

NT EXPLORATION LICENCE 6899

REPORT OF EXPLORATION ACTIVITIES

(21 June 1990 to 20 June 1992)

(YEAR TWO)

LICENCEES: DR BURTON MURRELL  
SATURN RESOURCES PTY LTD

MAP SHEETS: 1:250,000 ALICE SPRINGS SF 53-14  
1:100,000 LAUGHLIN 5751

AUTHOR: Burton Murrell, PhD, FAustIMM, MAIG.

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*Burton Murrell*  
19.06.92

## CONTENTS

1. SUMMARY
2. INTRODUCTION
3. WORK UNDERTAKEN
  - 3.1. Stream sediment sampling
  - 3.2. Field examination
4. YEAR THREE PROGRAM
5. EXPENDITURE
6. LIST OF PLANS
7. KEY WORDS

1.

### SUMMARY

The whole of the exploration Licence area has been covered by stream sediment sampling of the overbank silts for geochemistry of the clay fraction. Results are presented for the 150 stream sediment samples were collected in this program covering about 70% of the Licence area, the remainder being major areas covered by alluvium and catchments below minimum target size.

Field studies have covered the majority of mapped mineral occurrences. The major quartz-filled breccias along the Woolanga Lineament show a coincident low level copper anomaly. Work continues on field checking anomalous photofeatures which could represent diatremes carrying mantle material. Soil samples for geochemistry collected from two enigmatic areas of no outcrop which occur nearby to each other in hilly terrain showed no anomalism.

2.

## INTRODUCTION

The Woolanga Lineament and related Pinnacles Fault appear as major crustal fractures juxtaposing blocks of vastly different metamorphic grade and truncating such major features as the Redbank (Harry Creek) Deformed Zone. In 1974 Stockdale Prospecting Ltd recovered a small diamond from the Pinnacles Bore area. The proximity to the Woolanga Lineament of the Mordor Alkali-basic Complex in the southeast and the Mud Tank Carbonatite in the northeast, the magnesian alteration associated with many types of minor mineral occurrences in the region and the persistent association of elevated chromium with mineralized areas combined with the occurrence of a single diamond suggests that the area associated with and marginal to these fracture systems may well host diamond source rocks.

Traditional diamond search has involved the collection of heavy mineral concentrates for the purpose of identifying minerals associated with some of the known diamond source rocks such as kimberlites. In high-grade metamorphic terrains such as this area, metamorphic heavy minerals such as almandine garnet are so abundant that the costs of sorting concentrates in search of a few significant indicator mineral grains becomes prohibitive. In addition, the discovery of abundant diamonds not associated with the traditional indicator minerals in the lamproitic Argyle Pipe in the Kimberley Region in 1979 caused a major revision of the body of knowledge on diamond occurrence which had built up during (and been skewed by) more than one hundred years of successful search for diamonds via the kimberlite indicator minerals.

The geochemical exploration technique which is in use in this program, in addition to identifying those catchments which contain metal anomalies can also indicate rocks of mantle origin by their distinctive metal abundance signatures. The program is thus designed to locate if possible all base and disseminated precious metal targets and any mantle derived rocks which could contain entrained diamond host rocks.

3.

## WORK UNDERTAKEN

### 3.1. Stream sediment sampling

One hundred and fifty samples of overbank silt each representing unique catchments the order between 0.5km<sup>2</sup> and 5.0km<sup>2</sup> were collected which will give a coverage of about 70% of the total area of the Licence leaving only the main drainage lines untested. Positions of the sample sites and the catchments represented are shown on the accompanying plans which have been prepared as overlays to the BMR 1:25,000 scale geological compilation sheets. In addition to the overbank material from which the clay fraction

is sent for analysis following separation, natural heavy mineral concentrates were collected and added to the sample for preparation of pan concentrates. These are examined for free gold in the pan and splits are examined microscopically.

### 3.2. Field examination

Visits have been made to all except three (so far) of marked occurrences of old workings in and near to the Licence area. The late quartz vein associated occurrences of copper minerals in the Pinnacles Copper District are not themselves considered viable targets but are of interest as indicating sources of mineralizing fluids as all are reputed to have carried some gold in addition to copper.

Of major significance are the extensive quartz-filled breccia zones which occur within the Woolanga Lineament and form the "Pinnacles" in the Pinnacles Fault Zone. Wide spread colluvial quartz along the Lineament suggests that the upstanding quartz-filled breccias are not the only potential host dilatory breccia zones along these structures. The whole Woolanga Lineament zone is a low level copper anomaly with some sniffs of gold, and the follow-up effort will concentrate in generating drilling targets within this zone.

About half of the photofeatures marked up during the program planning phase of photointerpretation as possible pipes in excess of 100m in diameter have been visited; the remainder will be checked in Year Two. Major features north of Ten Mile Dam which could be a large and a small pipe nearby to each other are quite enigmatic having no outcropping rock within them. The smaller of the two features has a number of types of trees growing on it which are not growing on the adjacent rock types suggesting a different chemistry. Soil samples (615 & 616) were collected for chemistry but unfortunately nothing in the chemistry suggests that these anomalies host mineralization or diatremes. The nearby "Queen of Sheba" prospect has minor copper mineralization in an ultrabasic intrusive of small size.

An effort will be made to locate and assess the source of base metal anomalies which fall in groups of contiguous catchments.

## 4. YEAR THREE PROGRAM

### 4.1. ACTIVITIES

Follow-up of the anomalies expected from the regional stream sediment geochemistry will be in two phases;

1. Prospecting of the catchment to see if the source of the anomalous signal can be located directly by inspection thus circumventing the slow and costly sub-sampling to closer locate the source of the anomalous signal. Any potential bodies found will be gridded and sampled to

locate drilling targets. Promising prospects generated will be put forward for drilling in Year Three.

2. Where no apparent source for the geochemical anomaly is found by prospecting, the catchment will be resampled and up to six subsamples collected representing major segments of the original catchment. These will represent subcatchments up to but rarely exceeding 1 km<sup>2</sup> in area which will closer identify the source of the anomaly but not add too greatly to costs should the original anomalous value not be able to be repeated by the laboratory (eg. due to laboratory error or contamination of the original sample).

The Year Three Program is designed to fully test the area remaining under licence. The adjacent area which could host the source of the diamond recovered by Stockdale has also been applied for now that it has become available so that it may also be tested by extending this program.

#### 4.2 EXPENDITURE

The minimum cost of the Year Three program, should no actual prospects be located during follow-up is estimated to cost \$12,500 which figure is proposed for consideration as the Year Three covenant.

5.

#### EXPENDITURE

|                                |          |
|--------------------------------|----------|
| Manning                        | 6,000    |
| Vehicle 15 days @ \$75         | 1,125    |
| Fuel & supplies for field work | 925      |
| Consumables                    | 69       |
| Freight                        | 96       |
| Analysis 150 @ \$22            | 3,300    |
| Office apportioned             | 1,200    |
| <hr/>                          |          |
| TOTAL                          | \$12,715 |

6.

#### LIST OF PLANS

LAUGHLIN 1:25,000, Stream sediment sample sites and catchments represented (plotted as overlays to the BMR Geol. compilation sheets).

Maps 5/16, 6/16, 7/16, 9/16, 10/16, 11/16 & 12/16 (7 maps, no map area completely covered).

7.

#### KEY WORDS

7.

**KEY WORDS**

Strangways Range, Pinnacles Copper District, copper, gold, diamond, geochemistry (stream sediment)(overbank silts, clay fraction).



# CLASSIC LABORATORIES

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P.O. Box 3777  
ALICE SPRINGS

NT 0871

## ANALYSIS REPORT :

Your Reference : 95

Our Reference : 2DN0055

Samples Received : 21/01/92

Results Reported : 05/02/92

Number of Samples : 229

Report Pages : 1 to 5

This report relates specifically to the samples tested in so far as the samples supplied are truly representative of the sample source.

If you have any enquiries please contact the undersigned quoting our reference as above.

## Report Codes:

N.A. -Not Analysed

L.N.R. -Listed But Not Received

I.S. -Insufficient Sample

Approved Signature:

for

ALAN CIPLYS  
Manager - Darwin  
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## ANALYTICAL REPORT

| SAMPLE | Au     | AuDpl  | Cu | Pb | Zn  |
|--------|--------|--------|----|----|-----|
| 14501  | 0.002  | --     | 64 | 10 | 140 |
| 14502  | 0.001  | <0.001 | 54 | 11 | 170 |
| 14503  | <0.001 | --     | 66 | 20 | 185 |
| 14504  | <0.001 | --     | 48 | 14 | 120 |
| 14505  | <0.001 | --     | 52 | 17 | 135 |
| 14506A | 0.001  | --     | 48 | 17 | 220 |
| 14506B | 0.002  | --     | 43 | 16 | 500 |
| 14507  | 0.003  | --     | 44 | 19 | 195 |
| 14508  | 0.006  | --     | 41 | 17 | 350 |
| 14509  | 0.002  | --     | 39 | 13 | 185 |
| 14510  | 0.002  | --     | 49 | 17 | 185 |
| 14511  | 0.001  | --     | 37 | 13 | 190 |
| 14512  | 0.001  | --     | 22 | 11 | 240 |
| 14513  | <0.001 | --     | 29 | 13 | 210 |
| 14514  | 0.001  | --     | 26 | 15 | 220 |
| 14515  | <0.001 | --     | 46 | 17 | 360 |
| 14516  | 0.002  | --     | 53 | 16 | 480 |
| 14517  | <0.001 | --     | 53 | 13 | 200 |
| 14518  | 0.001  | --     | 50 | 16 | 340 |
| 14519  | <0.001 | --     | 48 | 14 | 400 |
| 14520  | <0.001 | --     | 49 | 17 | 430 |
| 14521  | <0.001 | --     | 60 | 17 | 200 |
| 14522  | <0.001 | --     | 59 | 12 | 390 |
| 14523  | <0.001 | --     | 50 | 12 | 140 |
| 14524  | 0.001  | --     | 45 | 13 | 130 |
| 14525  | <0.001 | --     | 49 | 16 | 135 |
| 14526  | <0.001 | <0.001 | 53 | 16 | 145 |
| 14527  | 0.002  | --     | 44 | 13 | 230 |
| 14528  | 0.001  | 0.001  | 43 | 12 | 150 |
| 14529  | <0.001 | --     | 62 | 13 | 155 |
| 14530  | <0.001 | --     | 61 | 12 | 195 |
| 14531  | 0.001  | --     | 55 | 16 | 210 |
| 14532  | <0.001 | --     | 45 | 16 | 210 |
| 14533  | <0.001 | --     | 56 | 15 | 370 |
| 14534  | <0.001 | --     | 47 | 16 | 170 |
| 14535  | <0.001 | --     | 30 | 18 | 185 |
| 14536  | <0.001 | --     | 61 | 19 | 400 |
| 14537  | <0.001 | --     | 61 | 21 | 250 |
| 14538  | <0.001 | --     | 60 | 21 | 520 |
| 14539  | 0.002  | --     | 73 | 17 | 360 |
| 14540  | 0.003  | --     | 54 | 15 | 460 |
| 14541  | 0.002  | --     | 51 | 16 | 290 |
| 14542  | 0.002  | --     | 49 | 15 | 390 |
| 14543  | 0.003  | 0.002  | 43 | 13 | 230 |
| 14544  | 0.001  | --     | 53 | 16 | 200 |
| 14545  | 0.002  | --     | 56 | 12 | 165 |
| 14546  | 0.002  | --     | 36 | 25 | 450 |
| 14547  | 0.003  | --     | 38 | 15 | 430 |
| 14548  | 0.003  | --     | 48 | 14 | 430 |
| 14549  | 0.003  | 0.001  | 44 | 17 | 460 |

|         |       |       |      |      |      |
|---------|-------|-------|------|------|------|
| UNITS   | ppm   | ppm   | ppm  | ppm  | ppm  |
| DET.LIM | 0.001 | 0.001 | 2    | 4    | 2    |
| SCHEME  | AAS9  | AAS9  | AAS9 | AAS9 | AAS9 |



# CLASSIC LABORATORIES

Job: 2DN0055  
O/N: 95

## ANALYTICAL REPORT

| SAMPLE  | Au     | AuDpl | Cu   | Pb   | Zn   |
|---------|--------|-------|------|------|------|
| 14550   | 0.002  | --    | 34   | 12   | 220  |
| 14551   | 0.002  | --    | 12   | 13   | 135  |
| 14552   | 0.002  | --    | 28   | 13   | 150  |
| 14553   | 0.002  | --    | 35   | 15   | 140  |
| 14554   | 0.002  | --    | 51   | 12   | 150  |
| 14555   | 0.002  | --    | 43   | 13   | 160  |
| 14556   | 0.002  | --    | 82   | 22   | 195  |
| 14557   | 0.001  | --    | 53   | 14   | 150  |
| 14558   | 0.002  | --    | 49   | 14   | 200  |
| 14559   | 0.002  | --    | 53   | 16   | 170  |
| 14560   | 0.002  | --    | 49   | 21   | 350  |
| 14561   | 0.002  | --    | 47   | 26   | 430  |
| 14562   | 0.002  | --    | 41   | 17   | 390  |
| 14563   | 0.002  | --    | 70   | 15   | 200  |
| 14564   | 0.002  | --    | 62   | 16   | 170  |
| 14565   | 0.001  | --    | 64   | 17   | 145  |
| 14566   | 0.002  | 0.002 | 55   | 23   | 230  |
| 14567   | 0.002  | --    | 56   | 19   | 190  |
| 14568   | 0.002  | --    | 49   | 19   | 210  |
| 14569   | 0.003  | 0.002 | 41   | 14   | 165  |
| 14570   | 0.001  | --    | 44   | 15   | 230  |
| 14571   | 0.002  | --    | 45   | 14   | 210  |
| 14572   | <0.001 | --    | 43   | 15   | 180  |
| 14573   | 0.002  | 0.002 | 37   | 16   | 185  |
| 14574   | 0.002  | --    | 49   | 16   | 340  |
| 14575   | 0.001  | --    | 45   | 14   | 165  |
| 14576   | 0.002  | --    | 44   | 18   | 210  |
| 14577   | 0.002  | --    | 87   | 17   | 370  |
| 14578   | 0.002  | --    | 53   | 21   | 230  |
| 14579   | 0.001  | --    | 44   | 14   | 210  |
| 14580   | 0.002  | --    | 49   | 14   | 210  |
| 14581   | 0.001  | --    | 52   | 21   | 230  |
| 14582   | 0.002  | --    | 55   | 17   | 210  |
| 14583   | 0.003  | --    | 61   | 14   | 210  |
| 14584   | 0.001  | --    | 56   | 14   | 210  |
| 14585   | 0.001  | --    | 59   | 18   | 280  |
| 14586   | 0.004  | 0.003 | 63   | 14   | 220  |
| 14587   | 0.002  | --    | 62   | 18   | 180  |
| 14588   | 0.002  | --    | 56   | 15   | 185  |
| 14589   | 0.002  | --    | 51   | 11   | 145  |
| 14590   | 0.002  | --    | 60   | 23   | 230  |
| 14591   | 0.001  | --    | 64   | 12   | 145  |
| 14592   | 0.002  | --    | 65   | 26   | 240  |
| 14593   | 0.001  | --    | 60   | 12   | 165  |
| 14594   | 0.001  | --    | 54   | 13   | 150  |
| 14595   | 0.001  | --    | 44   | 12   | 155  |
| 14596   | <0.001 | --    | 39   | 15   | 190  |
| 14597   | 0.001  | --    | 39   | 13   | 165  |
| 14598   | 0.003  | --    | 46   | 12   | 220  |
| 14599   | 0.001  | --    | 51   | 31   | 210  |
| UNITS   | ppm    | ppm   | ppm  | ppm  | ppm  |
| DET.LIM | 0.001  | 0.001 | 2    | 4    | 2    |
| SCHEME  | AAS9   | AAS9  | AAS9 | AAS9 | AAS9 |



