | .14 | .061 | 8   | 15  | .30  | 130 | .13 | 13  | 2.81 | .02 | .09 | 1   |
| NH. 74  | 1   | 31  | 26  | 46  | .3  | 12  | 6   | 153  | 2.06 | 3   | 5   | ND  | 6   | 17  | 1   | 3   | 2   | 31  | .15 | .050 | 11  | 12  | .24  | 100 | .14 | 4   | 3.19 | .02 | .09 | 1   |
| NH. 75  | 1   | 24  | 22  | 51  | .4  | 11  | 7   | 231  | 2.20 | 2   | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 33  | .08 | .070 | 9   | 10  | .21  | 87  | .15 | 2   | 3.78 | .02 | .08 | 1   |
| NH. 76  | 1   | 21  | 22  | 74  | .3  | 11  | 8   | 298  | 2.11 | 2   | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 32  | .08 | .080 | 7   | 10  | .16  | 97  | .15 | 3   | 3.74 | .03 | .06 | 1   |
| NH. 77  | 1   | 20  | 23  | 95  | .5  | 11  | 8   | 884  | 1.96 | 2   | 5   | ND  | 4   | 12  | 1   | 2   | 2   | 29  | .10 | .071 | 7   | 10  | .14  | 110 | .13 | 6   | 2.74 | .02 | .06 | 1   |
| NH. 78  | 1   | 23  | 21  | 128 | .5  | 17  | 10  | 391  | 2.42 | 2   | 5   | ND  | 4   | 12  | 1   | 2   | 2   | 38  | .12 | .074 | 9   | 15  | .36  | 103 | .11 | 4   | 2.32 | .02 | .13 | 1   |
| NH. 79  | 1   | 22  | 21  | 75  | .2  | 11  | 8   | 210  | 1.96 | 2   | 5   | ND  | 3   | 13  | 1   | 2   | 2   | 33  | .13 | .040 | 9   | 12  | .34  | 90  | .07 | 2   | 1.76 | .01 | .09 | 1   |
| NH. 80  | 1   | 17  | 27  | 109 | .4  | 13  | 7   | 449  | 2.50 | 5   | 5   | ND  | 10  | 13  | 1   | 2   | 2   | 18  | .09 | .088 | 31  | 14  | .43  | 123 | .13 | 2   | 1.49 | .01 | .52 | 1   |
| NH. 81  | 1   | 22  | 37  | 99  | .6  | 13  | 8   | 110  | 1.91 | 13  | 5   | ND  | 5   | 8   | 1   | 2   | 2   | 22  | .05 | .026 | 8   | 11  | .24  | 104 | .14 | 2   | 2.84 | .02 | .16 | 1   |
| NH. 82  | 1   | 25  | 56  | 169 | 3.3 | 16  | 13  | 536  | 2.17 | 7   | 5   | ND  | 7   | 8   | 1   | 2   | 2   | 28  | .05 | .052 | 12  | 11  | .28  | 94  | .17 | 3   | 4.09 | .02 | .12 | 1   |
| NH. 83  | 1   | 29  | 110 | 128 | .5  | 11  | 5   | 153  | 2.43 | 26  | 5   | ND  | 12  | 5   | 1   | 2   | 2   | 21  | .02 | .029 | 20  | 17  | .380 | 58  | .11 | 2   | 2.63 | .01 | .19 | 1   |
| NH. 84  | 1   | 24  | 94  | 187 | 1.5 | 13  | 8   | 387  | 2.79 | 13  | 5   | ND  | 8   | 8   | 2   | 2   | 2   | 24  | .04 | .089 | 17  | 16  | .33  | 123 | .12 | 7   | 2.89 | .01 | .19 | 1   |
| NH. 85  | 1   | 18  | 31  | 75  | .8  | 9   | 5   | 652  | 1.98 | 10  | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 23  | .04 | .147 | 8   | 14  | .20  | 49  | .14 | 4   | 3.42 | .02 | .12 | 1   |
| NH. 86  | 1   | 28  | 57  | 73  | 1.1 | 12  | 6   | 128  | 2.21 | 19  | 5   | ND  | 7   | 6   | 2   | 2   | 2   | 24  | .03 | .029 | 11  | 15  | .28  | 80  | .14 | 6   | 2.74 | .01 | .21 | 1   |
| NH. 87  | 1   | 21  | 31  | 63  | 1.0 | 16  | 7   | 99   | 2.18 | 13  | 5   | ND  | 6   | 5   | 1   | 2   | 2   | 21  | .02 | .019 | 7   | 15  | .33  | 84  | .13 | 4   | 2.44 | .01 | .27 | 1   |
| NH. 88  | 1   | 19  | 17  | 63  | 2.6 | 10  | 6   | 90   | 2.17 | 9   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 28  | .04 | .054 | 6   | 12  | .17  | 84  | .15 | 5   | 3.45 | .02 | .10 | 1   |
| NH. 89  | 1   | 21  | 57  | 59  | .6  | 13  | 5   | 93   | 2.26 | 17  | 5   | ND  | 6   | 5   | 1   | 2   | 3   | 18  | .02 | .023 | 10  | 13  | .35  | 65  | .10 | 5   | 1.67 | .01 | .29 | 1   |
| NH. 90  | 1   | 44  | 100 | 87  | 1.0 | 18  | 6   | 200  | 2.05 | 22  | 5   | ND  | 7   | 6   | 1   | 3   | 2   | 18  | .03 | .029 | 14  | 13  | .35  | 92  | .12 | 3   | 2.39 | .01 | .28 | 1   |
| NH. 91  | 1   | 29  | 37  | 83  | 1.2 | 13  | 7   | 286  | 2.20 | 13  | 5   | ND  | 5   | 8   | 1   | 3   | 2   | 28  | .06 | .035 | 10  | 12  | .19  | 92  | .13 | 7   | 2.55 | .01 | .12 | 1   |
| NH. 92  | 1   | 40  | 47  | 84  | .8  | 13  | 10  | 386  | 2.36 | 32  | 5   | ND  | 9   | 8   | 1   | 2   | 2   | 26  | .04 | .047 | 11  | 15  | .29  | 89  | .14 | 4   | 3.12 | .01 | .18 | 1   |
| NH. 93  | 1   | 21  | 58  | 81  | .7  | 10  | 5   | 278  | 2.53 | 23  | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 28  | .04 | .069 | 10  | 14  | .27  | 63  | .12 | 2   | 2.16 | .01 | .18 | 1   |
| NH. 94  | 1   | 36  | 53  | 64  | 1.0 | 11  | 6   | 140  | 2.30 | 16  | 5   | ND  | 11  | 7   | 1   | 2   | 2   | 23  | .02 | .042 | 14  | 13  | .24  | 71  | .14 | 9   | 3.49 | .01 | .15 | 1   |
| NH. 95  | 1   | 27  | 43  | 73  | .5  | 10  | 5   | 339  | 2.13 | 20  | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 22  | .03 | .047 | 10  | 12  | .22  | 75  | .12 | 2   | 2.61 | .01 | .15 | 1   |
| NH. 96  | 1   | 28  | 113 | 64  | .8  | 9   | 5   | 138  | 2.73 | 23  | 5   | ND  | 9   | 6   | 1   | 3   | 2   | 30  | .03 | .048 | 10  | 15  | .14  | 43  | .14 | 2   | 4.66 | .02 | .09 | 1   |
| NH. 97  | 1   | 29  | 48  | 92  | 2.1 | 11  | 5   | 98   | 2.13 | 19  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 23  | .03 | .033 | 9   | 12  | .23  | 66  | .14 | 3   | 2.93 | .02 | .15 | 1   |
| NH. 98  | 1   | 33  | 87  | 94  | 3.2 | 8   | 5   | 113  | 2.01 | 19  | 5   | ND  | 6   | 8   | 1   | 2   | 2   | 24  | .03 | .028 | 12  | 11  | .23  | 84  | .12 | 2   | 2.51 | .01 | .12 | 1   |
| NH. 99  | 1   | 33  | 173 | 99  | .7  | 9   | 4   | 200  | 2.24 | 23  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 25  | .03 | .027 | 14  | 14  | .32  | 69  | .09 | 3   | 1.50 | .01 | .16 | 1   |
| NH. 100 | 1   | 22  | 116 | 134 | 1.7 | 14  | 9   | 643  | 2.36 | 13  | 5   | ND  | 5   | 9   | 1   | 2   | 2   | 31  | .06 | .067 | 7   | 14  | .20  | 111 | .16 | 3   | 2.98 | .02 | .09 | 1   |
| NH. 101 | 1   | 24  | 115 | 123 | .7  | 13  | 9   | 411  | 2.32 | 10  | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 29  | .05 | .041 | 6   | 12  | .20  | 92  | .16 | 2   | 4.46 | .02 | .09 | 1   |
| NH. 102 | 1   | 23  | 109 | 115 | .7  | 12  | 8   | 295  | 2.68 | 12  | 5   | ND  | 7   | 9   | 1   | 4   | 2   | 30  | .04 | .053 | 7   | 13  | .22  | 88  | .16 | 3   | 4.00 | .02 | .12 | 1   |
| NH. 103 | 1   | 27  | 62  | 63  | 1.8 | 11  | 12  | 350  | 2.57 | 10  | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 33  | .04 | .036 | 8   | 13  | .19  | 60  | .17 | 2   | 3.40 | .02 | .08 | 1   |
| STB C   | 19  | 62  | 37  | 131 | 7.6 | 71  | 28  | 1047 | 4.08 | 39  | 20  | 8   | 41  | 32  | 18  | 18  | 20  | 60  | .50 | .088 | 39  | 61  | .89  | 180 | .09 | 37  | 1.95 | .06 | .14 | 13  |

| SAMPLE# | INSTR | CU  | PB  | ZN  | AS  | NI  | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CB  | SB  | BI  | V  | CA  | P    | LA  | CR  | MG   | BA  | TI  | B  | AL   | NA  | K   | N  |
|---------|-------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----|-----|------|-----|-----|----|------|-----|-----|----|
|         | PPM   | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %  | %   | PPM  | PPM | %   | PPM  | %   | PPM | %  | %    | %   | PPM |    |
| NH. 104 | 1     | 18  | 67  | 53  | 1.8 | 8   | 7   | 225  | 2.18 | 11  | 5   | ND  | 7   | 7   | 1   | 2   | 2   | 29 | .05 | .047 | 6   | 11  | .14  | 49  | .14 | 7  | 2.88 | .02 | .07 | 2  |
| NH. 105 | 1     | 25  | 35  | 98  | 2.5 | 47  | 12  | 329  | 2.34 | 7   | 5   | ND  | 7   | 7   | 1   | 2   | 2   | 35 | .05 | .077 | 6   | 110 | .42  | 53  | .15 | 4  | 3.39 | .02 | .09 | 1  |
| NH. 106 | 1     | 22  | 74  | 93  | .8  | 14  | 8   | 111  | 2.34 | 11  | 5   | ND  | 8   | 5   | 1   | 2   | 2   | 31 | .04 | .029 | 8   | 24  | .26  | 56  | .12 | 3  | 3.29 | .01 | .08 | 2  |
| NH. 107 | 1     | 22  | 87  | 73  | .4  | 9   | 4   | 106  | 2.97 | 26  | 5   | ND  | 8   | 5   | 1   | 2   | 2   | 33 | .03 | .047 | 13  | 14  | .36  | 40  | .11 | 2  | 1.54 | .01 | .10 | 2  |
| NH. 108 | 1     | 46  | 55  | 80  | .6  | 8   | 4   | 132  | 2.25 | 38  | 5   | ND  | 10  | 6   | 1   | 2   | 2   | 20 | .03 | .044 | 19  | 14  | .37  | 52  | .09 | 2  | 1.82 | .01 | .13 | 1  |
| NH. 109 | 1     | 20  | 82  | 105 | .4  | 8   | 3   | 92   | 1.99 | 5   | 5   | ND  | 6   | 4   | 1   | 2   | 2   | 27 | .06 | .037 | 7   | 12  | .39  | 32  | .07 | 2  | 1.73 | .01 | .08 | 1  |
| NH. 110 | 1     | 20  | 125 | 268 | .4  | 10  | 4   | 165  | 2.69 | 6   | 5   | ND  | 6   | 4   | 1   | 2   | 3   | 30 | .06 | .046 | 7   | 19  | 1.41 | 34  | .10 | 2  | 2.97 | .01 | .06 | 1  |
| NH. 111 | 1     | 22  | 230 | 235 | 1.2 | 11  | 5   | 110  | 2.40 | 5   | 8   | ND  | 9   | 7   | 1   | 2   | 2   | 29 | .04 | .032 | 9   | 16  | .32  | 47  | .10 | 5  | 2.99 | .01 | .07 | 2  |
| NH. 112 | 1     | 24  | 31  | 79  | .9  | 12  | 5   | 107  | 2.82 | 3   | 5   | ND  | 7   | 4   | 1   | 2   | 2   | 43 | .09 | .040 | 8   | 19  | .36  | 53  | .09 | 4  | 2.06 | .01 | .11 | 1  |
| NH. 113 | 1     | 23  | 15  | 68  | .3  | 13  | 8   | 236  | 2.16 | 2   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 36 | .09 | .094 | 7   | 16  | .31  | 78  | .09 | 2  | 2.33 | .02 | .09 | 1  |