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## CLASSIC LABORATORIES

Job: 2DN0055

O/N: 95

## ANALYTICAL REPORT

| SAMPLE  | Au     | AuDp1  | Cu   | Pb   | Zn   |
|---------|--------|--------|------|------|------|
| 14600   | <0.001 | --     | 43   | 19   | 165  |
| 14601   | 0.001  | --     | 50   | 13   | 220  |
| 14602   | 0.002  | --     | 55   | 18   | 135  |
| 14603   | 0.002  | --     | 47   | 20   | 180  |
| 14604   | 0.002  | 0.002  | 48   | 11   | 130  |
| 14605   | 0.001  | --     | 73   | 13   | 135  |
| 14606   | 0.001  | --     | 47   | 13   | 115  |
| 14607   | 0.001  | --     | 47   | 12   | 120  |
| 14608   | 0.002  | --     | 47   | 13   | 170  |
| 14609   | 0.003  | --     | 54   | 13   | 210  |
| 14610   | 0.001  | 0.001  | 54   | 13   | 200  |
| 14611   | 0.002  | --     | 37   | 13   | 210  |
| 14612   | 0.001  | --     | 77   | 9    | 135  |
| 14613   | 0.002  | --     | 35   | 6    | 170  |
| 14614   | 0.001  | --     | 65   | 13   | 180  |
| 14615   | 0.002  | --     | 32   | 9    | 165  |
| 14616   | 0.002  | --     | 49   | 14   | 155  |
| 14617   | 0.002  | --     | 55   | 14   | 155  |
| 14618   | 0.003  | --     | 39   | 24   | 380  |
| 14619   | 0.004  | --     | 57   | 17   | 230  |
| 14620   | <0.001 | --     | 74   | 11   | 150  |
| 14621   | <0.001 | --     | 61   | 9    | 230  |
| 14622   | <0.001 | 0.001  | 49   | 8    | 185  |
| 14623   | <0.001 | --     | 43   | 7    | 135  |
| 14624   | 0.001  | --     | 51   | 12   | 185  |
| 14625   | 0.003  | --     | 50   | 7    | 165  |
| 14626   | 0.001  | --     | 36   | 11   | 140  |
| 14627   | <0.001 | --     | 50   | 9    | 160  |
| 14628   | 0.003  | --     | 42   | 10   | 135  |
| 14629   | <0.001 | --     | 54   | 7    | 85   |
| 14630   | 0.001  | --     | 48   | 8    | 87   |
| 14631   | 0.002  | --     | 45   | 7    | 220  |
| 14632   | 0.001  | --     | 43   | 11   | 130  |
| 14633   | 0.001  | --     | 46   | 8    | 210  |
| 14634   | 0.001  | --     | 39   | 10   | 120  |
| 14635   | 0.001  | --     | 57   | 18   | 125  |
| 14636   | 0.001  | --     | 49   | 21   | 150  |
| 14637   | <0.001 | --     | 49   | 16   | 82   |
| 14638   | <0.001 | --     | 31   | 21   | 165  |
| 14639   | <0.001 | --     | 25   | 20   | 440  |
| 14640   | 0.001  | --     | 34   | 24   | 300  |
| 14641   | 0.001  | --     | 40   | 21   | 165  |
| 14642   | <0.001 | <0.001 | 43   | 19   | 140  |
| 14643   | <0.001 | --     | 44   | 24   | 180  |
| 14644   | <0.001 | --     | 45   | 25   | 230  |
| 14645   | <0.001 | <0.001 | 31   | 20   | 360  |
| 14646   | <0.001 | --     | 17   | 11   | 125  |
| 14647   | <0.001 | --     | 40   | 17   | 430  |
| 14648   | <0.001 | --     | 43   | 22   | 380  |
| 14649   | <0.001 | --     | 45   | 18   | 380  |
| UNITS   | ppm    | ppm    | ppm  | ppm  | ppm  |
| DET.LIM | 0.001  | 0.001  | 2    | 4    | 2    |
| SCHEME  | AAS9   | AAS9   | AAS9 | AAS9 | AAS9 |

**CLASSIC LABORATORIES**Job: 2DN0055  
O/N: 95**ANALYTICAL REPORT**

| SAMPLE | Au     | AuDpl  | Cu | Pb | Zn  |
|--------|--------|--------|----|----|-----|
| 14650  | 0.001  | --     | 41 | 23 | 450 |
| 14651  | 0.001  | --     | 37 | 19 | 135 |
| 14652  | 0.002  | --     | 44 | 19 | 170 |
| 14653  | <0.001 | <0.001 | 32 | 18 | 185 |
| 14654  | 0.002  | --     | 73 | 40 | 370 |
| 14655  | 0.002  | --     | 53 | 29 | 580 |
| 14656  | <0.001 | --     | 57 | 18 | 150 |
| 14657  | 0.001  | --     | 67 | 16 | 140 |
| 14658  | 0.001  | --     | 55 | 17 | 145 |
| 14659  | 0.002  | --     | 50 | 18 | 165 |
| 14660  | 0.001  | --     | 56 | 20 | 175 |
| 14661  | 0.002  | --     | 48 | 19 | 135 |
| 14662  | 0.001  | --     | 38 | 18 | 115 |
| 14663  | 0.002  | --     | 43 | 31 | 190 |
| 14664  | <0.001 | --     | 57 | 20 | 145 |
| 14665  | 0.001  | --     | 46 | 18 | 160 |
| 14666  | 0.001  | --     | 45 | 16 | 210 |
| 14667  | 0.002  | --     | 74 | 24 | 200 |
| 14668  | <0.001 | --     | 55 | 17 | 165 |
| 14669  | <0.001 | --     | 38 | 18 | 130 |
| 14670  | 0.001  | 0.002  | 52 | 17 | 145 |
| 14671  | 0.001  | <0.001 | 43 | 21 | 175 |
| 14672  | <0.001 | --     | 42 | 14 | 190 |
| 14673  | <0.001 | --     | 71 | 28 | 380 |
| 14674  | <0.001 | 0.002  | 40 | 23 | 175 |
| 14675  | <0.001 | --     | 38 | 19 | 200 |
| 14676  | 0.004  | --     | 42 | 17 | 170 |
| 14677  | 0.003  | --     | 45 | 32 | 220 |
| 14678  | 0.001  | --     | 42 | 24 | 310 |
| 14679  | 0.002  | --     | 42 | 25 | 170 |
| 14680  | 0.003  | --     | 33 | 24 | 210 |
| 14681  | 0.002  | --     | 20 | 17 | 155 |
| 14682  | 0.001  | --     | 28 | 18 | 145 |
| 14683  | 0.002  | --     | 49 | 13 | 210 |
| 14684  | 0.002  | --     | 30 | 17 | 330 |
| 14685  | 0.001  | --     | 32 | 18 | 240 |
| 14686  | 0.001  | --     | 27 | 17 | 145 |
| 14687  | 0.002  | --     | 46 | 15 | 170 |
| 14688  | 0.001  | --     | 50 | 15 | 175 |
| 14689  | 0.002  | --     | 39 | 12 | 150 |
| 14690  | 0.002  | --     | 51 | 16 | 200 |
| 14691  | 0.002  | --     | 40 | 13 | 135 |
| 14692  | 0.002  | --     | 40 | 9  | 120 |
| 14693  | 0.003  | --     | 54 | 19 | 165 |
| 14694  | 0.002  | --     | 36 | 13 | 140 |
| 14695  | 0.003  | --     | 35 | 12 | 190 |
| 14696  | 0.001  | --     | 42 | 13 | 165 |
| 14697  | 0.002  | --     | 50 | 12 | 155 |
| 14698  | 0.002  | --     | 62 | 9  | 160 |
| 14699  | 0.001  | --     | 39 | 11 | 165 |

|         |       |       |      |      |      |
|---------|-------|-------|------|------|------|
| UNITS   | ppm   | ppm   | ppm  | ppm  | ppm  |
| DET.LIM | 0.001 | 0.001 | 2    | 4    | 2    |
| SCHEME  | AAS9  | AAS9  | AAS9 | AAS9 | AAS9 |



Final

# CLASSIC LABORATORIES

Job: 2DN0055  
O/N: 95

## ANALYTICAL REPORT

| SAMPLE | Au     | AuDpl | Cu | Pb | Zn  |
|--------|--------|-------|----|----|-----|
| 14700  | 0.001  | --    | 39 | 13 | 170 |
| 14701  | 0.002  | --    | 50 | 13 | 185 |
| 14702  | 0.001  | --    | 55 | 13 | 230 |
| 14703  | 0.003  | --    | 55 | 9  | 230 |
| 14704  | 0.001  | --    | 50 | 6  | 135 |
| 14705  | 0.003  | --    | 41 | 10 | 140 |
| 14706  | 0.002  | --    | 33 | 8  | 150 |
| 14707  | 0.003  | --    | 29 | 12 | 160 |
| 14708  | 0.001  | --    | 39 | 10 | 165 |
| 14709  | 0.002  | --    | 36 | 6  | 165 |
| 14710  | 0.001  | --    | 42 | 6  | 130 |
| 14711  | <0.001 | --    | 31 | 5  | 170 |
| 14712  | 0.003  | --    | 51 | 12 | 430 |
| 14713  | 0.002  | --    | 48 | 16 | 200 |
| 14714  | 0.002  | --    | 41 | 39 | 430 |
| 14715  | 0.003  | 0.002 | 65 | 13 | 330 |
| 14716  | <0.001 | --    | 45 | 10 | 450 |
| 14717  | 0.002  | --    | 36 | 10 | 380 |
| 14718  | 0.001  | --    | 58 | 9  | 145 |
| 14719  | 0.001  | --    | 50 | 11 | 220 |
| 14720  | 0.002  | --    | 64 | 12 | 220 |
| 14721  | 0.002  | --    | 50 | 11 | 165 |
| 14722  | 0.001  | --    | 49 | 9  | 550 |
| 14723  | 0.002  | --    | 29 | 11 | 410 |
| 14724  | 0.002  | --    | 93 | 12 | 450 |
| 14725  | <0.001 | --    | 52 | 9  | 170 |
| 14726  | 0.003  | --    | 36 | 9  | 185 |
| 14727  | 0.002  | 0.002 | 56 | 10 | 175 |
| 14728  | 0.002  | --    | 88 | 17 | 210 |

|         |       |       |      |      |      |
|---------|-------|-------|------|------|------|
| UNITS   | ppm   | ppm   | ppm  | ppm  | ppm  |
| DET.LIM | 0.001 | 0.001 | 2    | 4    | 2    |
| SCHEME  | AAS9  | AAS9  | AAS9 | AAS9 | AAS9 |

AA  
LL

## GEOCHEMICAL ANALYSIS CERTIFICATE

Burton Murrell File # 92-0118 Page 1

P.O. Box 3777, Alice Springs NT Australia 0871

AA  
LL

| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<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 | 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>% | U<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| 14501      | 1         | 80        | 11        | 154       | .1        | 38        | 27        | 723       | 5.93    | 2         | 5        | ND        | 5         | 57        | .2        | 2         | 2         | 69       | .90     | .066   | 32        | 62        | .75     | 198       | .05     | 4        | 4.08    | .02     | .75    | 1        |
| 14502      | 1         | 60        | 11        | 174       | .1        | 29        | 29        | 897       | 5.84    | 2         | 5        | ND        | 8         | 52        | .3        | 2         | 2         | 69       | .84     | .070   | 40        | 55        | .84     | 258       | .08     | 5        | 3.94    | .02     | .77    | 1        |
| 14503      | 1         | 92        | 24        | 193       | .1        | 36        | 29        | 870       | 5.91    | 2         | 5        | ND        | 14        | 56        | .4        | 2         | 2         | 67       | .84     | .059   | 47        | 61        | .97     | 353       | .08     | 4        | 4.51    | .02     | .89    | 1        |
| 14504      | 1         | 61        | 10        | 122       | .1        | 35        | 24        | 754       | 5.81    | 2         | 5        | ND        | 21        | 59        | .2        | 2         | 2         | 77       | .59     | .051   | 66        | 63        | 1.16    | 311       | .11     | 5        | 4.59    | .02     | 1.30   | 1        |
| 14505      | 1         | 67        | 28        | 157       | .1        | 33        | 30        | 1014      | 7.66    | 2         | 5        | ND        | 25        | 42        | .3        | 2         | 2         | 96       | .46     | .064   | 74        | 64        | 1.24    | 310       | .16     | 2        | 4.66    | .01     | 1.41   | 1        |
| 14506A     | 1         | 59        | 21        | 280       | .2        | 25        | 28        | 1044      | 7.57    | 3         | 5        | ND        | 20        | 43        | .6        | 2         | 2         | 97       | .46     | .055   | 61        | 48        | 1.12    | 281       | .23     | 4        | 4.04    | .02     | 1.35   | 1        |
| RE 14509   | 1         | 50        | 15        | 193       | .1        | 24        | 25        | 871       | 7.57    | 3         | 5        | ND        | 23        | 49        | .2        | 2         | 2         | 96       | .53     | .037   | 73        | 50        | 1.17    | 314       | .20     | 6        | 4.43    | .02     | 1.41   | 1        |
| 14506B     | 1         | 57        | 21        | 313       | .1        | 24        | 28        | 1061      | 7.20    | 2         | 5        | ND        | 19        | 41        | .4        | 2         | 2         | 93       | .45     | .053   | 58        | 45        | 1.09    | 269       | .22     | 3        | 3.88    | .01     | 1.29   | 1        |
| 14507      | 1         | 66        | 22        | 206       | .1        | 27        | 30        | 1269      | 7.73    | 3         | 5        | ND        | 21        | 34        | .3        | 2         | 2         | 99       | .49     | .038   | 59        | 48        | 1.28    | 240       | .17     | 2        | 4.25    | .02     | 1.32   | 1        |
| 14508      | 1         | 47        | 18        | 283       | .1        | 23        | 23        | 958       | 7.22    | 2         | 5        | ND        | 17        | 39        | .5        | 2         | 2         | 90       | .58     | .054   | 48        | 49        | 1.12    | 254       | .16     | 3        | 3.87    | .02     | 1.25   | 1        |
| 14509      | 1         | 52        | 19        | 191       | .1        | 24        | 25        | 878       | 7.58    | 3         | 5        | ND        | 23        | 48        | .3        | 2         | 2         | 96       | .54     | .037   | 73        | 49        | 1.18    | 314       | .20     | 5        | 4.39    | .02     | 1.44   | 1        |
| 14510      | 1         | 56        | 29        | 199       | .1        | 24        | 23        | 713       | 8.11    | 4         | 5        | ND        | 26        | 36        | .5        | 2         | 2         | 105      | .46     | .054   | 77        | 48        | 1.13    | 261       | .17     | 2        | 4.42    | .05     | 1.28   | 1        |
| 14511      | 1         | 62        | 15        | 259       | .1        | 29        | 24        | 776       | 6.44    | 2         | 5        | ND        | 26        | 61        | .3        | 2         | 2         | 78       | .88     | .050   | 74        | 50        | 1.19    | 246       | .15     | 8        | 4.10    | .04     | 1.19   | 1        |
| 14512      | 1         | 38        | 18        | 238       | .1        | 25        | 18        | 619       | 6.37    | 2         | 5        | ND        | 40        | 74        | .3        | 2         | 2         | 65       | 1.33    | .049   | 121       | 41        | 1.22    | 233       | .17     | 10       | 4.09    | .15     | 1.28   | 1        |
| 14513      | 1         | 46        | 15        | 215       | .1        | 26        | 19        | 665       | 6.12    | 2         | 5        | ND        | 27        | 66        | .4        | 2         | 2         | 69       | 1.09    | .051   | 82        | 45        | 1.47    | 254       | .16     | 9        | 3.87    | .06     | 1.31   | 1        |
| 14514      | 1         | 54        | 19        | 249       | .1        | 23        | 21        | 653       | 6.95    | 2         | 5        | ND        | 32        | 56        | .5        | 2         | 2         | 83       | .68     | .050   | 116       | 45        | 1.01    | 294       | .14     | 4        | 4.57    | .04     | 1.07   | 1        |
| 14515      | 1         | 41        | 16        | 258       | .1        | 24        | 18        | 673       | 6.00    | 2         | 5        | ND        | 32        | 68        | .2        | 2         | 2         | 62       | .94     | .059   | 102       | 44        | 1.34    | 251       | .13     | 6        | 3.97    | .03     | 1.32   | 1        |
| 14516      | 1         | 53        | 21        | 407       | .1        | 26        | 21        | 720       | 7.69    | 4         | 5        | ND        | 35        | 49        | .5        | 2         | 2         | 97       | .65     | .054   | 111       | 48        | .96     | 291       | .15     | 5        | 4.68    | .03     | 1.22   | 1        |
| 14517      | 1         | 51        | 12        | 197       | .1        | 30        | 20        | 568       | 6.12    | 2         | 5        | ND        | 25        | 45        | .2        | 2         | 2         | 78       | .73     | .054   | 77        | 55        | 1.09    | 281       | .17     | 5        | 4.13    | .03     | 1.18   | 1        |
| 14518      | 1         | 54        | 19        | 260       | .1        | 28        | 20        | 645       | 6.79    | 2         | 5        | ND        | 29        | 51        | .5        | 2         | 2         | 80       | .70     | .047   | 78        | 50        | 1.31    | 280       | .17     | 6        | 4.42    | .05     | 1.33   | 1        |
| 14519      | 1         | 48        | 15        | 353       | .1        | 21        | 17        | 538       | 5.46    | 2         | 5        | ND        | 29        | 68        | .4        | 2         | 2         | 66       | 1.15    | .046   | 85        | 38        | 1.24    | 191       | .16     | 11       | 3.79    | .03     | 1.20   | 1        |
| 14520      | 1         | 48        | 14        | 341       | .1        | 26        | 20        | 781       | 5.93    | 2         | 5        | ND        | 18        | 83        | .2        | 2         | 2         | 74       | 1.71    | .051   | 53        | 38        | 1.40    | 220       | .14     | 16       | 3.67    | .09     | 1.21   | 1        |
| 14521      | 1         | 63        | 16        | 233       | .1        | 30        | 23        | 765       | 6.13    | 4         | 5        | ND        | 18        | 43        | .3        | 2         | 2         | 79       | .86     | .055   | 47        | 52        | 1.13    | 227       | .09     | 4        | 4.22    | .02     | 1.06   | 1        |
| 14522      | 1         | 59        | 8         | 304       | .1        | 30        | 23        | 703       | 6.35    | 2         | 5        | ND        | 16        | 53        | .4        | 2         | 2         | 83       | 1.40    | .049   | 54        | 52        | 1.11    | 203       | .11     | 9        | 4.14    | .08     | 1.20   | 1        |
| 14523      | 1         | 47        | 12        | 152       | .1        | 27        | 20        | 622       | 6.09    | 2         | 5        | ND        | 22        | 41        | .3        | 2         | 2         | 81       | .60     | .039   | 53        | 51        | 1.06    | 183       | .11     | 5        | 4.00    | .02     | 1.08   | 1        |
| 14524      | 1         | 44        | 16        | 180       | .1        | 29        | 22        | 832       | 6.25    | 2         | 5        | ND        | 21        | 39        | .3        | 2         | 2         | 76       | .54     | .035   | 50        | 48        | 1.04    | 191       | .11     | 5        | 4.18    | .01     | 1.08   | 1        |
| 14525      | 1         | 44        | 14        | 162       | .1        | 33        | 21        | 616       | 6.54    | 3         | 5        | ND        | 18        | 32        | .2        | 2         | 2         | 84       | .68     | .028   | 49        | 52        | .99     | 135       | .06     | 4        | 4.45    | .01     | .90    | 1        |
| 14526      | 1         | 47        | 13        | 165       | .1        | 33        | 20        | 708       | 5.90    | 4         | 5        | ND        | 16        | 43        | .2        | 2         | 2         | 70       | 1.27    | .023   | 40        | 51        | 1.20    | 165       | .08     | 3        | 4.73    | .01     | 1.16   | 1        |
| 14527      | 1         | 37        | 13        | 251       | .1        | 29        | 20        | 637       | 5.73    | 2         | 5        | ND        | 26        | 72        | .2        | 2         | 2         | 64       | 1.00    | .042   | 90        | 43        | 1.18    | 235       | .10     | 11       | 3.96    | .06     | 1.17   | 1        |
| 14528      | 1         | 35        | 12        | 141       | .1        | 31        | 22        | 721       | 5.73    | 2         | 5        | ND        | 17        | 54        | .2        | 2         | 2         | 71       | .87     | .033   | 57        | 45        | .97     | 141       | .05     | 4        | 3.55    | .02     | .70    | 1        |
| 14529      | 1         | 57        | 11        | 148       | .1        | 29        | 20        | 711       | 5.25    | 2         | 5        | ND        | 17        | 49        | .3        | 2         | 2         | 65       | 1.82    | .053   | 54        | 44        | 1.06    | 167       | .07     | 6        | 3.38    | .02     | .73    | 1        |
| 14530      | 1         | 58        | 10        | 209       | .1        | 28        | 21        | 717       | 5.67    | 2         | 5        | ND        | 17        | 53        | .5        | 2         | 2         | 73       | 1.86    | .050   | 51        | 48        | 1.25    | 192       | .10     | 7        | 3.75    | .02     | .96    | 1        |
| 14531      | 1         | 46        | 18        | 215       | .1        | 30        | 18        | 613       | 5.31    | 3         | 5        | ND        | 13        | 49        | .2        | 2         | 2         | 64       | 2.11    | .036   | 41        | 47        | 1.14    | 173       | .06     | 4        | 4.83    | .02     | 1.03   | 1        |
| 14532      | 1         | 39        | 17        | 211       | .2        | 20        | 13        | 613       | 3.81    | 2         | 5        | ND        | 5         | 97        | .2        | 2         | 2         | 42       | 10.58   | .071   | 22        | 34        | .88     | 140       | .04     | 10       | 3.09    | .02     | .79    | 1        |
| 14533      | 1         | 47        | 13        | 255       | .1        | 33        | 23        | 776       | 5.61    | 2         | 5        | ND        | 18        | 62        | .2        | 2         | 2         | 65       | .86     | .044   | 68        | 49        | 1.09    | 256       | .08     | 5        | 4.26    | .02     | .97    | 1        |
| 14534      | 1         | 54        | 18        | 197       | .1        | 25        | 16        | 748       | 3.96    | 2         | 5        | ND        | 17        | 63        | .3        | 2         | 2         | 41       | 4.96    | .052   | 65        | 34        | .92     | 156       | .07     | 5        | 3.26    | .01     | .80    | 1        |
| 14535      | 1         | 52        | 19        | 180       | .1        | 26        | 17        | 811       | 4.93    | 5         | 5        | ND        | 12        | 46        | .2        | 2         | 2         | 57       | 2.76    | .038   | 38        | 40        | 1.04    | 168       | .09     | 4        | 3.85    | .01     | 1.10   | 1        |
| 14536      | 1         | 60        | 20        | 315       | .1        | 25        | 16        | 848       | 4.57    | 2         | 5        | ND        | 9         | 60        | .2        | 2         | 2         | 49       | 3.77    | .074   | 36        | 38        | 1.11    | 176       | .07     | 12       | 3.94    | .02     | 1.08   | 1        |
| STANDARD C | 18        | 57        | 38        | 126       | 6.9       | 68        | 32        | 1008      | 4.03    | 42        | 20       | 7         | 39        | 52        | 18.5      | 16        | 17        | 55       | .47     | .085   | 39        | 56        | .85     | 172       | .09     | 34       | 1.87    | .06     | .15    | 11       |

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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AU AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: PULP Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JAN 16 1992 DATE REPORT MAILED:

Jan 21/92

SIGNED BY.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<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 | 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>% | Pb<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|-----------|
| 14537      | 1         | 58        | 18        | 299       | .2        | 24        | 20        | 792       | 5.70    | 2         | 5        | ND        | 21        | 66        | .3        | 2         | 2         | 61       | 1.05    | .063   | 72        | 45        | 1.29    | 290       | .15     | 12       | 4.05    | .06     | 1.27   | 1         |
| 14538      | 1         | 58        | 21        | 411       | .2        | 29        | 21        | 816       | 5.69    | 2         | 5        | ND        | 14        | 84        | .2        | 2         | 2         | 62       | .99     | .051   | 60        | 48        | 1.17    | 342       | .10     | 11       | 4.57    | .05     | .91    | 1         |
| 14539      | 1         | 75        | 16        | 279       | .2        | 32        | 26        | 919       | 6.64    | 2         | 5        | ND        | 15        | 45        | .4        | 2         | 2         | 91       | .73     | .053   | 49        | 56        | 1.10    | 245       | .16     | 13       | 4.32    | .06     | 1.26   | 1         |
| 14540      | 1         | 55        | 19        | 375       | .2        | 27        | 21        | 724       | 6.05    | 3         | 5        | ND        | 20        | 64        | .4        | 2         | 2         | 69       | 1.14    | .046   | 71        | 51        | 1.28    | 287       | .14     | 12       | 4.25    | .06     | 1.31   | 1         |
| 14541      | 1         | 46        | 15        | 338       | .2        | 29        | 20        | 734       | 5.57    | 2         | 5        | ND        | 19        | 86        | .3        | 2         | 2         | 63       | 1.07    | .056   | 59        | 50        | 1.29    | 284       | .11     | 12       | 4.37    | .03     | 1.10   | 1         |
| RE 14546   | 1         | 46        | 35        | 330       | .1        | 25        | 22        | 932       | 5.96    | 2         | 5        | ND        | 43        | 52        | .3        | 2         | 2         | 66       | .64     | .050   | 96        | 44        | 1.35    | 233       | .13     | 4        | 4.29    | .02     | 1.26   | 1         |
| 14542      | 1         | 50        | 17        | 309       | .2        | 29        | 20        | 656       | 5.70    | 2         | 5        | ND        | 21        | 93        | .4        | 2         | 2         | 67       | 1.59    | .059   | 61        | 52        | 1.44    | 274       | .11     | 12       | 4.06    | .03     | 1.19   | 1         |
| 14543      | 1         | 51        | 18        | 256       | .1        | 28        | 17        | 730       | 7.01    | 2         | 5        | ND        | 35        | 82        | .4        | 2         | 2         | 74       | 1.46    | .059   | 72        | 54        | 2.08    | 245       | .19     | 18       | 4.66    | .06     | 1.69   | 1         |
| 14544      | 1         | 59        | 18        | 201       | .1        | 33        | 23        | 740       | 6.49    | 2         | 5        | ND        | 26        | 46        | .4        | 2         | 2         | 78       | .72     | .058   | 71        | 57        | 1.25    | 285       | .15     | 8        | 4.36    | .02     | 1.26   | 1         |
| 14545      | 1         | 70        | 16        | 200       | .2        | 30        | 25        | 559       | 6.52    | 2         | 5        | ND        | 13        | 44        | .3        | 2         | 2         | 88       | .85     | .036   | 44        | 51        | 1.08    | 240       | .15     | 7        | 4.29    | .02     | 1.15   | 1         |
| 14546      | 1         | 47        | 32        | 328       | .1        | 26        | 22        | 946       | 6.07    | 4         | 5        | ND        | 43        | 53        | .3        | 2         | 2         | 67       | .65     | .051   | 97        | 45        | 1.35    | 236       | .13     | 5        | 4.29    | .01     | 1.27   | 1         |
| 14547      | 1         | 43        | 18        | 344       | .1        | 27        | 21        | 782       | 6.36    | 2         | 5        | ND        | 26        | 44        | .5        | 2         | 2         | 74       | .63     | .048   | 68        | 43        | 1.37    | 266       | .14     | 11       | 4.10    | .12     | 1.33   | 1         |
| 14548      | 1         | 57        | 19        | 376       | .1        | 31        | 24        | 754       | 6.46    | 3         | 5        | ND        | 36        | 64        | .5        | 2         | 2         | 77       | .89     | .051   | 89        | 51        | 1.23    | 235       | .14     | 9        | 4.05    | .03     | 1.28   | 1         |
| 14549      | 1         | 59        | 24        | 416       | .1        | 36        | 24        | 768       | 6.56    | 2         | 5        | ND        | 35        | 51        | .5        | 2         | 2         | 75       | .76     | .043   | 90        | 59        | 1.64    | 297       | .15     | 9        | 4.04    | .14     | 1.57   | 1         |
| 14550      | 1         | 49        | 9         | 252       | .2        | 24        | 18        | 867       | 5.52    | 2         | 5        | ND        | 12        | 67        | .3        | 2         | 2         | 64       | 1.50    | .050   | 46        | 39        | 1.56    | 217       | .11     | 13       | 3.56    | .06     | 1.21   | 1         |
| 14551      | 1         | 44        | 16        | 159       | .2        | 36        | 20        | 581       | 6.19    | 4         | 5        | ND        | 10        | 35        | .2        | 2         | 2         | 76       | .90     | .025   | 36        | 57        | 1.15    | 159       | .08     | 6        | 4.87    | .02     | 1.09   | 1         |
| 14552      | 1         | 41        | 11        | 178       | .2        | 30        | 18        | 674       | 5.47    | 2         | 5        | ND        | 10        | 48        | .2        | 2         | 2         | 64       | 2.84    | .028   | 33        | 48        | 1.03    | 163       | .08     | 7        | 4.28    | .01     | .95    | 1         |
| 14553      | 1         | 51        | 10        | 137       | .1        | 36        | 20        | 803       | 4.84    | 4         | 5        | ND        | 8         | 38        | .2        | 2         | 2         | 56       | 1.29    | .052   | 27        | 48        | 1.51    | 172       | .19     | 7        | 4.71    | .02     | 1.37   | 1         |
| 14554      | 1         | 48        | 11        | 176       | .2        | 32        | 16        | 684       | 4.49    | 2         | 5        | ND        | 9         | 42        | .2        | 2         | 2         | 55       | 2.22    | .058   | 30        | 46        | 1.38    | 175       | .12     | 8        | 5.22    | .02     | 1.28   | 1         |
| 14555      | 1         | 39        | 15        | 170       | .2        | 27        | 15        | 549       | 5.26    | 2         | 5        | ND        | 12        | 55        | .2        | 2         | 2         | 57       | 2.48    | .025   | 33        | 45        | 1.12    | 155       | .09     | 6        | 4.31    | .02     | .91    | 1         |
| 14556      | 1         | 79        | 24        | 209       | .2        | 29        | 17        | 867       | 5.41    | 3         | 5        | ND        | 15        | 36        | .3        | 2         | 2         | 61       | 1.13    | .040   | 35        | 47        | .86     | 145       | .07     | 6        | 4.03    | .01     | .86    | 1         |
| 14557      | 1         | 50        | 12        | 154       | .2        | 29        | 14        | 620       | 4.06    | 4         | 5        | ND        | 8         | 43        | .2        | 2         | 2         | 48       | 3.09    | .064   | 31        | 42        | 1.31    | 155       | .12     | 8        | 4.53    | .02     | 1.24   | 1         |
| 14558      | 1         | 48        | 11        | 254       | .2        | 30        | 15        | 749       | 4.45    | 4         | 5        | ND        | 10        | 42        | .2        | 2         | 2         | 52       | 3.23    | .055   | 39        | 47        | 1.22    | 156       | .10     | 7        | 4.82    | .02     | 1.20   | 1         |
| 14559      | 1         | 53        | 15        | 170       | .2        | 28        | 14        | 763       | 4.21    | 2         | 5        | ND        | 9         | 51        | .2        | 2         | 2         | 48       | 3.58    | .075   | 37        | 43        | 1.27    | 163       | .10     | 10       | 4.68    | .02     | 1.21   | 1         |
| 14560      | 1         | 49        | 19        | 263       | .2        | 26        | 14        | 733       | 3.99    | 2         | 5        | ND        | 7         | 60        | .2        | 2         | 2         | 46       | 5.35    | .078   | 34        | 40        | 1.17    | 157       | .10     | 8        | 4.06    | .02     | 1.00   | 1         |
| 14561      | 1         | 49        | 20        | 353       | .3        | 27        | 16        | 922       | 4.72    | 2         | 5        | ND        | 10        | 45        | .2        | 2         | 2         | 54       | 3.85    | .065   | 38        | 45        | 1.16    | 172       | .07     | 8        | 4.53    | .02     | 1.06   | 1         |
| 14562      | 1         | 38        | 12        | 250       | .2        | 24        | 13        | 612       | 3.96    | 3         | 5        | ND        | 8         | 77        | .2        | 2         | 2         | 50       | 6.10    | .057   | 32        | 38        | 1.18    | 140       | .07     | 9        | 3.66    | .02     | .89    | 1         |
| 14563      | 1         | 73        | 16        | 195       | .1        | 39        | 20        | 711       | 6.36    | 6         | 5        | ND        | 15        | 46        | .3        | 2         | 3         | 79       | .84     | .030   | 36        | 59        | 1.08    | 139       | .10     | 6        | 4.30    | .02     | .92    | 1         |
| 14564      | 1         | 61        | 13        | 173       | .2        | 33        | 16        | 591       | 5.28    | 8         | 5        | ND        | 13        | 37        | .2        | 2         | 2         | 66       | .70     | .021   | 35        | 51        | 1.15    | 121       | .06     | 4        | 4.06    | .01     | .89    | 1         |
| 14565      | 1         | 64        | 13        | 148       | .2        | 29        | 18        | 689       | 5.13    | 6         | 5        | ND        | 8         | 52        | .3        | 2         | 2         | 65       | 2.88    | .030   | 36        | 47        | 1.11    | 131       | .05     | 5        | 4.29    | .01     | 1.16   | 1         |
| 14566      | 1         | 51        | 19        | 245       | .2        | 32        | 20        | 878       | 5.54    | 3         | 5        | ND        | 12        | 43        | .3        | 2         | 2         | 64       | 2.25    | .044   | 33        | 50        | 1.03    | 154       | .06     | 7        | 4.12    | .02     | .91    | 1         |
| 14567      | 1         | 56        | 23        | 193       | .1        | 34        | 24        | 1106      | 6.00    | 4         | 5        | ND        | 16        | 47        | .3        | 2         | 2         | 68       | .56     | .039   | 50        | 51        | 1.20    | 242       | .12     | 6        | 4.05    | .02     | 1.16   | 1         |
| 14568      | 1         | 58        | 20        | 224       | .2        | 31        | 20        | 1023      | 5.44    | 2         | 5        | ND        | 11        | 33        | .2        | 2         | 2         | 61       | 1.15    | .046   | 35        | 48        | 1.03    | 168       | .09     | 7        | 4.09    | .01     | 1.00   | 1         |
| 14569      | 1         | 44        | 12        | 166       | .3        | 28        | 15        | 619       | 4.64    | 4         | 5        | ND        | 8         | 53        | .2        | 2         | 2         | 52       | 8.08    | .035   | 32        | 42        | 1.04    | 149       | .11     | 6        | 3.45    | .01     | 1.04   | 1         |
| 14570      | 1         | 50        | 13        | 237       | .2        | 32        | 19        | 705       | 5.20    | 6         | 5        | ND        | 11        | 45        | .2        | 2         | 2         | 59       | 2.10    | .046   | 33        | 50        | 1.25    | 207       | .08     | 6        | 4.61    | .02     | 1.20   | 1         |
| 14571      | 1         | 55        | 17        | 225       | .1        | 33        | 21        | 896       | 5.85    | 4         | 5        | ND        | 26        | 44        | .3        | 2         | 2         | 70       | .62     | .038   | 60        | 50        | 1.11    | 182       | .11     | 6        | 4.24    | .03     | 1.19   | 1         |
| 14572      | 1         | 47        | 13        | 171       | .2        | 32        | 20        | 770       | 5.72    | 2         | 5        | ND        | 19        | 50        | .2        | 2         | 2         | 65       | 1.18    | .035   | 47        | 48        | 1.27    | 208       | .11     | 7        | 4.33    | .02     | 1.23   | 1         |
| STANDARD C | 18        | 56        | 38        | 127       | 6.8       | 72        | 32        | 1051      | 4.01    | 41        | 20       | 8         | 38        | 52        | 18.4      | 16        | 19        | 55       | .49     | .090   | 38        | 58        | .88     | 182       | .09     | 34       | 1.87    | .06     | .15    | 11        |