| NH. 114 | 1     | 17  | 19  | 81  | .1  | 14  | 7   | 138  | 1.77 | 2   | 5   | ND  | 5   | 6   | 1   | 2   | 2   | 28 | .11 | .026 | 9   | 16  | .35  | 71  | .07 | 2  | 1.63 | .02 | .10 | 1  |
| NH. 115 | 1     | 27  | 48  | 119 | 1.3 | 12  | 9   | 292  | 2.19 | 7   | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 35 | .07 | .063 | 9   | 14  | .19  | 78  | .12 | 3  | 3.32 | .02 | .08 | 2  |
| NH. 116 | 1     | 51  | 20  | 73  | .2  | 16  | 8   | 304  | 2.31 | 3   | 5   | ND  | 7   | 6   | 1   | 2   | 2   | 43 | .13 | .032 | 10  | 18  | .43  | 64  | .10 | 2  | 1.86 | .02 | .15 | 1  |
| NH. 117 | 1     | 23  | 15  | 63  | .8  | 10  | 6   | 161  | 2.12 | 4   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 32 | .09 | .074 | 9   | 13  | .28  | 62  | .11 | 2  | 2.58 | .02 | .08 | 1  |
| NH. 118 | 1     | 17  | 19  | 67  | 1.5 | 10  | 6   | 151  | 2.13 | 2   | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 30 | .08 | .087 | 9   | 11  | .19  | 52  | .11 | 2  | 3.66 | .02 | .06 | 1  |
| NH. 119 | 1     | 20  | 13  | 71  | .7  | 9   | 7   | 258  | 2.05 | 2   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 30 | .07 | .155 | 8   | 11  | .15  | 97  | .12 | 2  | 3.02 | .03 | .07 | 1  |
| NH. 120 | 1     | 17  | 16  | 104 | .4  | 12  | 9   | 192  | 2.10 | 3   | 5   | ND  | 7   | 7   | 1   | 2   | 3   | 30 | .09 | .065 | 11  | 14  | .27  | 89  | .08 | 2  | 2.56 | .02 | .10 | 1  |
| NH. 121 | 1     | 21  | 13  | 80  | .4  | 11  | 6   | 204  | 2.17 | 2   | 5   | ND  | 5   | 7   | 1   | 2   | 2   | 32 | .07 | .055 | 9   | 13  | .28  | 82  | .11 | 2  | 2.69 | .02 | .09 | 2  |
| NH. 122 | 1     | 27  | 15  | 73  | .7  | 12  | 8   | 196  | 2.22 | 5   | 5   | ND  | 6   | 7   | 1   | 2   | 2   | 33 | .10 | .043 | 9   | 14  | .27  | 83  | .10 | 2  | 2.34 | .02 | .10 | 2  |
| NH. 123 | 1     | 33  | 16  | 66  | .4  | 17  | 10  | 294  | 2.66 | 3   | 5   | ND  | 7   | 8   | 1   | 2   | 2   | 44 | .09 | .037 | 9   | 21  | .39  | 85  | .13 | 2  | 2.99 | .02 | .15 | 2  |
| NH. 124 | 1     | 24  | 16  | 94  | .3  | 14  | 8   | 294  | 2.41 | 3   | 5   | ND  | 5   | 8   | 1   | 2   | 2   | 35 | .09 | .067 | 12  | 17  | .39  | 127 | .10 | 2  | 2.01 | .01 | .12 | 1  |
| NH. 125 | 1     | 29  | 17  | 78  | .9  | 14  | 9   | 318  | 2.33 | 2   | 5   | ND  | 6   | 13  | 1   | 2   | 2   | 35 | .12 | .048 | 11  | 18  | .33  | 98  | .13 | 3  | 3.06 | .02 | .11 | 1  |
| NH. 126 | 1     | 25  | 15  | 73  | .7  | 13  | 9   | 322  | 2.31 | 4   | 5   | ND  | 7   | 10  | 1   | 2   | 2   | 38 | .09 | .049 | 9   | 16  | .27  | 77  | .13 | 4  | 3.03 | .02 | .10 | 1  |
| NH. 127 | 1     | 33  | 21  | 66  | .2  | 14  | 8   | 254  | 2.71 | 4   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 51 | .13 | .048 | 8   | 18  | .42  | 105 | .12 | 2  | 2.18 | .02 | .11 | 2  |
| NH. 128 | 1     | 26  | 16  | 81  | .6  | 14  | 9   | 308  | 2.50 | 2   | 5   | ND  | 4   | 8   | 1   | 2   | 2   | 45 | .08 | .039 | 8   | 14  | .26  | 93  | .13 | 3  | 2.89 | .02 | .07 | 1  |
| NH. 129 | 1     | 29  | 16  | 99  | .3  | 15  | 11  | 858  | 2.60 | 3   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 49 | .12 | .037 | 8   | 17  | .28  | 91  | .14 | 4  | 2.81 | .02 | .09 | 1  |
| NH. 130 | 1     | 40  | 13  | 92  | .5  | 21  | 10  | 452  | 2.55 | 2   | 5   | ND  | 6   | 19  | 1   | 2   | 2   | 43 | .18 | .075 | 9   | 36  | .39  | 104 | .15 | 2  | 3.45 | .02 | .10 | 1  |
| NH. 131 | 1     | 57  | 26  | 93  | .5  | 20  | 12  | 538  | 2.97 | 3   | 5   | ND  | 6   | 17  | 1   | 2   | 2   | 56 | .17 | .055 | 10  | 30  | .63  | 114 | .12 | 2  | 2.72 | .02 | .14 | 1  |
| NH. 132 | 1     | 50  | 16  | 85  | .3  | 15  | 9   | 547  | 2.36 | 5   | 5   | ND  | 4   | 12  | 1   | 2   | 2   | 47 | .16 | .084 | 10  | 21  | .53  | 109 | .10 | 2  | 2.09 | .02 | .12 | 1  |
| NH. 133 | 1     | 25  | 17  | 97  | .6  | 15  | 9   | 469  | 2.26 | 2   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 35 | .15 | .058 | 9   | 14  | .32  | 96  | .10 | 2  | 2.68 | .02 | .10 | 1  |
| NH. 134 | 1     | 33  | 15  | 73  | .4  | 13  | 8   | 261  | 2.10 | 4   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 35 | .13 | .035 | 10  | 14  | .39  | 76  | .09 | 2  | 1.94 | .02 | .11 | 1  |
| NH. 135 | 1     | 59  | 26  | 88  | .2  | 31  | 11  | 272  | 2.92 | 3   | 5   | ND  | 5   | 13  | 1   | 2   | 2   | 65 | .14 | .025 | 9   | 52  | .72  | 125 | .12 | 2  | 2.38 | .01 | .19 | 1  |