Sample type: PULP. Samples beginning 'RE' are duplicate samples.



| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<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 | 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>% | P<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| 14573      | 1         | 45        | 16        | 245       | .2        | 30        | 19        | 661       | 5.47    | 4         | 5        | ND        | 23        | 38        | .3        | 2         | 2         | 70       | 1.65    | .030   | 52        | 49        | 1.03    | 183       | .08     | 7        | 4.30    | .02     | 1.15   | 1        |
| 14574      | 1         | 52        | 13        | 276       | .1        | 30        | 21        | 798       | 4.95    | 5         | 5        | ND        | 21        | 71        | .2        | 2         | 2         | 59       | 1.19    | .050   | 73        | 44        | 1.13    | 328       | .10     | 8        | 4.04    | .02     | 1.16   | 1        |
| 14575      | 1         | 47        | 11        | 161       | .1        | 28        | 18        | 693       | 4.82    | 3         | 5        | ND        | 13        | 45        | .2        | 2         | 2         | 60       | 2.37    | .046   | 40        | 44        | 1.13    | 179       | .10     | 8        | 3.78    | .02     | 1.18   | 1        |
| 14576      | 1         | 45        | 13        | 222       | .1        | 27        | 19        | 950       | 5.13    | 7         | 5        | ND        | 15        | 78        | .2        | 4         | 2         | 60       | .85     | .018   | 38        | 46        | 1.41    | 193       | .06     | 9        | 4.18    | .03     | .80    | 1        |
| 14577      | 1         | 97        | 17        | 331       | .2        | 26        | 14        | 806       | 4.15    | 3         | 5        | ND        | 8         | 56        | .2        | 2         | 2         | 48       | 4.79    | .077   | 33        | 39        | 1.11    | 137       | .07     | 10       | 3.52    | .02     | .87    | 1        |
| 14578      | 1         | 54        | 18        | 231       | .1        | 30        | 17        | 1215      | 5.52    | 8         | 5        | ND        | 12        | 39        | .3        | 2         | 2         | 58       | 1.23    | .054   | 38        | 50        | 1.45    | 150       | .06     | 7        | 4.23    | .01     | 1.18   | 1        |
| 14579      | 1         | 51        | 11        | 234       | .1        | 25        | 14        | 742       | 4.21    | 4         | 5        | ND        | 6         | 48        | .2        | 2         | 2         | 45       | 6.91    | .053   | 36        | 39        | 1.27    | 115       | .08     | 8        | 4.00    | .01     | 1.23   | 1        |
| 14580      | 1         | 54        | 16        | 219       | .1        | 31        | 17        | 946       | 4.69    | 6         | 5        | ND        | 13        | 42        | .2        | 2         | 2         | 53       | 1.78    | .067   | 40        | 46        | 1.49    | 144       | .12     | 8        | 4.66    | .02     | 1.28   | 1        |
| 14581      | 1         | 52        | 21        | 211       | .1        | 28        | 16        | 999       | 4.48    | 3         | 5        | ND        | 13        | 49        | .2        | 2         | 2         | 51       | 3.06    | .088   | 39        | 41        | 1.30    | 155       | .11     | 9        | 4.21    | .03     | 1.09   | 1        |
| 14582      | 1         | 59        | 15        | 215       | .2        | 27        | 15        | 875       | 3.94    | 3         | 5        | ND        | 10        | 55        | .3        | 2         | 2         | 48       | 4.73    | .074   | 36        | 39        | 1.24    | 135       | .10     | 9        | 3.93    | .02     | .95    | 1        |
| 14583      | 1         | 64        | 10        | 214       | .1        | 34        | 19        | 828       | 4.36    | 2         | 5        | ND        | 10        | 39        | .2        | 2         | 2         | 50       | 1.79    | .055   | 36        | 45        | 1.48    | 145       | .12     | 7        | 4.46    | .02     | 1.27   | 1        |
| 14584      | 1         | 59        | 14        | 208       | .1        | 35        | 20        | 905       | 4.68    | 4         | 5        | ND        | 10        | 33        | .2        | 2         | 2         | 54       | 1.33    | .056   | 33        | 45        | 1.28    | 172       | .10     | 5        | 4.35    | .01     | 1.03   | 1        |
| 14585      | 1         | 69        | 18        | 280       | .1        | 30        | 16        | 645       | 3.92    | 5         | 5        | ND        | 7         | 47        | .2        | 2         | 2         | 47       | 3.95    | .066   | 34        | 40        | 1.36    | 153       | .11     | 6        | 4.45    | .02     | 1.21   | 1        |
| 14586      | 1         | 67        | 16        | 250       | .2        | 29        | 17        | 758       | 3.93    | 2         | 5        | ND        | 7         | 47        | .2        | 2         | 2         | 45       | 2.27    | .075   | 33        | 39        | 1.47    | 171       | .10     | 8        | 5.06    | .02     | 1.31   | 1        |
| 14587      | 1         | 63        | 11        | 191       | .1        | 35        | 20        | 692       | 4.05    | 2         | 5        | ND        | 8         | 37        | .2        | 2         | 2         | 48       | .93     | .055   | 29        | 43        | 1.52    | 178       | .15     | 6        | 4.49    | .02     | 1.19   | 1        |
| RE 14582   | 1         | 60        | 19        | 217       | .2        | 27        | 15        | 875       | 4.04    | 3         | 5        | ND        | 10        | 56        | .2        | 2         | 2         | 48       | 4.77    | .074   | 36        | 41        | 1.27    | 138       | .10     | 8        | 4.08    | .02     | 1.00   | 1        |
| 14588      | 1         | 58        | 13        | 193       | .1        | 30        | 18        | 815       | 4.48    | 2         | 5        | ND        | 9         | 45        | .2        | 2         | 2         | 49       | 2.23    | .064   | 33        | 45        | 1.56    | 168       | .10     | 8        | 4.00    | .01     | 1.13   | 1        |
| 14589      | 1         | 54        | 12        | 162       | .1        | 29        | 17        | 769       | 4.02    | 2         | 5        | ND        | 8         | 41        | .2        | 2         | 2         | 46       | 2.26    | .071   | 31        | 39        | 1.30    | 172       | .09     | 5        | 4.50    | .01     | 1.14   | 1        |
| 14590      | 1         | 64        | 23        | 248       | .2        | 33        | 20        | 903       | 4.20    | 2         | 5        | ND        | 9         | 46        | .2        | 2         | 2         | 48       | 1.31    | .070   | 33        | 43        | 1.26    | 166       | .12     | 8        | 3.93    | .02     | 1.15   | 1        |
| 14591      | 1         | 71        | 15        | 146       | .1        | 37        | 21        | 779       | 4.14    | 2         | 5        | ND        | 7         | 46        | .2        | 2         | 2         | 47       | .93     | .040   | 29        | 45        | 1.41    | 169       | .14     | 3        | 4.10    | .02     | .98    | 1        |
| 14592      | 1         | 72        | 32        | 296       | .2        | 36        | 22        | 986       | 4.80    | 2         | 5        | ND        | 10        | 56        | .2        | 2         | 2         | 62       | 1.96    | .054   | 36        | 50        | 1.28    | 194       | .14     | 6        | 4.24    | .02     | .84    | 1        |
| 14593      | 1         | 71        | 4         | 197       | .1        | 33        | 23        | 623       | 6.31    | 5         | 5        | ND        | 15        | 53        | .3        | 2         | 2         | 82       | 1.42    | .044   | 48        | 54        | 1.42    | 215       | .11     | 4        | 4.09    | .02     | 1.13   | 1        |
| 14594      | 1         | 57        | 7         | 167       | .1        | 32        | 23        | 911       | 6.98    | 4         | 5        | ND        | 25        | 36        | .6        | 2         | 2         | 83       | .39     | .055   | 60        | 50        | 1.22    | 226       | .15     | 3        | 3.67    | .01     | 1.27   | 1        |
| 14595      | 1         | 49        | 5         | 175       | .1        | 28        | 23        | 786       | 6.63    | 2         | 5        | ND        | 20        | 39        | .3        | 2         | 2         | 86       | .52     | .034   | 57        | 52        | 1.24    | 219       | .11     | 3        | 4.11    | .02     | 1.15   | 1        |
| 14596      | 1         | 39        | 7         | 196       | .1        | 32        | 24        | 884       | 6.33    | 5         | 5        | ND        | 17        | 41        | .4        | 2         | 2         | 85       | .31     | .026   | 46        | 56        | .87     | 157       | .10     | 3        | 3.62    | .02     | .90    | 1        |
| 14597      | 1         | 44        | 15        | 180       | .1        | 34        | 22        | 878       | 5.68    | 2         | 5        | ND        | 15        | 42        | .2        | 2         | 2         | 64       | .69     | .023   | 40        | 50        | 1.23    | 181       | .08     | 4        | 4.13    | .01     | 1.13   | 1        |
| 14598      | 1         | 52        | 8         | 248       | .1        | 23        | 14        | 653       | 5.99    | 6         | 5        | ND        | 10        | 27        | .2        | 2         | 2         | 62       | .81     | .040   | 34        | 40        | 1.01    | 145       | .12     | 3        | 4.96    | .01     | 1.14   | 1        |
| 14599      | 1         | 55        | 31        | 224       | .2        | 24        | 16        | 1211      | 5.31    | 5         | 5        | ND        | 7         | 30        | .2        | 2         | 2         | 59       | 2.21    | .063   | 33        | 42        | .93     | 156       | .08     | 6        | 3.57    | .01     | .86    | 1        |
| 14600      | 1         | 42        | 16        | 155       | .2        | 20        | 13        | 653       | 3.90    | 2         | 5        | ND        | 4         | 87        | .2        | 2         | 2         | 46       | 9.04    | .054   | 21        | 32        | .92     | 164       | .06     | 8        | 2.78    | .02     | .71    | 1        |
| 14601      | 1         | 53        | 9         | 246       | .1        | 28        | 19        | 725       | 5.29    | 4         | 5        | ND        | 14        | 126       | .2        | 2         | 2         | 55       | 4.65    | .085   | 50        | 40        | 1.62    | 259       | .12     | 7        | 3.85    | .02     | 1.30   | 1        |
| 14602      | 1         | 70        | 14        | 160       | .1        | 35        | 22        | 1071      | 6.08    | 5         | 5        | ND        | 12        | 35        | .4        | 4         | 2         | 65       | .76     | .064   | 41        | 51        | 1.28    | 222       | .12     | 5        | 3.95    | .01     | 1.25   | 1        |
| 14603      | 1         | 61        | 15        | 244       | .2        | 28        | 19        | 1018      | 5.45    | 3         | 5        | ND        | 8         | 47        | .3        | 5         | 2         | 61       | 1.63    | .074   | 39        | 41        | 1.40    | 227       | .11     | 7        | 3.75    | .02     | 1.21   | 1        |
| 14604      | 1         | 55        | 14        | 144       | .2        | 25        | 16        | 763       | 4.68    | 2         | 5        | ND        | 8         | 103       | .2        | 3         | 2         | 52       | 4.28    | .054   | 36        | 37        | 2.06    | 186       | .11     | 13       | 3.42    | .02     | 1.15   | 1        |
| 14605      | 1         | 94        | 17        | 184       | .2        | 33        | 23        | 1116      | 5.47    | 2         | 5        | ND        | 9         | 61        | .2        | 2         | 2         | 53       | 6.38    | .051   | 45        | 46        | 1.57    | 158       | .03     | 4        | 3.73    | .01     | 1.10   | 1        |
| 14606      | 1         | 48        | 18        | 120       | .1        | 28        | 17        | 784       | 5.24    | 2         | 5        | ND        | 9         | 40        | .2        | 2         | 2         | 57       | 1.80    | .025   | 35        | 47        | 1.20    | 152       | .06     | 3        | 4.21    | .01     | .85    | 1        |
| 14607      | 1         | 54        | 13        | 146       | .1        | 37        | 24        | 985       | 5.41    | 2         | 5        | ND        | 10        | 37        | .2        | 2         | 2         | 66       | .46     | .042   | 31        | 54        | 1.04    | 149       | .11     | 2        | 3.98    | .01     | .97    | 1        |
| 14608      | 1         | 53        | 16        | 208       | .1        | 45        | 29        | 1131      | 4.82    | 2         | 5        | ND        | 6         | 39        | .2        | 2         | 2         | 56       | .43     | .041   | 27        | 51        | 1.25    | 181       | .14     | 2        | 3.77    | .01     | 1.20   | 1        |
| STANDARD C | 18        | 58        | 35        | 132       | 7.1       | 69        | 32        | 1034      | 4.01    | 40        | 21       | 8         | 38        | 52        | 18.9      | 16        | 18        | 56       | .48     | .087   | 39        | 56        | .87     | 178       | .09     | 34       | 1.86    | .06     | .15    | 12       |

Sample type: PULP. Samples beginning 'RE' are duplicate samples.



| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<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 | 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>% | P<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| 14609      | 1         | 67        | 23        | 236       | .1        | 45        | 30        | 1415      | 4.65    | 2         | 5        | ND        | 7         | 51        | .2        | 2         | 2         | 53       | .58     | .056   | 31        | 53        | 1.20    | 197       | .14     | 4        | 4.20    | .01     | 1.00   | 1        |
| 14610      | 1         | 61        | 23        | 223       | .1        | 41        | 28        | 1113      | 5.05    | 2         | 5        | ND        | 8         | 49        | .3        | 2         | 2         | 61       | .55     | .065   | 31        | 57        | 1.15    | 188       | .15     | 6        | 4.10    | .01     | 1.07   | 1        |
| 14611      | 1         | 46        | 22        | 263       | .1        | 42        | 32        | 1077      | 5.11    | 2         | 5        | ND        | 9         | 42        | .2        | 2         | 2         | 62       | .67     | .073   | 30        | 58        | 1.33    | 185       | .16     | 5        | 4.48    | .02     | 1.17   | 1        |
| 14612      | 1         | 92        | 10        | 136       | .2        | 46        | 24        | 726       | 5.09    | 2         | 5        | ND        | 8         | 45        | .2        | 2         | 2         | 60       | .48     | .043   | 29        | 57        | 1.27    | 181       | .19     | 5        | 4.27    | .01     | 1.20   | 1        |
| 14613      | 1         | 42        | 13        | 184       | .1        | 47        | 34        | 815       | 6.39    | 5         | 5        | ND        | 8         | 52        | .3        | 2         | 2         | 80       | .47     | .044   | 33        | 70        | 1.07    | 178       | .24     | 3        | 3.55    | .01     | 1.02   | 1        |
| 14614      | 1         | 87        | 11        | 192       | .1        | 39        | 22        | 899       | 4.38    | 2         | 5        | ND        | 7         | 43        | .2        | 2         | 2         | 49       | .98     | .062   | 28        | 47        | 1.32    | 169       | .12     | 6        | 4.63    | .02     | 1.17   | 1        |
| 14615      | 1         | 39        | 9         | 167       | .2        | 20        | 12        | 368       | 2.67    | 2         | 5        | ND        | 5         | 117       | .2        | 2         | 2         | 33       | 9.82    | .094   | 25        | 29        | 1.11    | 104       | .10     | 8        | 3.48    | .01     | .72    | 1        |
| 14616      | 1         | 63        | 17        | 171       | .1        | 41        | 25        | 886       | 6.32    | 2         | 5        | ND        | 12        | 39        | .3        | 2         | 3         | 74       | .38     | .073   | 46        | 60        | .96     | 122       | .11     | 3        | 4.70    | .01     | .90    | 1        |
| 14617      | 1         | 69        | 19        | 171       | .1        | 42        | 26        | 1347      | 5.05    | 2         | 5        | ND        | 10        | 39        | .2        | 2         | 2         | 58       | .72     | .053   | 35        | 50        | 1.21    | 194       | .13     | 5        | 4.22    | .01     | 1.05   | 1        |
| 14618      | 1         | 48        | 17        | 305       | .1        | 50        | 35        | 1831      | 5.90    | 3         | 5        | ND        | 6         | 43        | .2        | 2         | 2         | 69       | .61     | .067   | 26        | 58        | 1.14    | 232       | .14     | 3        | 4.08    | .02     | 1.02   | 1        |
| 14619      | 1         | 73        | 18        | 244       | .1        | 50        | 31        | 1309      | 5.46    | 2         | 5        | ND        | 6         | 38        | .2        | 2         | 2         | 65       | .67     | .056   | 24        | 60        | 1.14    | 187       | .13     | 6        | 4.47    | .02     | .97    | 1        |
| 14620      | 1         | 106       | 10        | 171       | .1        | 44        | 26        | 822       | 4.92    | 2         | 5        | ND        | 8         | 41        | .2        | 2         | 2         | 63       | .80     | .040   | 28        | 63        | 1.23    | 162       | .14     | 4        | 4.36    | .02     | .93    | 1        |
| 14621      | 1         | 83        | 13        | 266       | .1        | 31        | 25        | 1046      | 6.22    | 2         | 5        | ND        | 10        | 57        | .3        | 2         | 2         | 62       | .92     | .072   | 44        | 39        | 1.02    | 216       | .12     | 5        | 4.18    | .02     | .79    | 1        |
| 14622      | 1         | 65        | 11        | 206       | .1        | 32        | 28        | 1016      | 6.13    | 3         | 5        | ND        | 8         | 46        | .3        | 2         | 2         | 69       | .61     | .047   | 38        | 41        | .83     | 182       | .10     | 2        | 4.32    | .02     | .75    | 1        |
| 14623      | 1         | 58        | 12        | 167       | .1        | 33        | 25        | 785       | 6.00    | 2         | 5        | ND        | 8         | 63        | .2        | 2         | 2         | 72       | .72     | .042   | 30        | 47        | 1.02    | 175       | .09     | 6        | 4.86    | .02     | .76    | 1        |
| 14624      | 1         | 63        | 17        | 207       | .1        | 29        | 27        | 908       | 6.47    | 2         | 5        | ND        | 10        | 45        | .2        | 2         | 2         | 76       | .57     | .038   | 33        | 40        | 1.07    | 239       | .15     | 4        | 4.51    | .02     | .85    | 1        |
| 14625      | 1         | 68        | 13        | 198       | .2        | 34        | 23        | 761       | 5.61    | 2         | 5        | ND        | 8         | 68        | .2        | 2         | 2         | 63       | .95     | .039   | 28        | 45        | 1.24    | 188       | .08     | 5        | 4.45    | .02     | .81    | 1        |
| 14626      | 1         | 44        | 15        | 149       | .1        | 33        | 23        | 770       | 6.06    | 3         | 5        | ND        | 14        | 54        | .2        | 2         | 2         | 76       | .47     | .029   | 38        | 49        | 1.38    | 201       | .17     | 5        | 4.51    | .02     | 1.18   | 1        |
| 14627      | 1         | 73        | 14        | 223       | .1        | 30        | 24        | 946       | 6.16    | 4         | 5        | ND        | 11        | 58        | .4        | 2         | 2         | 61       | .63     | .055   | 40        | 45        | 1.25    | 279       | .17     | 4        | 4.70    | .02     | 1.13   | 1        |
| 14628      | 1         | 57        | 10        | 260       | .1        | 27        | 19        | 792       | 5.35    | 2         | 5        | ND        | 11        | 59        | .3        | 2         | 2         | 61       | .91     | .059   | 36        | 39        | 1.24    | 236       | .19     | 9        | 4.09    | .02     | 1.03   | 1        |
| 14629      | 1         | 77        | 15        | 209       | .2        | 46        | 27        | 1382      | 5.30    | 5         | 5        | ND        | 14        | 44        | .2        | 4         | 3         | 61       | .64     | .053   | 44        | 54        | 1.47    | 273       | .23     | 5        | 5.14    | .02     | 1.36   | 2        |
| 14630      | 1         | 58        | 16        | 152       | .1        | 38        | 21        | 685       | 4.81    | 2         | 5        | ND        | 9         | 65        | .2        | 2         | 2         | 57       | 1.89    | .068   | 29        | 49        | 1.58    | 195       | .21     | 19       | 4.45    | .15     | 1.51   | 1        |
| 14631      | 1         | 63        | 13        | 258       | .1        | 39        | 22        | 1060      | 4.95    | 3         | 5        | ND        | 10        | 58        | .3        | 2         | 2         | 58       | 1.47    | .078   | 38        | 46        | 1.34    | 244       | .16     | 9        | 4.50    | .02     | 1.30   | 1        |
| 14632      | 1         | 59        | 18        | 179       | .1        | 37        | 24        | 869       | 6.15    | 4         | 5        | ND        | 23        | 65        | .2        | 2         | 2         | 70       | .69     | .044   | 75        | 54        | 1.28    | 258       | .11     | 6        | 4.51    | .04     | 1.25   | 1        |
| 14633      | 1         | 54        | 13        | 232       | .1        | 40        | 22        | 792       | 5.24    | 2         | 5        | ND        | 25        | 39        | .2        | 2         | 2         | 60       | .78     | .054   | 59        | 53        | 1.42    | 269       | .12     | 4        | 4.77    | .02     | 1.36   | 1        |
| 14634      | 1         | 49        | 18        | 184       | .1        | 36        | 21        | 645       | 5.41    | 2         | 5        | ND        | 20        | 52        | .2        | 2         | 2         | 64       | .68     | .048   | 77        | 51        | 1.16    | 195       | .11     | 4        | 3.95    | .02     | 1.17   | 1        |
| 14635      | 1         | 69        | 15        | 187       | .1        | 33        | 24        | 809       | 5.78    | 2         | 5        | ND        | 30        | 55        | .2        | 2         | 2         | 65       | .61     | .032   | 80        | 48        | 1.35    | 270       | .13     | 7        | 4.03    | .06     | 1.36   | 1        |
| 14636      | 1         | 56        | 14        | 212       | .1        | 41        | 25        | 723       | 5.53    | 2         | 5        | ND        | 23        | 48        | .2        | 2         | 2         | 64       | .54     | .047   | 71        | 48        | 1.21    | 187       | .12     | 5        | 3.63    | .02     | 1.19   | 1        |
| 14637      | 1         | 56        | 11        | 174       | .1        | 37        | 27        | 968       | 5.35    | 2         | 5        | ND        | 16        | 55        | .2        | 2         | 2         | 78       | .99     | .058   | 50        | 55        | 1.08    | 234       | .10     | 7        | 4.05    | .01     | 1.06   | 1        |
| 14638      | 1         | 35        | 15        | 156       | .1        | 33        | 21        | 615       | 5.06    | 6         | 5        | ND        | 27        | 65        | .2        | 2         | 2         | 72       | .78     | .035   | 67        | 45        | 1.15    | 211       | .07     | 2        | 4.41    | .01     | .88    | 1        |
| 14639      | 1         | 27        | 14        | 369       | .1        | 45        | 22        | 884       | 5.65    | 5         | 5        | ND        | 16        | 99        | .2        | 2         | 2         | 62       | 1.02    | .040   | 46        | 55        | 1.32    | 165       | .08     | 16       | 4.45    | .55     | 1.03   | 1        |
| RE 14640   | 1         | 43        | 15        | 247       | .1        | 24        | 21        | 802       | 5.69    | 2         | 5        | ND        | 32        | 54        | .4        | 2         | 2         | 67       | .65     | .040   | 105       | 40        | 1.14    | 221       | .13     | 4        | 3.75    | .11     | 1.17   | 1        |
| 14640      | 1         | 43        | 18        | 248       | .1        | 25        | 21        | 792       | 5.69    | 3         | 5        | ND        | 32        | 54        | .4        | 2         | 2         | 68       | .64     | .041   | 106       | 41        | 1.13    | 220       | .13     | 3        | 3.74    | .11     | 1.18   | 1        |
| 14641      | 1         | 54        | 19        | 176       | .1        | 36        | 27        | 1219      | 7.29    | 5         | 5        | ND        | 28        | 45        | .2        | 2         | 2         | 89       | .58     | .046   | 70        | 60        | 1.23    | 259       | .13     | 3        | 4.26    | .01     | 1.26   | 1        |
| 14642      | 1         | 69        | 26        | 164       | .1        | 34        | 28        | 1105      | 7.67    | 5         | 5        | ND        | 29        | 52        | .2        | 2         | 2         | 97       | .54     | .061   | 58        | 55        | 1.38    | 286       | .15     | 3        | 4.49    | .02     | 1.45   | 1        |
| 14643      | 1         | 53        | 19        | 170       | .1        | 25        | 26        | 904       | 6.72    | 4         | 5        | ND        | 23        | 46        | .2        | 2         | 2         | 96       | .63     | .068   | 60        | 42        | 1.36    | 278       | .16     | 6        | 4.15    | .02     | 1.52   | 1        |
| 14644      | 1         | 62        | 21        | 262       | .1        | 36        | 26        | 995       | 6.59    | 2         | 5        | ND        | 21        | 54        | .3        | 2         | 2         | 80       | .70     | .052   | 53        | 51        | 1.16    | 248       | .12     | 6        | 4.23    | .01     | 1.32   | 1        |
| STANDARD C | 19        | 60        | 37        | 137       | 7.1       | 74        | 33        | 1072      | 4.02    | 44        | 19       | 7         | 41        | 53        | 18.8      | 16        | 18        | 57       | .50     | .090   | 40        | 57        | .90     | 183       | .09     | 34       | 1.90    | .06     | .15    | 12       |

Sample type: PULP. Samples beginning 'RE' are duplicate samples.



| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<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 | 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>% | M<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| 14645      | 1         | 38        | 16        | 276       | .1        | 22        | 19        | 827       | 5.58    | 2         | 5        | ND        | 17        | 74        | .3        | 2         | 2         | 68       | 1.12    | .064   | 45        | 35        | 1.57    | 224       | .11     | 7        | 3.45    | .02     | 1.14   | 1        |
| 14646      | 1         | 39        | 18        | 275       | .1        | 26        | 21        | 867       | 5.89    | 2         | 5        | ND        | 25        | 52        | .2        | 2         | 2         | 73       | .63     | .068   | 59        | 38        | 1.25    | 230       | .13     | 6        | 3.61    | .01     | 1.27   | 1        |
| 14647      | 1         | 54        | 18        | 365       | .1        | 26        | 21        | 820       | 5.92    | 2         | 5        | ND        | 18        | 74        | .4        | 2         | 2         | 75       | 1.24    | .060   | 53        | 48        | 1.60    | 256       | .15     | 9        | 3.54    | .03     | 1.29   | 1        |
| 14648      | 1         | 50        | 16        | 303       | .1        | 21        | 20        | 886       | 6.40    | 2         | 5        | ND        | 21        | 54        | .3        | 2         | 2         | 83       | .79     | .055   | 54        | 35        | 1.30    | 251       | .15     | 7        | 3.59    | .04     | 1.26   | 1        |
| 14649      | 1         | 53        | 15        | 345       | .1        | 21        | 21        | 795       | 6.08    | 2         | 5        | ND        | 19        | 64        | .3        | 2         | 2         | 77       | .84     | .042   | 74        | 37        | 1.43    | 274       | .15     | 7        | 3.65    | .03     | 1.26   | 1        |
| 14650      | 1         | 40        | 18        | 315       | .1        | 24        | 20        | 798       | 6.00    | 2         | 5        | ND        | 23        | 79        | .3        | 2         | 2         | 69       | 2.19    | .060   | 74        | 36        | 1.76    | 291       | .14     | 9        | 3.60    | .03     | 1.41   | 1        |
| 14651      | 1         | 50        | 22        | 168       | .1        | 30        | 29        | 879       | 7.94    | 2         | 5        | ND        | 24        | 37        | .2        | 2         | 2         | 102      | .49     | .040   | 66        | 56        | 1.14    | 254       | .17     | 2        | 4.38    | .01     | 1.36   | 1        |
| 14652      | 1         | 51        | 15        | 205       | .1        | 29        | 24        | 814       | 6.93    | 2         | 5        | ND        | 33        | 47        | .2        | 2         | 2         | 78       | .67     | .053   | 89        | 58        | 1.11    | 286       | .16     | 5        | 4.15    | .02     | 1.38   | 1        |
| 14653      | 1         | 48        | 23        | 304       | .1        | 24        | 21        | 801       | 5.98    | 2         | 5        | ND        | 22        | 56        | .3        | 2         | 2         | 69       | .67     | .051   | 59        | 43        | 1.08    | 241       | .14     | 6        | 3.47    | .02     | 1.25   | 1        |
| 14654      | 1         | 83        | 35        | 295       | .1        | 32        | 22        | 731       | 6.78    | 2         | 5        | ND        | 24        | 55        | .5        | 2         | 3         | 76       | .73     | .037   | 54        | 57        | 1.16    | 220       | .18     | 6        | 3.65    | .08     | 1.28   | 1        |
| 14655      | 1         | 48        | 23        | 401       | .1        | 23        | 22        | 783       | 6.34    | 2         | 5        | ND        | 27        | 43        | .2        | 2         | 2         | 72       | .60     | .049   | 89        | 40        | .96     | 235       | .15     | 4        | 3.64    | .02     | 1.19   | 1        |
| 14656      | 1         | 63        | 16        | 173       | .1        | 36        | 27        | 819       | 6.62    | 2         | 5        | ND        | 20        | 40        | .2        | 2         | 2         | 88       | .53     | .051   | 54        | 68        | 1.17    | 302       | .18     | 4        | 4.50    | .02     | 1.34   | 1        |
| 14657      | 1         | 81        | 13        | 182       | .1        | 42        | 27        | 754       | 6.43    | 2         | 5        | ND        | 11        | 38        | .2        | 2         | 2         | 100      | .54     | .038   | 34        | 74        | 1.01    | 193       | .14     | 4        | 4.39    | .01     | 1.09   | 1        |
| 14658      | 1         | 61        | 14        | 180       | .1        | 32        | 24        | 688       | 6.18    | 2         | 5        | ND        | 17        | 46        | .2        | 2         | 3         | 83       | .63     | .049   | 53        | 59        | 1.18    | 284       | .17     | 4        | 4.21    | .02     | 1.43   | 1        |
| 14659      | 1         | 55        | 17        | 215       | .1        | 28        | 21        | 750       | 6.01    | 2         | 5        | ND        | 18        | 62        | .2        | 2         | 2         | 73       | 1.22    | .060   | 56        | 46        | 1.48    | 223       | .15     | 16       | 3.75    | .46     | 1.32   | 1        |
| 14660      | 1         | 76        | 26        | 297       | .1        | 30        | 28        | 1145      | 7.89    | 2         | 5        | ND        | 20        | 35        | .3        | 2         | 2         | 99       | .66     | .043   | 51        | 51        | 1.33    | 225       | .16     | 4        | 4.23    | .02     | 1.26   | 1        |
| 14661      | 1         | 58        | 22        | 207       | .1        | 34        | 30        | 969       | 7.59    | 2         | 5        | ND        | 21        | 46        | .2        | 2         | 2         | 84       | .58     | .029   | 48        | 56        | 1.38    | 226       | .15     | 6        | 4.47    | .11     | 1.23   | 1        |
| 14662      | 1         | 44        | 17        | 163       | .1        | 24        | 20        | 690       | 6.41    | 3         | 5        | ND        | 17        | 60        | .2        | 2         | 2         | 90       | .48     | .046   | 56        | 45        | .71     | 269       | .09     | 3        | 3.71    | .01     | .96    | 1        |
| 14663      | 1         | 46        | 30        | 288       | .1        | 28        | 27        | 941       | 6.72    | 2         | 5        | ND        | 27        | 51        | .2        | 2         | 2         | 67       | .66     | .035   | 71        | 46        | 1.50    | 256       | .14     | 6        | 3.91    | .02     | 1.35   | 1        |
| 14664      | 1         | 72        | 24        | 228       | .1        | 33        | 28        | 1070      | 8.47    | 2         | 5        | ND        | 23        | 42        | .2        | 2         | 2         | 93       | .61     | .047   | 60        | 59        | 1.69    | 289       | .18     | 5        | 4.71    | .01     | 1.69   | 1        |
| 14665      | 1         | 50        | 18        | 227       | .1        | 31        | 29        | 881       | 6.85    | 2         | 5        | ND        | 15        | 56        | .2        | 2         | 2         | 96       | .55     | .072   | 43        | 59        | .91     | 265       | .09     | 6        | 3.87    | .01     | .96    | 1        |
| 14666      | 1         | 52        | 14        | 325       | .1        | 31        | 26        | 1043      | 6.32    | 2         | 5        | ND        | 12        | 53        | .3        | 2         | 2         | 82       | .59     | .062   | 35        | 61        | 1.22    | 315       | .10     | 4        | 3.89    | .01     | .92    | 1        |
| 14667      | 1         | 95        | 24        | 321       | .1        | 39        | 29        | 874       | 6.97    | 2         | 5        | ND        | 17        | 50        | .6        | 2         | 2         | 85       | .72     | .055   | 65        | 65        | 1.45    | 347       | .16     | 5        | 4.23    | .02     | 1.36   | 1        |
| 14668      | 1         | 60        | 9         | 234       | .1        | 36        | 26        | 885       | 5.88    | 2         | 5        | ND        | 13        | 57        | .3        | 2         | 2         | 79       | .53     | .056   | 46        | 62        | 1.21    | 261       | .13     | 7        | 3.48    | .01     | 1.15   | 1        |
| 14669      | 1         | 46        | 20        | 204       | .1        | 26        | 21        | 804       | 6.21    | 2         | 5        | ND        | 15        | 48        | .2        | 2         | 2         | 76       | .60     | .056   | 46        | 45        | 1.17    | 216       | .12     | 6        | 3.81    | .01     | 1.08   | 1        |
| 14670      | 1         | 54        | 13        | 157       | .1        | 30        | 17        | 509       | 4.71    | 2         | 5        | ND        | 13        | 60        | .2        | 2         | 2         | 57       | .53     | .037   | 44        | 45        | 1.07    | 197       | .06     | 5        | 3.37    | .01     | .79    | 1        |
| 14671      | 1         | 42        | 12        | 190       | .1        | 24        | 20        | 762       | 5.06    | 3         | 5        | ND        | 12        | 61        | .2        | 2         | 2         | 69       | .57     | .048   | 43        | 40        | .74     | 228       | .08     | 6        | 3.33    | .01     | .78    | 1        |
| 14672      | 1         | 50        | 11        | 246       | .2        | 23        | 24        | 942       | 7.19    | 2         | 5        | ND        | 19        | 82        | .4        | 2         | 2         | 80       | 2.35    | .048   | 53        | 37        | 1.91    | 253       | .21     | 12       | 3.76    | .11     | 1.34   | 1        |
| 14673      | 1         | 87        | 35        | 332       | .1        | 36        | 30        | 940       | 8.22    | 6         | 5        | ND        | 27        | 61        | .4        | 2         | 2         | 92       | 1.11    | .040   | 66        | 57        | 1.77    | 197       | .17     | 9        | 4.16    | .09     | 1.38   | 1        |
| 14674      | 1         | 31        | 17        | 186       | .1        | 22        | 14        | 436       | 3.27    | 2         | 5        | ND        | 12        | 53        | .2        | 2         | 2         | 45       | .39     | .045   | 30        | 29        | .50     | 104       | .06     | 9        | 2.12    | .01     | .44    | 1        |
| 14675      | 1         | 37        | 14        | 194       | .1        | 24        | 15        | 465       | 3.84    | 3         | 5        | ND        | 11        | 47        | .2        | 2         | 2         | 50       | 1.11    | .050   | 29        | 33        | .77     | 132       | .05     | 7        | 2.74    | .01     | .58    | 1        |
| RE 14672   | 1         | 48        | 14        | 239       | .1        | 23        | 24        | 928       | 7.18    | 2         | 5        | ND        | 18        | 82        | .2        | 2         | 2         | 79       | 2.32    | .046   | 52        | 39        | 1.89    | 252       | .20     | 11       | 3.74    | .11     | 1.38   | 1        |
| 14676      | 1         | 46        | 11        | 176       | .1        | 24        | 19        | 538       | 4.80    | 2         | 5        | ND        | 16        | 53        | .3        | 2         | 2         | 63       | .70     | .037   | 46        | 38        | .84     | 143       | .09     | 8        | 3.07    | .01     | .79    | 1        |
| 14677      | 1         | 51        | 29        | 253       | .1        | 22        | 21        | 712       | 5.59    | 6         | 5        | ND        | 12        | 46        | .2        | 2         | 2         | 67       | .42     | .049   | 62        | 31        | .84     | 221       | .10     | 3        | 3.46    | .01     | 1.10   | 1        |
| 14678      | 1         | 40        | 18        | 258       | .1        | 26        | 22        | 718       | 4.88    | 2         | 5        | ND        | 17        | 56        | .2        | 2         | 2         | 58       | .63     | .064   | 42        | 39        | .76     | 160       | .06     | 6        | 2.99    | .01     | .77    | 1        |
| 14679      | 1         | 41        | 21        | 163       | .1        | 34        | 27        | 578       | 5.75    | 2         | 5        | ND        | 31        | 62        | .2        | 2         | 2         | 69       | .52     | .027   | 100       | 47        | 1.05    | 261       | .08     | 3        | 3.71    | .02     | .98    | 1        |
| 14680      | 1         | 31        | 20        | 222       | .1        | 27        | 20        | 551       | 4.49    | 4         | 5        | ND        | 14        | 56        | .2        | 2         | 2         | 57       | .49     | .050   | 49        | 41        | .66     | 137       | .05     | 6        | 2.81    | .01     | .71    | 1        |
| STANDARD C | 18        | 56        | 37        | 141       | 7.0       | 70        | 32        | 1031      | 4.01    | 41        | 19       | 8         | 39        | 52        | 18.3      | 15        | 17        | 55       | .48     | .086   | 38        | 56        | .87     | 178       | .09     | 31       | 1.88    | .06     | .14    | 11       |

Sample type: PULP. Samples beginning 'RE' are duplicate samples.

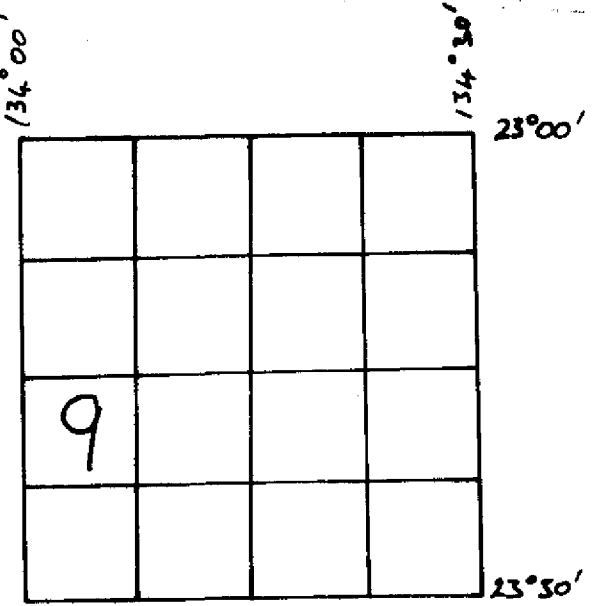


| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<br>ppm | Ni<br>ppm | Co<br>ppm | Mn<br>ppm | Fe<br>% | As<br>ppm | U<br>ppm | Au<br>ppm | Th<br>ppm | Sr<br>ppm | Cd<br>ppm | Sb<br>ppm | Bi<br>ppm | V<br>ppm | Ca<br>% | P<br>% | La<br>ppm | Cr<br>ppm | Mg<br>% | Ba<br>ppm | Ti<br>% | B<br>ppm | Al<br>% | Na<br>% | K<br>% | V<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| 14681      | 1         | 20        | 13        | 161       | .1        | 31        | 26        | 864       | 4.84    | 2         | 5        | ND        | 19        | 41        | .2        | 2         | 2         | 62       | .34     | .026   | 57        | 47        | .71     | 163       | .04     | 2        | 3.20    | .01     | .65    | 1        |
| 14682      | 1         | 28        | 21        | 151       | .1        | 34        | 20        | 960       | 4.33    | 4         | 5        | ND        | 14        | 38        | .2        | 2         | 2         | 54       | .30     | .028   | 65        | 42        | .88     | 194       | .09     | 2        | 3.84    | .01     | .78    | 1        |
| 14683      | 1         | 48        | 19        | 229       | .1        | 27        | 25        | 689       | 6.20    | 2         | 5        | ND        | 20        | 50        | .5        | 2         | 2         | 86       | .52     | .045   | 65        | 42        | 1.10    | 187       | .12     | 4        | 3.50    | .02     | 1.20   | 1        |
| RE 14686   | 1         | 55        | 20        | 191       | .1        | 32        | 22        | 689       | 5.50    | 2         | 5        | ND        | 24        | 44        | .4        | 2         | 2         | 72       | .49     | .042   | 69        | 51        | .94     | 178       | .11     | 2        | 3.18    | .01     | .92    | 1        |
| 14684      | 1         | 26        | 18        | 272       | .1        | 15        | 13        | 518       | 4.59    | 5         | 5        | ND        | 11        | 58        | .2        | 2         | 2         | 54       | .51     | .058   | 47        | 29        | .51     | 163       | .06     | 4        | 3.09    | .01     | .82    | 1        |
| 14685      | 1         | 30        | 17        | 155       | .1        | 28        | 21        | 791       | 5.74    | 2         | 5        | ND        | 18        | 48        | .4        | 2         | 2         | 74       | .48     | .030   | 54        | 45        | .82     | 149       | .06     | 4        | 3.41    | .01     | .74    | 1        |
| 14686      | 1         | 56        | 18        | 196       | .1        | 32        | 22        | 690       | 5.88    | 2         | 5        | ND        | 24        | 44        | .4        | 2         | 2         | 73       | .49     | .041   | 70        | 48        | .94     | 179       | .11     | 2        | 3.25    | .01     | .95    | 1        |
| 14687      | 1         | 29        | 18        | 230       | .1        | 16        | 14        | 530       | 4.97    | 3         | 5        | ND        | 16        | 52        | .2        | 2         | 2         | 59       | .59     | .051   | 43        | 32        | .67     | 158       | .09     | 7        | 2.98    | .01     | .85    | 1        |
| 14688      | 1         | 41        | 19        | 157       | .1        | 36        | 18        | 347       | 5.05    | 2         | 5        | ND        | 8         | 39        | .2        | 2         | 2         | 61       | .26     | .038   | 43        | 51        | .84     | 115       | .10     | 6        | 3.35    | .01     | .88    | 1        |
| 14689      | 1         | 37        | 18        | 152       | .1        | 34        | 18        | 412       | 5.50    | 5         | 5        | ND        | 5         | 37        | .3        | 2         | 2         | 67       | .22     | .037   | 38        | 52        | .85     | 124       | .11     | 3        | 3.53    | .01     | .87    | 1        |
| 14690      | 1         | 54        | 20        | 210       | .1        | 34        | 22        | 742       | 5.60    | 2         | 5        | ND        | 22        | 61        | .2        | 2         | 2         | 61       | .73     | .042   | 68        | 45        | 1.26    | 233       | .12     | 5        | 3.78    | .03     | 1.28   | 1        |
| 14691      | 1         | 45        | 19        | 129       | .1        | 30        | 19        | 618       | 5.44    | 3         | 5        | ND        | 19        | 47        | .2        | 2         | 2         | 67       | .52     | .045   | 46        | 47        | 1.16    | 130       | .12     | 6        | 3.77    | .05     | 1.15   | 1        |
| 14692      | 1         | 43        | 16        | 120       | .1        | 35        | 19        | 527       | 4.43    | 2         | 5        | ND        | 21        | 47        | .2        | 2         | 2         | 48       | .38     | .042   | 56        | 45        | 1.26    | 132       | .13     | 5        | 3.36    | .27     | 1.22   | 1        |
| 14693      | 1         | 70        | 31        | 187       | .1        | 30        | 18        | 749       | 6.09    | 2         | 5        | ND        | 39        | 43        | .2        | 2         | 2         | 55       | .32     | .034   | 92        | 46        | 1.17    | 262       | .15     | 3        | 4.17    | .02     | 1.38   | 1        |
| 14694      | 1         | 35        | 12        | 146       | .1        | 31        | 20        | 637       | 5.59    | 2         | 5        | ND        | 17        | 76        | .4        | 2         | 2         | 74       | .41     | .029   | 41        | 51        | 1.10    | 118       | .08     | 12       | 3.77    | .10     | 1.03   | 1        |
| 14695      | 1         | 38        | 13        | 203       | .1        | 28        | 23        | 901       | 5.76    | 3         | 5        | ND        | 15        | 65        | .3        | 2         | 2         | 75       | .25     | .027   | 39        | 45        | 1.11    | 158       | .06     | 9        | 3.42    | .21     | .75    | 1        |
| 14696      | 1         | 43        | 16        | 160       | .1        | 26        | 25        | 1030      | 6.38    | 4         | 5        | ND        | 12        | 44        | .5        | 2         | 2         | 81       | .24     | .038   | 51        | 45        | .80     | 148       | .13     | 3        | 3.44    | .08     | .79    | 1        |
| 14697      | 1         | 52        | 15        | 158       | .1        | 31        | 21        | 789       | 5.36    | 2         | 5        | ND        | 12        | 60        | .2        | 2         | 2         | 62       | .71     | .043   | 39        | 45        | 1.14    | 220       | .11     | 5        | 4.33    | .04     | 1.00   | 1        |
| 14698      | 1         | 62        | 10        | 145       | .1        | 34        | 22        | 749       | 4.61    | 2         | 5        | ND        | 5         | 63        | .2        | 2         | 2         | 55       | 1.42    | .042   | 24        | 43        | 1.04    | 170       | .09     | 4        | 3.70    | .02     | .70    | 1        |
| 14699      | 1         | 40        | 15        | 172       | .1        | 28        | 20        | 692       | 5.37    | 2         | 5        | ND        | 15        | 67        | .3        | 2         | 2         | 64       | .70     | .035   | 41        | 44        | 1.22    | 198       | .10     | 8        | 3.62    | .07     | .98    | 1        |
| 14700      | 1         | 45        | 15        | 179       | .1        | 29        | 21        | 737       | 5.80    | 2         | 5        | ND        | 14        | 55        | .4        | 2         | 2         | 72       | .57     | .030   | 38        | 45        | 1.19    | 202       | .09     | 6        | 3.96    | .03     | .90    | 1        |
| 14701      | 1         | 63        | 17        | 208       | .1        | 26        | 20        | 682       | 6.00    | 2         | 5        | ND        | 10        | 49        | .4        | 2         | 2         | 64       | .55     | .030   | 34        | 38        | 1.35    | 184       | .09     | 8        | 4.31    | .03     | .98    | 1        |
| 14702      | 1         | 63        | 19        | 251       | .2        | 24        | 19        | 717       | 5.70    | 2         | 5        | ND        | 11        | 74        | .4        | 2         | 2         | 60       | 1.33    | .032   | 37        | 40        | 1.29    | 183       | .08     | 5        | 4.19    | .03     | .76    | 1        |
| 14703      | 1         | 66        | 11        | 237       | .1        | 36        | 24        | 735       | 6.10    | 2         | 5        | ND        | 9         | 46        | .5        | 2         | 2         | 71       | .95     | .044   | 34        | 47        | .90     | 174       | .09     | 4        | 4.32    | .02     | .76    | 1        |
| 14704      | 1         | 51        | 10        | 168       | .1        | 34        | 19        | 866       | 5.42    | 2         | 5        | ND        | 8         | 39        | .3        | 2         | 2         | 62       | .50     | .036   | 32        | 44        | 1.05    | 135       | .10     | 3        | 3.80    | .03     | .83    | 1        |
| 14705      | 1         | 45        | 13        | 175       | .1        | 35        | 23        | 1085      | 4.83    | 2         | 5        | ND        | 9         | 47        | .3        | 2         | 2         | 55       | .89     | .026   | 37        | 46        | 1.23    | 220       | .09     | 5        | 4.52    | .02     | .84    | 1        |
| 14706      | 1         | 35        | 13        | 195       | .1        | 29        | 17        | 896       | 3.22    | 2         | 5        | ND        | 8         | 39        | .2        | 2         | 2         | 37       | 1.49    | .067   | 31        | 33        | 1.27    | 156       | .05     | 3        | 5.33    | .02     | .85    | 1        |
| 14707      | 1         | 29        | 17        | 188       | .1        | 28        | 17        | 683       | 3.47    | 2         | 5        | ND        | 5         | 70        | .2        | 2         | 2         | 40       | 2.31    | .052   | 26        | 35        | 1.22    | 144       | .09     | 10       | 4.77    | .05     | .87    | 1        |
| 14708      | 1         | 38        | 16        | 244       | .1        | 28        | 17        | 713       | 3.82    | 2         | 5        | ND        | 5         | 68        | .2        | 2         | 2         | 43       | 2.24    | .061   | 29        | 40        | 1.12    | 152       | .08     | 9        | 4.53    | .05     | .83    | 1        |
| 14709      | 1         | 36        | 10        | 174       | .1        | 30        | 18        | 730       | 3.68    | 2         | 5        | ND        | 4         | 54        | .2        | 2         | 2         | 43       | 2.72    | .054   | 27        | 38        | 1.23    | 154       | .09     | 7        | 4.70    | .04     | 1.06   | 1        |
| 14710      | 1         | 45        | 14        | 138       | .1        | 38        | 20        | 830       | 4.67    | 2         | 5        | ND        | 8         | 51        | .2        | 2         | 2         | 60       | .61     | .024   | 29        | 52        | 1.25    | 189       | .11     | 5        | 4.72    | .03     | 1.17   | 1        |
| 14711      | 1         | 32        | 11        | 188       | .1        | 29        | 16        | 587       | 3.80    | 2         | 5        | ND        | 7         | 47        | .2        | 2         | 2         | 50       | 3.54    | .050   | 28        | 39        | 1.13    | 187       | .09     | 5        | 4.71    | .03     | .91    | 1        |
| 14712      | 1         | 56        | 19        | 373       | .2        | 33        | 18        | 707       | 4.80    | 2         | 5        | ND        | 9         | 57        | .2        | 2         | 3         | 50       | 1.32    | .099   | 33        | 49        | 1.25    | 193       | .10     | 8        | 5.21    | .03     | 1.17   | 1        |
| 14713      | 1         | 54        | 26        | 224       | .1        | 39        | 21        | 966       | 4.81    | 2         | 5        | ND        | 9         | 60        | .2        | 2         | 3         | 58       | .94     | .039   | 34        | 52        | 1.44    | 220       | .08     | 4        | 5.15    | .02     | 1.06   | 1        |
| 14714      | 1         | 38        | 44        | 347       | .1        | 29        | 19        | 1133      | 5.70    | 2         | 5        | ND        | 15        | 42        | .2        | 2         | 2         | 69       | .62     | .032   | 42        | 51        | .95     | 191       | .10     | 5        | 4.19    | .02     | .77    | 1        |
| 14715      | 1         | 68        | 23        | 272       | .1        | 30        | 25        | 890       | 6.78    | 2         | 5        | ND        | 15        | 36        | .6        | 2         | 2         | 67       | .55     | .053   | 53        | 44        | .94     | 197       | .13     | 2        | 4.13    | .01     | .74    | 1        |
| 14716      | 1         | 42        | 14        | 359       | .1        | 29        | 16        | 618       | 3.65    | 2         | 5        | ND        | 3         | 74        | .3        | 2         | 2         | 45       | 2.28    | .092   | 25        | 37        | 1.16    | 180       | .11     | 12       | 4.52    | .03     | 1.13   | 1        |
| STANDARD C | 18        | 58        | 37        | 126       | 6.9       | 66        | 31        | 986       | 3.91    | 40        | 19       | 7         | 37        | 52        | 18.4      | 16        | 19        | 56       | .46     | .083   | 37        | 56        | .83     | 168       | .09     | 33       | 1.85    | .06     | .14    | 13       |