| NH. 136 | 1     | 20  | 20  | 63  | .6  | 10  | 10  | 268  | 2.04 | 2   | 5   | ND  | 3   | 15  | 1   | 2   | 2   | 34 | .14 | .036 | 11  | 12  | .32  | 118 | .07 | 2  | 1.46 | .02 | .13 | 1  |
| NH. 137 | 1     | 26  | 28  | 74  | 1.2 | 13  | 10  | 289  | 2.35 | 2   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 35 | .12 | .030 | 10  | 16  | .36  | 91  | .11 | 2  | 2.28 | .02 | .13 | 1  |
| NH. 138 | 1     | 37  | 22  | 82  | .1  | 13  | 10  | 577  | 2.26 | 3   | 5   | ND  | 5   | 15  | 1   | 2   | 2   | 37 | .18 | .047 | 12  | 13  | .51  | 88  | .07 | 2  | 1.36 | .01 | .20 | 1  |
| NH. 139 | 1     | 36  | 20  | 78  | .1  | 11  | 8   | 280  | 2.38 | 2   | 5   | ND  | 5   | 11  | 1   | 2   | 2   | 40 | .13 | .059 | 12  | 14  | .55  | 81  | .07 | 2  | 1.38 | .01 | .20 | 1  |
| STD C   | 19    | 61  | 39  | 132 | 7.2 | 70  | 29  | 1053 | 4.09 | 40  | 21  | 8   | 40  | 53  | 19  | 18  | 22  | 61 | .50 | .087 | 40  | 62  | .89  | 180 | .08 | 32 | 1.93 | .07 | .14 | 11 |

| SAMPLE# | CU  | PR  | ZN  | AS  | NI  | CO  | MR  | FE   | AS   | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA  | P    | LA   | CR  | MG  | BA  | TI  | B   | AL   | NA   | K   | W   |    |
|---------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|----|
| PPM     | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %    | PPM  | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %   | %    | PPM  | PPM | %   | PPM | %   | %   | %    | %    | %   | PPM |    |
| NH. 140 | 1   | 47  | 32  | 87  | .2  | 13  | 9   | 419  | 2.75 | 2   | 5   | ND  | 8   | 8   | 2   | 2   | 33  | .11 | .037 | 27   | 18  | .55 | 83  | .10 | 2   | 1.73 | .01  | .33 | 1   |    |
| NH. 141 | 1   | 181 | 39  | 107 | 1.1 | 23  | 19  | 918  | 4.03 | 2   | 5   | ND  | 9   | 23  | 1   | 2   | 49  | .34 | .039 | 31   | 29  | .65 | 113 | .14 | 2   | 2.66 | .02  | .36 | 1   |    |
| NH. 142 | 1   | 46  | 32  | 106 | .6  | 15  | 10  | 418  | 2.93 | 2   | 5   | ND  | 5   | 9   | 2   | 2   | 42  | .10 | .091 | 16   | 18  | .57 | 103 | .08 | 5   | 1.90 | .02  | .25 | 1   |    |
| NH. 143 | 1   | 50  | 32  | 87  | .2  | 14  | 10  | 355  | 2.95 | 2   | 5   | ND  | 9   | 10  | 2   | 2   | 43  | .11 | .033 | 21   | 19  | .68 | 83  | .10 | 6   | 1.72 | .01  | .30 | 1   |    |
| NH. 144 | 1   | 43  | 36  | 113 | .4  | 15  | 11  | 591  | 3.00 | 2   | 5   | ND  | 8   | 11  | 1   | 2   | 37  | .13 | .057 | 20   | 21  | .57 | 110 | .10 | 2   | 1.99 | .01  | .29 | 1   |    |
| NH. 145 | 1   | 52  | 31  | 90  | .3  | 14  | 11  | 345  | 3.21 | 2   | 5   | ND  | 7   | 12  | 1   | 2   | 41  | .17 | .097 | 13   | 20  | .59 | 100 | .11 | 6   | 1.84 | .02  | .29 | 1   |    |
| NH. 146 | 1   | 47  | 28  | 75  | .2  | 12  | 10  | 468  | 2.67 | 2   | 5   | ND  | 6   | 12  | 2   | 2   | 39  | .17 | .045 | 12   | 17  | .54 | 102 | .10 | 5   | 1.46 | .02  | .26 | 1   |    |
| NH. 147 | 1   | 23  | 52  | 149 | .6  | 16  | 9   | 525  | 2.72 | 5   | 5   | ND  | 8   | 11  | 1   | 2   | 26  | .09 | .133 | 17   | 17  | .43 | 142 | .12 | 4   | 2.02 | .01  | .34 | 1   |    |
| NH. 148 | 1   | 33  | 27  | 125 | 1.7 | 15  | 9   | 528  | 2.44 | 3   | 5   | ND  | 6   | 12  | 2   | 2   | 33  | .15 | .107 | 12   | 19  | .40 | 129 | .13 | 2   | 2.53 | .02  | .13 | 1   |    |
| NH. 149 | 1   | 26  | 16  | 61  | .6  | 10  | 7   | 139  | 2.05 | 2   | 5   | ND  | 6   | 8   | 1   | 3   | 28  | .08 | .049 | 11   | 13  | .27 | 81  | .11 | 2   | 3.04 | .02  | .10 | 1   |    |
| NH. 150 | 1   | 36  | 12  | 40  | .1  | 12  | 6   | 195  | 2.33 | 17  | 5   | ND  | 7   | 10  | 2   | 2   | 27  | .07 | .059 | 9    | 15  | .24 | 100 | .14 | 2   | 3.27 | .02  | .12 | 1   |    |
| NH. 151 | 1   | 30  | 7   | 42  | .1  | 16  | 7   | 405  | 2.48 | 14  | 5   | ND  | 7   | 10  | 1   | 2   | 4   | 30  | .09  | .043 | 9   | 28  | .38 | 113 | .15 | 5    | 2.51 | .01 | .20 | 1  |
| NH. 152 | 1   | 28  | 7   | 45  | .1  | 18  | 6   | 240  | 2.61 | 12  | 5   | ND  | 6   | 11  | 1   | 2   | 2   | 27  | .05  | .042 | 7   | 19  | .37 | 99  | .12 | 2    | 2.58 | .01 | .20 | 1  |
| NH. 153 | 1   | 34  | 12  | 50  | .1  | 14  | 7   | 165  | 2.52 | 30  | 5   | ND  | 7   | 7   | 1   | 2   | 2   | 27  | .05  | .059 | 10  | 18  | .38 | 100 | .14 | 2    | 2.80 | .01 | .21 | 2  |
| NH. 154 | 1   | 34  | 6   | 68  | .3  | 15  | 7   | 417  | 2.56 | 37  | 5   | ND  | 9   | 11  | 2   | 2   | 26  | .09 | .044 | 9    | 18  | .33 | 128 | .13 | 6   | 3.16 | .01  | .19 | 1   |    |