Sample type: PULP. Samples beginning 'RE' are duplicate samples.

| SAMPLE#    | Mo<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ag<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 | Bi<br>ppm | V<br>ppm | Ca<br>% | P<br>% | La<br>ppm | Cr<br>ppm | Mg<br>% | Ba<br>ppm | Ti<br>% | B<br>ppm | Al<br>% | Na<br>% | K<br>% | W<br>ppm |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| 14717      | 1         | 42        | 12        | 301       | .1        | 27        | 16        | 717       | 3.65    | 2         | 5        | ND        | 4         | 110       | .2        | 2         | 2         | 43       | 3.67    | .101   | 30        | 40        | 1.09    | 171       | .08     | 14       | 4.37    | .05     | 1.02   | 1        |
| 14718      | 1         | 70        | 18        | 179       | .1        | 39        | 21        | 918       | 4.59    | 2         | 5        | ND        | 10        | 61        | .2        | 2         | 2         | 50       | 1.25    | .081   | 35        | 51        | 1.34    | 188       | .12     | 7        | 5.15    | .05     | 1.21   | 1        |
| 14719      | 1         | 55        | 20        | 288       | .2        | 33        | 18        | 769       | 4.89    | 3         | 5        | ND        | 10        | 77        | .2        | 2         | 2         | 52       | 1.53    | .055   | 31        | 53        | 1.57    | 154       | .15     | 31       | 4.66    | .46     | 1.45   | 1        |
| 14720      | 1         | 74        | 20        | 289       | .2        | 37        | 21        | 1002      | 4.53    | 2         | 5        | ND        | 10        | 64        | .2        | 2         | 2         | 50       | 1.43    | .098   | 35        | 46        | 1.24    | 200       | .11     | 9        | 4.88    | .04     | 1.14   | 1        |
| 14721      | 1         | 56        | 16        | 228       | .1        | 25        | 16        | 676       | 4.13    | 4         | 5        | ND        | 9         | 75        | .2        | 2         | 2         | 44       | 2.75    | .108   | 39        | 40        | 1.10    | 163       | .07     | 11       | 4.83    | .04     | 1.18   | 1        |
| 14722      | 1         | 60        | 15        | 351       | .1        | 25        | 16        | 531       | 3.50    | 2         | 5        | ND        | 6         | 120       | .2        | 2         | 2         | 40       | 3.03    | .084   | 37        | 35        | 1.16    | 165       | .09     | 14       | 4.76    | .05     | 1.08   | 1        |
| 14723      | 1         | 53        | 14        | 296       | .1        | 31        | 18        | 707       | 3.97    | 4         | 5        | ND        | 6         | 116       | .2        | 2         | 2         | 47       | 2.53    | .068   | 32        | 41        | 1.18    | 174       | .10     | 12       | 4.48    | .04     | .97    | 1        |
| 14724      | 1         | 128       | 21        | 377       | .1        | 40        | 26        | 1104      | 4.46    | 4         | 5        | ND        | 5         | 71        | .4        | 2         | 2         | 52       | 1.34    | .072   | 27        | 51        | 1.16    | 183       | .08     | 9        | 4.44    | .02     | .91    | 1        |
| 14725      | 1         | 53        | 10        | 202       | .1        | 29        | 17        | 551       | 3.26    | 2         | 5        | ND        | 6         | 60        | .2        | 2         | 2         | 41       | 1.74    | .064   | 24        | 37        | 1.28    | 147       | .12     | 11       | 4.04    | .03     | 1.04   | 1        |
| 14726      | 1         | 36        | 14        | 228       | .1        | 23        | 14        | 473       | 2.79    | 2         | 5        | ND        | 5         | 137       | .2        | 2         | 2         | 35       | 4.65    | .089   | 27        | 31        | 1.27    | 127       | .08     | 11       | 3.52    | .02     | .86    | 1        |
| 14727      | 1         | 63        | 13        | 206       | .1        | 32        | 19        | 644       | 3.51    | 3         | 5        | ND        | 5         | 61        | .2        | 2         | 2         | 45       | 2.85    | .036   | 31        | 36        | 1.39    | 174       | .14     | 7        | 4.33    | .03     | 1.20   | 1        |
| 14728      | 1         | 103       | 22        | 269       | .1        | 35        | 25        | 1379      | 4.85    | 5         | 5        | ND        | 9         | 60        | .2        | 2         | 2         | 47       | 4.66    | .066   | 37        | 39        | .87     | 109       | .04     | 10       | 2.77    | .01     | .77    | 1        |
| RE 14720   | 1         | 73        | 19        | 291       | .1        | 35        | 22        | 1046      | 4.53    | 6         | 5        | ND        | 9         | 63        | .2        | 2         | 2         | 49       | 1.42    | .101   | 36        | 44        | 1.21    | 201       | .10     | 6        | 4.90    | .03     | 1.15   | 1        |
| STANDARD C | 19        | 58        | 38        | 137       | 7.2       | 72        | 34        | 1057      | 4.04    | 43        | 20       | 8         | 39        | 52        | 18.8      | 15        | 18        | 57       | .49     | .089   | 39        | 56        | .89     | 176       | .09     | 31       | 1.89    | .06     | .15    | 13       |

Sample type: PULP. Samples beginning 'RE' are duplicate samples.



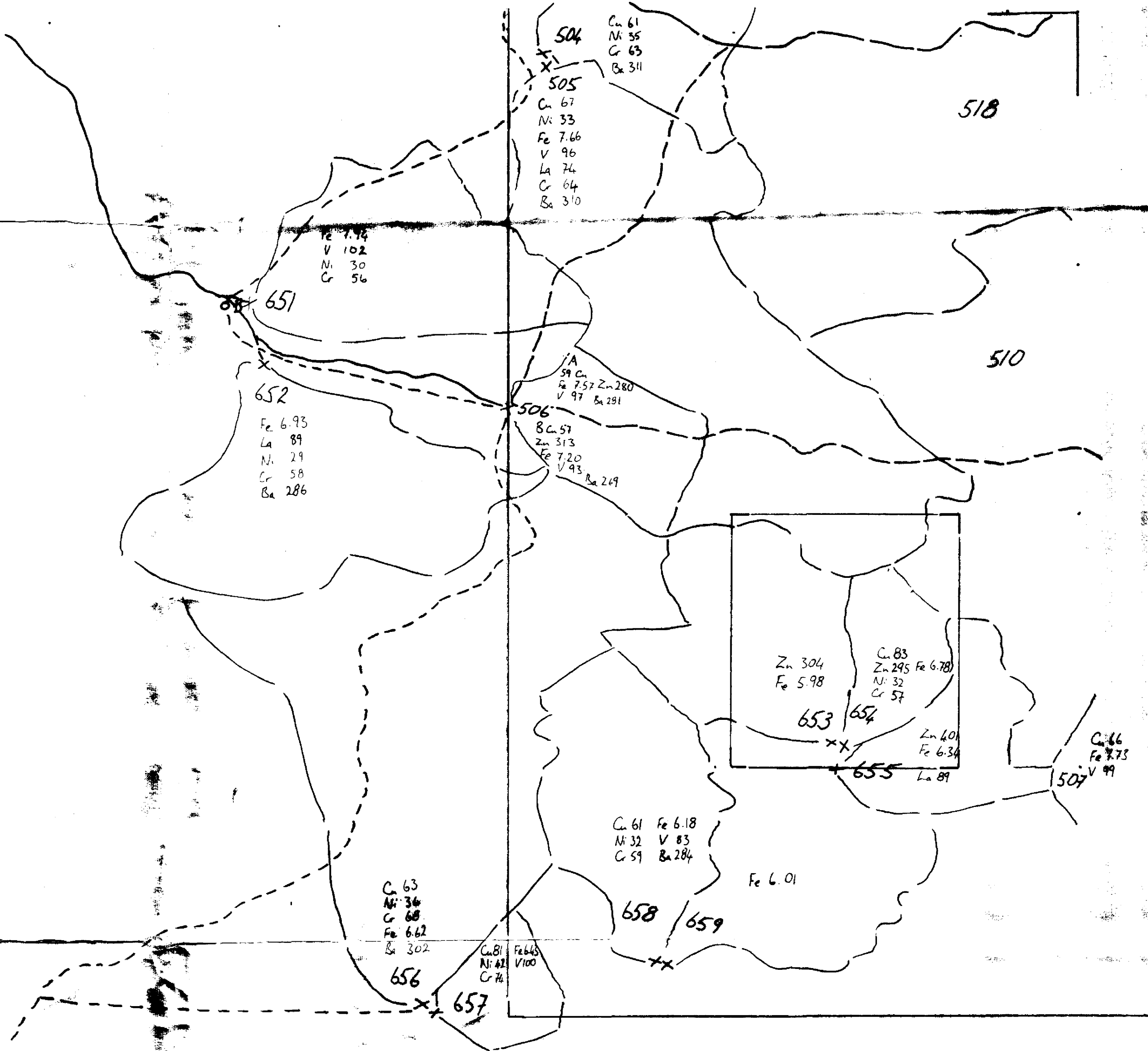
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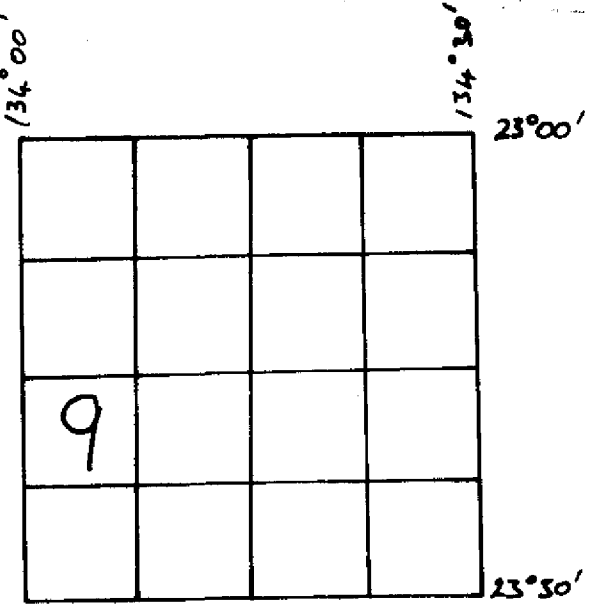
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SAMPLE LOCATIONS