| NH. 155 | 1   | 34  | 13  | 50  | .4  | 22  | 8   | 319  | 2.32 | 9   | 5   | ND  | 6   | 10  | 1   | 2   | 2   | 30  | .08  | .041 | 7   | 17  | .22 | 104 | .14 | 2    | 3.29 | .02 | .10 | 2  |
| NH. 156 | 1   | 252 | 12  | 69  | 1.2 | 34  | 22  | 1245 | 3.95 | 41  | 5   | ND  | 7   | 12  | 1   | 2   | 4   | 56  | .11  | .034 | 8   | 34  | .66 | 161 | .13 | 9    | 2.69 | .01 | .32 | 3  |
| NH. 157 | 1   | 136 | 8   | 38  | .2  | 23  | 8   | 661  | 2.27 | 5   | 5   | ND  | 4   | 96  | 1   | 2   | 6   | 31  | .54  | .042 | 9   | 25  | .47 | 184 | .08 | 2    | 2.24 | .01 | .31 | 1  |
| NH. 158 | 1   | 29  | 9   | 63  | .2  | 16  | 7   | 255  | 2.34 | 2   | 5   | ND  | 7   | 14  | 1   | 2   | 2   | 26  | .11  | .064 | 10  | 18  | .36 | 134 | .11 | 6    | 2.40 | .01 | .20 | 2  |
| NH. 159 | 1   | 19  | 5   | 53  | .2  | 12  | 5   | 442  | 1.96 | 2   | 5   | ND  | 6   | 17  | 2   | 2   | 2   | 23  | .15  | .110 | 7   | 13  | .19 | 124 | .12 | 7    | 3.10 | .02 | .09 | 1  |
| NH. 160 | 1   | 22  | 19  | 78  | .4  | 12  | 8   | 386  | 2.25 | 5   | 5   | ND  | 5   | 12  | 2   | 2   | 2   | 25  | .12  | .204 | 9   | 17  | .23 | 80  | .12 | 2    | 3.15 | .02 | .10 | 1  |
| NH. 161 | 1   | 35  | 21  | 52  | .2  | 13  | 6   | 247  | 2.76 | 9   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 28  | .11  | .041 | 12  | 26  | .44 | 102 | .12 | 4    | 1.73 | .01 | .27 | 2  |
| NH. 162 | 1   | 17  | 17  | 52  | .3  | 9   | 6   | 295  | 1.73 | 5   | 5   | ND  | 7   | 11  | 2   | 2   | 2   | 16  | .13  | .066 | 11  | 17  | .33 | 84  | .07 | 6    | 1.05 | .01 | .16 | 1  |
| NH. 163 | 1   | 19  | 24  | 66  | 1.5 | 11  | 6   | 240  | 1.76 | 2   | 5   | ND  | 6   | 10  | 1   | 2   | 2   | 21  | .07  | .085 | 9   | 12  | .21 | 84  | .10 | 4    | 2.56 | .02 | .09 | 1  |
| NH. 164 | 1   | 23  | 43  | 106 | .5  | 13  | 7   | 260  | 1.99 | 6   | 5   | ND  | 7   | 8   | 1   | 2   | 2   | 22  | .07  | .033 | 10  | 17  | .32 | 103 | .09 | 2    | 2.39 | .01 | .13 | 1  |
| NH. 165 | 1   | 24  | 69  | 128 | 1.1 | 17  | 8   | 258  | 2.15 | 3   | 5   | ND  | 7   | 13  | 2   | 2   | 2   | 24  | .15  | .064 | 9   | 17  | .32 | 105 | .10 | 6    | 2.73 | .01 | .13 | 1  |
| NH. 166 | 1   | 19  | 22  | 64  | .2  | 12  | 8   | 343  | 1.92 | 6   | 5   | ND  | 6   | 12  | 1   | 2   | 2   | 22  | .11  | .034 | 9   | 15  | .29 | 107 | .08 | 2    | 1.56 | .01 | .14 | 2  |
| NH. 167 | 1   | 26  | 31  | 77  | .4  | 16  | 11  | 266  | 2.31 | 8   | 5   | ND  | 8   | 8   | 1   | 2   | 2   | 27  | .07  | .044 | 13  | 18  | .30 | 97  | .11 | 3    | 2.64 | .02 | .14 | 1  |
| NH. 168 | 1   | 11  | 17  | 29  | .1  | 6   | 4   | 189  | 1.19 | 3   | 5   | ND  | 5   | 7   | 2   | 2   | 2   | 15  | .07  | .013 | 9   | 10  | .25 | 61  | .06 | 6    | .74  | .01 | .12 | 1  |
| NH. 169 | 1   | 20  | 23  | 87  | 1.0 | 13  | 7   | 198  | 2.00 | 3   | 5   | ND  | 7   | 9   | 1   | 2   | 2   | 23  | .08  | .044 | 11  | 16  | .30 | 95  | .09 | 3    | 2.22 | .01 | .11 | 1  |
| NH. 170 | 1   | 13  | 14  | 107 | .3  | 15  | 6   | 327  | 2.06 | 3   | 5   | ND  | 5   | 16  | 1   | 2   | 2   | 26  | .12  | .147 | 7   | 12  | .19 | 147 | .12 | 4    | 3.15 | .02 | .09 | 1  |
| NH. 171 | 1   | 15  | 23  | 52  | .2  | 9   | 5   | 152  | 1.90 | 4   | 5   | ND  | 6   | 8   | 1   | 2   | 2   | 20  | .07  | .035 | 10  | 13  | .26 | 98  | .08 | 2    | 1.32 | .01 | .11 | 1  |
| NH. 172 | 1   | 19  | 12  | 54  | .3  | 14  | 6   | 186  | 2.20 | 5   | 5   | ND  | 5   | 10  | 1   | 2   | 2   | 24  | .06  | .035 | 9   | 17  | .31 | 104 | .10 | 2    | 2.20 | .01 | .13 | 1  |
| NH. 173 | 1   | 17  | 15  | 48  | .5  | 11  | 6   | 506  | 1.78 | 2   | 5   | ND  | 4   | 10  | 1   | 2   | 2   | 24  | .06  | .094 | 7   | 10  | .15 | 92  | .13 | 2    | 2.84 | .02 | .07 | 1  |
| NH. 174 | 1   | 21  | 9   | 86  | .2  | 17  | 7   | 345  | 2.42 | 3   | 5   | ND  | 7   | 16  | 1   | 2   | 2   | 27  | .12  | .085 | 9   | 16  | .29 | 151 | .12 | 3    | 2.86 | .01 | .16 | 1  |
| NH. 175 | 1   | 16  | 8   | 81  | .2  | 15  | 7   | 259  | 2.40 | 8   | 5   | ND  | 7   | 27  | 1   | 2   | 2   | 23  | .09  | .054 | 9   | 17  | .36 | 105 | .10 | 2    | 1.72 | .01 | .23 | 1  |
| STD C   | 19  | 61  | 41  | 132 | 7.6 | 76  | 29  | 1049 | 4.28 | 39  | 19  | 8   | 40  | 53  | 18  | 17  | 21  | 61  | .50  | .087 | 39  | 62  | .89 | 186 | .08 | 34   | 1.95 | .06 | .14 | 11 |

| SAMPLE# | 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   |    |
|---------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|------|----|-----|-----|-----|-----|----|------|-----|-----|----|
| PPH     | PPH | PPH | PPH | PPH | PPH | PPH | PPH | %    | PPH  | PPH | PPH | PPH | PPH | PPH | PPH | PPH | %  | %  | PPH | PPH  | %  | PPH | %   | PPH | %   | %  | %    | PPH |     |    |
| NH. 176 | 1   | 12  | 11  | 58  | .4  | 13  | 7   | 146  | 2.12 | 2   | 5   | ND  | 4   | 23  | 1   | 2   | 2  | 27 | .18 | .151 | 7  | 12  | .16 | 170 | .13 | 2  | 2.65 | .02 | .08 | 1  |
| NH. 177 | 1   | 20  | 11  | 75  | 1.0 | 14  | 6   | 225  | 2.00 | 3   | 5   | ND  | 6   | 12  | 2   | 2   | 2  | 24 | .08 | .052 | 10 | 11  | .18 | 121 | .13 | 2  | 2.63 | .02 | .11 | 1  |
| NH. 178 | 1   | 17  | 9   | 84  | .1  | 13  | 6   | 173  | 2.10 | 7   | 5   | ND  | 6   | 9   | 1   | 2   | 2  | 20 | .06 | .045 | 11 | 13  | .31 | 95  | .09 | 2  | 1.56 | .01 | .20 | 1  |
| NH. 179 | 1   | 16  | 8   | 102 | .5  | 13  | 7   | 373  | 1.99 | 6   | 5   | ND  | 6   | 11  | 1   | 2   | 2  | 23 | .09 | .075 | 7  | 12  | .22 | 89  | .10 | 10 | 2.28 | .02 | .14 | 1  |
| NH. 180 | 1   | 25  | 11  | 80  | 1.8 | 20  | 8   | 215  | 2.06 | 5   | 5   | ND  | 6   | 16  | 2   | 2   | 2  | 22 | .11 | .105 | 8  | 14  | .25 | 120 | .11 | 9  | 2.60 | .02 | .16 | 1  |
| NH. 181 | 1   | 32  | 11  | 85  | .3  | 19  | 7   | 262  | 2.39 | 9   | 5   | ND  | 8   | 14  | 1   | 2   | 2  | 21 | .09 | .044 | 10 | 16  | .31 | 117 | .11 | 2  | 2.48 | .01 | .25 | 1  |
| NH. 182 | 1   | 14  | 14  | 53  | .1  | 12  | 5   | 246  | 1.74 | 4   | 5   | ND  | 4   | 10  | 1   | 2   | 2  | 19 | .08 | .041 | 8  | 11  | .20 | 97  | .09 | 3  | 1.91 | .01 | .09 | 1  |
| NH. 183 | 1   | 20  | 5   | 56  | 3.0 | 14  | 6   | 279  | 1.83 | 7   | 5   | ND  | 6   | 25  | 2   | 2   | 2  | 22 | .17 | .131 | 12 | 9   | .16 | 108 | .13 | 4  | 3.30 | .03 | .09 | 1  |
| NH. 184 | 1   | 20  | 6   | 63  | 1.8 | 14  | 6   | 209  | 1.80 | 7   | 5   | ND  | 5   | 14  | 1   | 2   | 2  | 20 | .10 | .057 | 11 | 12  | .20 | 91  | .11 | 2  | 2.27 | .02 | .11 | 1  |
| NH. 185 | 1   | 19  | 24  | 72  | 5.4 | 10  | 6   | 170  | 2.00 | 13  | 5   | ND  | 6   | 14  | 1   | 2   | 2  | 21 | .09 | .065 | 10 | 10  | .18 | 104 | .12 | 8  | 2.72 | .02 | .10 | 1  |
| NH. 186 | 1   | 16  | 17  | 80  | 1.7 | 9   | 6   | 150  | 1.94 | 9   | 5   | ND  | 5   | 9   | 1   | 2   | 2  | 21 | .07 | .171 | 8  | 10  | .21 | 108 | .08 | 6  | 1.90 | .01 | .11 | 1  |
| NH. 187 | 1   | 23  | 23  | 95  | .7  | 14  | 8   | 412  | 2.08 | 3   | 5   | ND  | 5   | 13  | 1   | 2   | 2  | 26 | .11 | .081 | 10 | 13  | .27 | 148 | .12 | 5  | 2.93 | .02 | .10 | 1  |
| NH. 188 | 1   | 19  | 48  | 111 | 1.1 | 12  | 7   | 267  | 1.95 | 7   | 5   | ND  | 5   | 14  | 1   | 2   | 2  | 22 | .10 | .090 | 8  | 12  | .25 | 109 | .11 | 6  | 2.72 | .02 | .09 | 1  |
| NH. 189 | 1   | 27  | 52  | 87  | .4  | 13  | 7   | 159  | 2.11 | 4   | 5   | ND  | 5   | 10  | 1   | 2   | 2  | 28 | .13 | .046 | 10 | 15  | .43 | 90  | .09 | 2  | 1.74 | .01 | .13 | 1  |
| NH. 190 | 1   | 17  | 28  | 76  | .9  | 11  | 6   | 275  | 1.90 | 5   | 5   | ND  | 4   | 12  | 1   | 2   | 2  | 24 | .10 | .033 | 9  | 14  | .32 | 105 | .09 | 5  | 1.76 | .01 | .13 | 1  |
| NH. 191 | 1   | 19  | 40  | 109 | .8  | 14  | 7   | 193  | 2.04 | 6   | 5   | ND  | 5   | 16  | 1   | 2   | 2  | 23 | .13 | .056 | 9  | 15  | .30 | 106 | .10 | 10 | 2.04 | .02 | .15 | 1  |
| NH. 192 | 1   | 27  | 67  | 61  | .6  | 10  | 5   | 182  | 1.94 | 15  | 5   | ND  | 5   | 7   | 1   | 2   | 2  | 19 | .05 | .021 | 11 | 15  | .39 | 56  | .09 | 6  | 1.76 | .01 | .26 | 1  |
| NH. 193 | 1   | 17  | 41  | 100 | .4  | 11  | 7   | 457  | 1.97 | 5   | 5   | ND  | 3   | 14  | 1   | 2   | 2  | 20 | .15 | .167 | 9  | 15  | .31 | 132 | .09 | 2  | 1.76 | .01 | .17 | 1  |
| NH. 194 | 1   | 23  | 41  | 108 | .4  | 12  | 6   | 484  | 1.99 | 4   | 5   | ND  | 5   | 12  | 2   | 3   | 2  | 24 | .15 | .137 | 9  | 15  | .33 | 135 | .09 | 8  | 1.76 | .01 | .14 | 1  |
| NH. 195 | 1   | 27  | 32  | 148 | .6  | 17  | 7   | 178  | 2.17 | 2   | 5   | ND  | 5   | 13  | 2   | 2   | 2  | 27 | .16 | .049 | 10 | 15  | .35 | 125 | .12 | 2  | 2.53 | .02 | .18 | 1  |
| NH. 196 | 1   | 27  | 36  | 115 | .4  | 17  | 7   | 147  | 2.18 | 3   | 5   | ND  | 5   | 12  | 1   | 2   | 2  | 27 | .13 | .048 | 8  | 14  | .36 | 105 | .13 | 6  | 2.23 | .02 | .19 | 1  |
| NH. 197 | 1   | 22  | 35  | 156 | .4  | 15  | 7   | 364  | 2.07 | 5   | 5   | ND  | 5   | 17  | 1   | 2   | 2  | 26 | .15 | .121 | 8  | 14  | .28 | 146 | .12 | 4  | 2.25 | .02 | .16 | 1  |
| NH. 198 | 1   | 27  | 28  | 132 | .2  | 14  | 7   | 215  | 2.11 | 4   | 5   | ND  | 5   | 13  | 2   | 2   | 2  | 27 | .12 | .132 | 8  | 15  | .32 | 170 | .11 | 2  | 2.44 | .02 | .15 | 1  |
| STD C   | 18  | 59  | 37  | 126 | 7.0 | 66  | 27  | 1009 | 4.10 | 38  | 21  | 8   | 38  | 49  | 18  | 18  | 22 | 58 | .48 | .084 | 37 | 57  | .85 | 176 | .08 | 34 | 1.85 | .06 | .13 | 12 |
| NH. 199 | 1   | 21  | 25  | 89  | .5  | 13  | 6   | 295  | 1.75 | 2   | 5   | ND  | 6   | 10  | 1   | 2   | 2  | 22 | .10 | .052 | 8  | 12  | .28 | 122 | .10 | 9  | 1.84 | .02 | .17 | 1  |
| NH. 200 | 1   | 24  | 28  | 126 | .5  | 13  | 7   | 383  | 2.06 | 3   | 5   | ND  | 4   | 11  | 1   | 3   | 2  | 24 | .13 | .198 | 8  | 12  | .30 | 131 | .10 | 2  | 2.15 | .02 | .14 | 1  |
| NH. 201 | 1   | 28  | 42  | 108 | .1  | 12  | 6   | 149  | 2.06 | 3   | 5   | ND  | 4   | 9   | 1   | 2   | 2  | 23 | .11 | .100 | 9  | 13  | .37 | 96  | .10 | 2  | 1.40 | .01 | .18 | 1  |
| NH. 202 | 1   | 23  | 33  | 121 | .4  | 17  | 7   | 230  | 2.21 | 3   | 5   | ND  | 5   | 16  | 1   | 2   | 2  | 29 | .13 | .081 | 9  | 13  | .33 | 128 | .13 | 4  | 2.33 | .02 | .17 | 1  |
| NH. 203 | 1   | 27  | 26  | 112 | .8  | 16  | 8   | 324  | 2.27 | 2   | 5   | ND  | 6   | 15  | 1   | 2   | 2  | 32 | .14 | .108 | 7  | 12  | .26 | 128 | .14 | 4  | 3.47 | .03 | .12 | 1  |
| NH. 204 | 1   | 23  | 18  | 111 | .6  | 14  | 7   | 185  | 1.99 | 3   | 5   | ND  | 4   | 13  | 1   | 2   | 2  | 26 | .12 | .098 | 9  | 16  | .34 | 113 | .10 | 5  | 2.27 | .02 | .13 | 1  |
| NH. 205 | 1   | 14  | 27  | 229 | .5  | 17  | 8   | 616  | 2.75 | 3   | 5   | ND  | 8   | 22  | 1   | 2   | 2  | 20 | .19 | .184 | 15 | 18  | .43 | 237 | .14 | 2  | 2.07 | .01 | .50 | 1  |
| NH. 206 | 1   | 24  | 30  | 103 | .4  | 16  | 7   | 227  | 2.11 | 2   | 5   | ND  | 6   | 11  | 1   | 2   | 2  | 27 | .13 | .061 | 11 | 16  | .36 | 147 | .11 | 2  | 2.14 | .02 | .20 | 1  |
| NH. 207 | 1   | 24  | 32  | 105 | .6  | 18  | 8   | 283  | 2.05 | 2   | 5   | ND  | 7   | 15  | 1   | 2   | 2  | 27 | .14 | .052 | 12 | 15  | .35 | 157 | .12 | 3  | 2.40 | .02 | .20 | 1  |
| NH. 208 | 1   | 23  | 52  | 123 | .5  | 18  | 7   | 210  | 2.09 | 3   | 5   | ND  | 7   | 12  | 1   | 2   | 2  | 26 | .10 | .035 | 12 | 14  | .34 | 137 | .13 | 2  | 2.37 | .02 | .21 | 1  |
| NH. 209 | 1   | 23  | 13  | 74  | .1  | 21  | 7   | 180  | 1.88 | 2   | 5   | ND  | 4   | 10  | 1   | 2   | 2  | 27 | .12 | .024 | 9  | 14  | .39 | 100 | .11 | 2  | 1.83 | .02 | .17 | 1  |
| NH. 210 | 1   | 24  | 18  | 116 | .1  | 23  | 8   | 176  | 1.98 | 2   | 5   | ND  | 6   | 15  | 1   | 2   | 2  | 27 | .14 | .040 | 9  | 13  | .30 | 158 | .13 | 4  | 2.44 | .02 | .13 | 1  |
| NH. 211 | 1   | 22  | 13  | 139 | .3  | 27  | 7   | 249  | 1.88 | 2   | 5   | ND  | 6   | 16  | 1   | 2   | 2  | 25 | .15 | .047 | 9  | 13  | .28 | 180 | .13 | 3  | 2.42 | .03 | .13 | 1  |



| SAMPLE# | MO  | CU  | PD  | ZB  | AG  | NI  | CO  | NH   | FE   | AS  | U   | AD  | TH  | SR  | CD  | SB  | BE  | V  | CA  | P    | LA  | CR  | MG  | BA  | TI  | B   | AL   | NA  | K   | #   |
|---------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|         | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I  | I   | I    | PPM | PPM | I   | PPM | I   | PPM | I    | I   | I   | PPM |
| NH. 212 | 1   | 11  | 19  | 107 | .1  | 12  | 7   | 385  | 1.61 | 2   | 5   | ND  | 3   | 10  | 1   | 2   | 2   | 21 | .14 | .052 | 8   | 14  | .38 | 112 | .07 | 2   | 1.22 | .02 | .15 | 2   |
| NH. 213 | 1   | 32  | 23  | 76  | .2  | 22  | 8   | 179  | 2.14 | 2   | 5   | ND  | 7   | 11  | 1   | 2   | 4   | 31 | .13 | .045 | 9   | 35  | .46 | 143 | .11 | 3   | 1.87 | .02 | .23 | 1   |
| NH. 214 | 1   | 33  | 50  | 125 | .2  | 17  | 8   | 280  | 2.76 | 9   | 5   | ND  | 9   | 11  | 1   | 2   | 2   | 29 | .12 | .034 | 24  | 24  | .52 | 79  | .12 | 2   | 1.63 | .01 | .45 | 1   |
| NH. 215 | 1   | 20  | 18  | 75  | .3  | 15  | 7   | 146  | 1.78 | 2   | 5   | ND  | 5   | 9   | 1   | 2   | 3   | 23 | .09 | .040 | 9   | 14  | .34 | 103 | .09 | 4   | 1.61 | .01 | .17 | 1   |
| NH. 216 | 1   | 35  | 22  | 85  | .3  | 19  | 7   | 143  | 1.97 | 2   | 5   | ND  | 5   | 12  | 1   | 2   | 4   | 26 | .11 | .040 | 8   | 13  | .31 | 126 | .11 | 2   | 1.80 | .02 | .13 | 1   |
| NH. 217 | 1   | 21  | 16  | 103 | .1  | 16  | 7   | 239  | 1.87 | 3   | 5   | ND  | 4   | 12  | 1   | 2   | 2   | 25 | .12 | .055 | 9   | 13  | .35 | 94  | .08 | 2   | 1.55 | .02 | .15 | 1   |
| NH. 218 | 1   | 18  | 20  | 124 | .5  | 21  | 8   | 316  | 1.89 | 2   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 25 | .14 | .095 | 9   | 14  | .29 | 122 | .11 | 3   | 2.25 | .02 | .12 | 1   |
| NH. 219 | 1   | 20  | 18  | 62  | .2  | 11  | 6   | 158  | 1.76 | 2   | 5   | ND  | 4   | 9   | 1   | 2   | 2   | 22 | .11 | .048 | 8   | 13  | .36 | 75  | .08 | 2   | 1.18 | .01 | .19 | 2   |
| NH. 220 | 1   | 21  | 21  | 103 | .3  | 20  | 9   | 285  | 1.99 | 2   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 26 | .14 | .055 | 9   | 19  | .40 | 149 | .10 | 2   | 1.83 | .02 | .18 | 1   |
| NH. 221 | 1   | 26  | 27  | 90  | .2  | 18  | 7   | 166  | 2.00 | 3   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 27 | .13 | .044 | 8   | 13  | .31 | 118 | .11 | 2   | 2.02 | .02 | .15 | 1   |
| NH. 222 | 1   | 21  | 26  | 91  | .1  | 15  | 7   | 237  | 1.91 | 2   | 5   | ND  | 4   | 12  | 1   | 2   | 2   | 24 | .12 | .053 | 9   | 13  | .34 | 98  | .09 | 2   | 1.64 | .02 | .15 | 1   |
| NH. 223 | 1   | 28  | 16  | 50  | .2  | 13  | 7   | 163  | 2.19 | 3   | 5   | ND  | 6   | 9   | 1   | 2   | 3   | 34 | .18 | .042 | 11  | 18  | .72 | 49  | .07 | 4   | 1.34 | .02 | .20 | 2   |
| NH. 224 | 1   | 20  | 14  | 53  | .1  | 15  | 7   | 180  | 2.11 | 2   | 5   | ND  | 5   | 9   | 1   | 2   | 2   | 30 | .12 | .017 | 9   | 22  | .83 | 48  | .08 | 2   | 1.40 | .01 | .22 | 1   |
| NH. 225 | 1   | 16  | 19  | 90  | .1  | 13  | 6   | 348  | 1.68 | 2   | 5   | ND  | 3   | 11  | 1   | 2   | 2   | 22 | .12 | .035 | 9   | 14  | .38 | 95  | .08 | 2   | 1.25 | .01 | .16 | 1   |
| NH. 226 | 1   | 22  | 17  | 72  | .1  | 13  | 7   | 284  | 1.97 | 2   | 5   | ND  | 4   | 9   | 1   | 2   | 3   | 28 | .14 | .051 | 11  | 17  | .56 | 80  | .08 | 2   | 1.31 | .01 | .22 | 1   |
| NH. 227 | 1   | 28  | 21  | 61  | .1  | 13  | 8   | 169  | 2.14 | 2   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 32 | .11 | .027 | 11  | 18  | .61 | 47  | .08 | 2   | 1.36 | .01 | .23 | 1   |
| NH. 228 | 1   | 26  | 19  | 54  | .1  | 13  | 8   | 184  | 2.06 | 2   | 5   | ND  | 4   | 11  | 1   | 2   | 3   | 34 | .13 | .011 | 10  | 18  | .65 | 45  | .08 | 2   | 1.29 | .01 | .18 | 1   |
| NH. 229 | 1   | 26  | 25  | 74  | .4  | 19  | 9   | 176  | 2.13 | 2   | 5   | ND  | 8   | 12  | 1   | 2   | 4   | 28 | .11 | .019 | 12  | 16  | .41 | 102 | .11 | 9   | 2.09 | .02 | .18 | 1   |
| NH. 230 | 1   | 32  | 17  | 59  | .1  | 12  | 8   | 235  | 2.24 | 2   | 5   | ND  | 8   | 9   | 1   | 3   | 2   | 36 | .17 | .030 | 15  | 14  | .61 | 46  | .08 | 2   | 1.19 | .02 | .31 | 1   |
| NH. 231 | 1   | 13  | 19  | 107 | .4  | 11  | 7   | 238  | 1.90 | 2   | 5   | ND  | 3   | 15  | 1   | 3   | 2   | 23 | .17 | .165 | 8   | 15  | .30 | 164 | .07 | 7   | 1.54 | .02 | .11 | 1   |
| NH. 232 | 1   | 16  | 17  | 94  | .3  | 11  | 6   | 279  | 1.71 | 2   | 5   | ND  | 4   | 15  | 1   | 2   | 2   | 23 | .15 | .149 | 7   | 12  | .24 | 112 | .09 | 3   | 1.57 | .02 | .09 | 1   |
| NH. 233 | 1   | 25  | 32  | 110 | .4  | 18  | 7   | 184  | 2.18 | 2   | 5   | ND  | 6   | 14  | 1   | 2   | 3   | 28 | .14 | .085 | 9   | 15  | .34 | 133 | .11 | 2   | 2.30 | .02 | .14 | 1   |
| NH. 234 | 1   | 25  | 58  | 108 | .3  | 14  | 8   | 206  | 2.30 | 3   | 5   | ND  | 7   | 7   | 1   | 2   | 2   | 24 | .09 | .078 | 14  | 17  | .46 | 105 | .11 | 2   | 1.48 | .01 | .34 | 1   |
| NH. 235 | 1   | 22  | 41  | 127 | .5  | 19  | 8   | 208  | 2.07 | 2   | 5   | ND  | 6   | 13  | 1   | 2   | 3   | 22 | .09 | .037 | 11  | 15  | .38 | 172 | .11 | 3   | 2.11 | .01 | .24 | 1   |
| NH. 236 | 1   | 19  | 32  | 132 | .8  | 17  | 7   | 284  | 2.05 | 2   | 5   | ND  | 7   | 15  | 1   | 3   | 3   | 24 | .11 | .051 | 11  | 14  | .28 | 195 | .12 | 4   | 2.51 | .02 | .17 | 1   |
| NH. 237 | 1   | 35  | 61  | 108 | 1.2 | 17  | 7   | 197  | 2.31 | 4   | 5   | ND  | 8   | 16  | 1   | 2   | 2   | 29 | .13 | .060 | 12  | 15  | .32 | 150 | .15 | 2   | 3.16 | .02 | .18 | 1   |
| STD C   | 19  | 60  | 36  | 139 | 7.7 | 70  | 28  | 1047 | 4.28 | 40  | 17  | 7   | 39  | 53  | 17  | 20  | 23  | 60 | .50 | .088 | 39  | 62  | .88 | 180 | .08 | 38  | 1.94 | .06 | .14 | 10  |