Geol. Burton Murrell 19.06.91





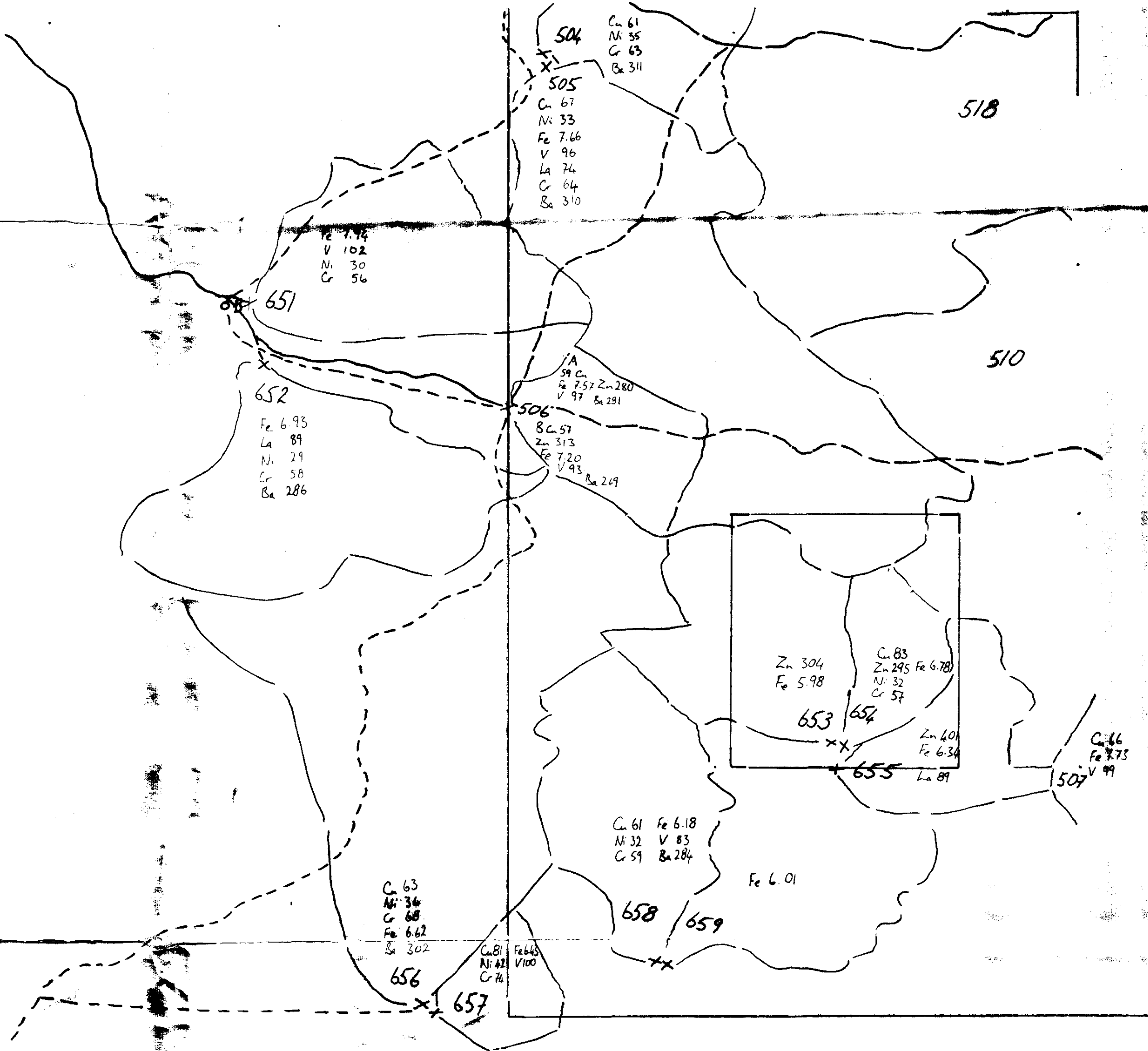
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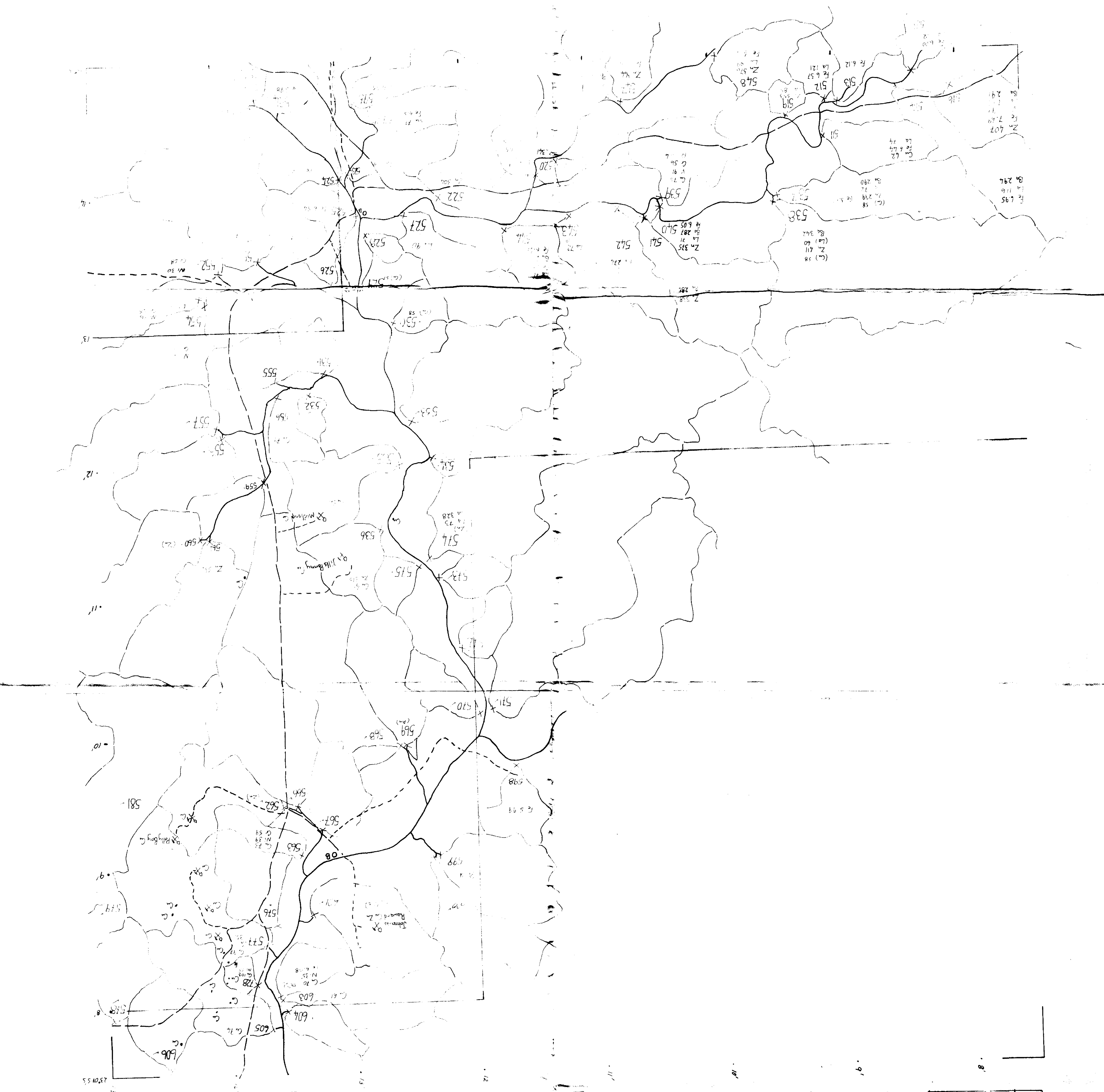
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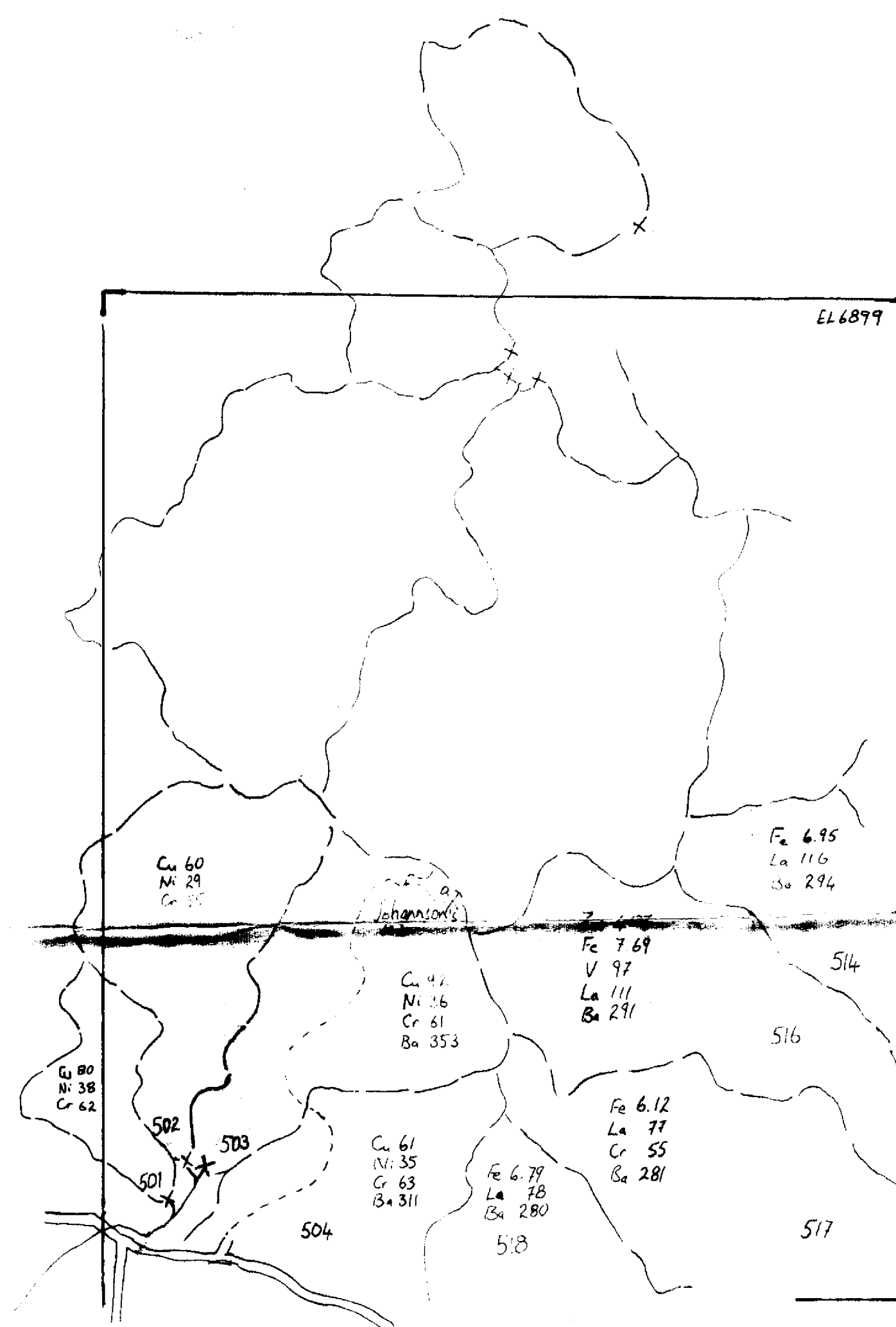
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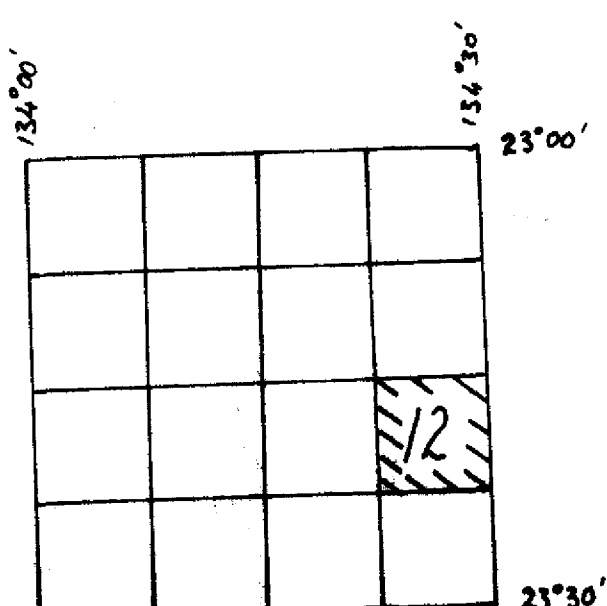
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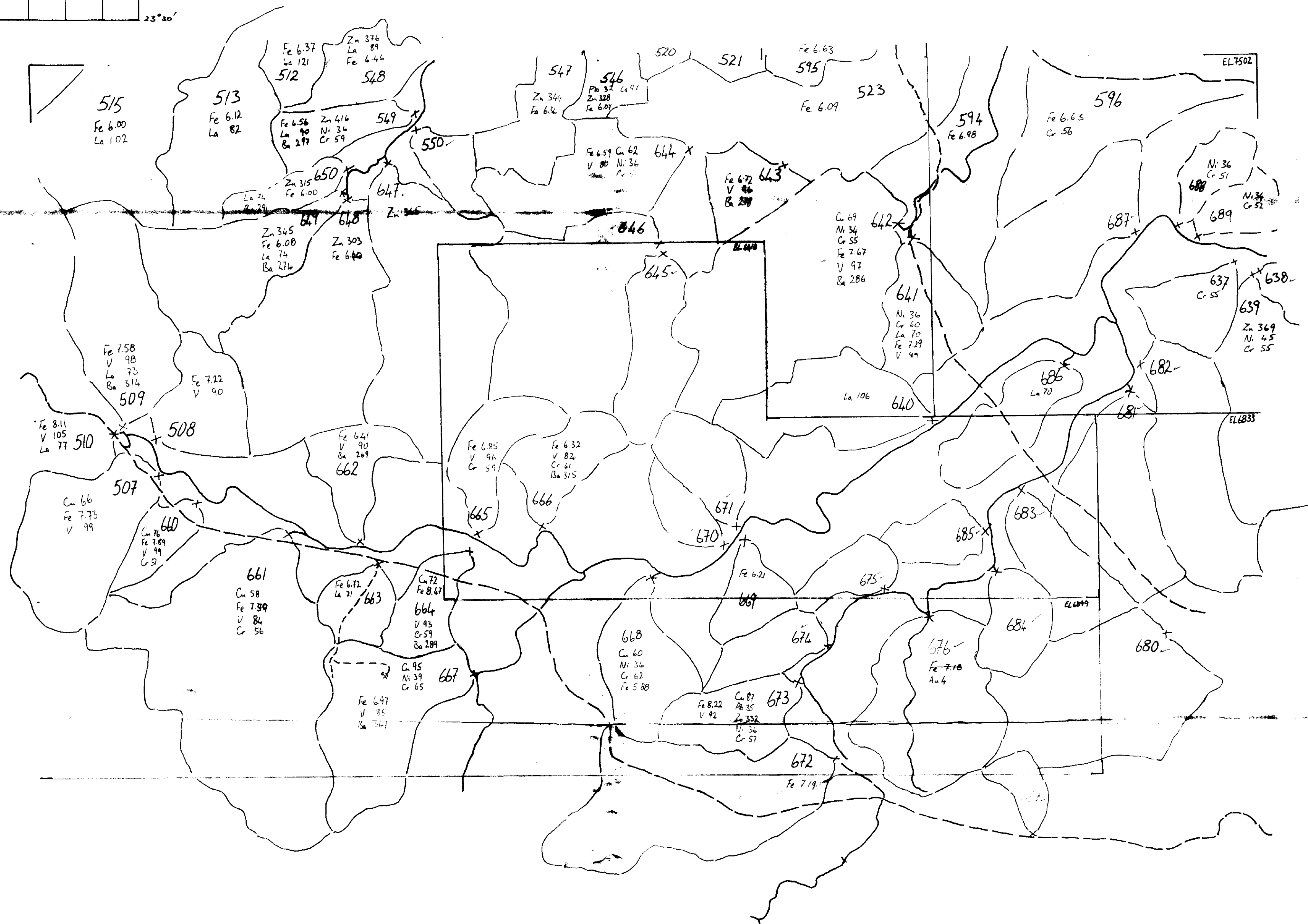


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CR92/478

A 4x4 grid with the number 10 in the second row, first column. The grid is labeled with coordinates: 23° 30' on the left and right, and 154° 30' on the top and bottom.



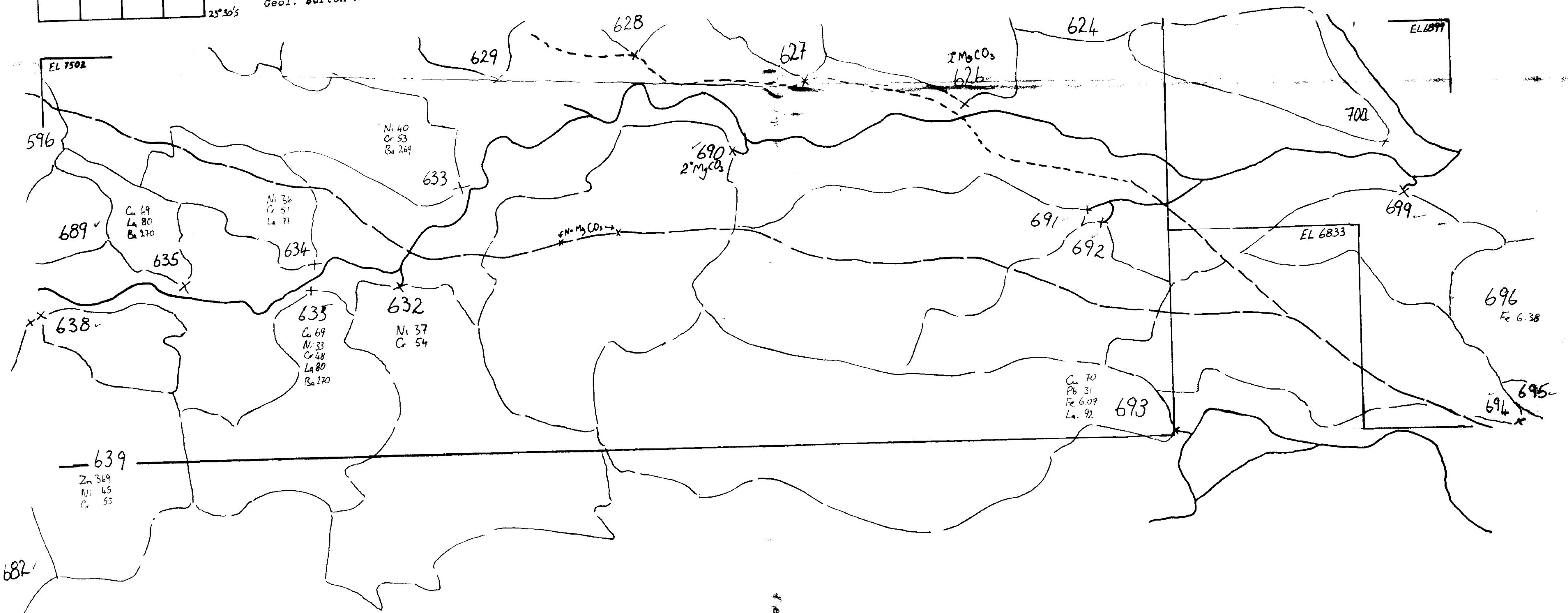
CR 2 / 478

A hand-drawn map of a rectangular area divided into a 4x4 grid. The grid is labeled with coordinates. The top-left corner is labeled '34° 00' and '28° 00''. The top edge is labeled '34° 00'', '7.5'', '15'', and '22.5''. The right edge is labeled '28° 00'', '7.5'', '15'', '22.5'', and '28° 30'' at the bottom-right corner. The number '11' is written in the center of the grid, specifically in the cell corresponding to the intersection of the 15'' and 22.5'' lines.

EL 6899

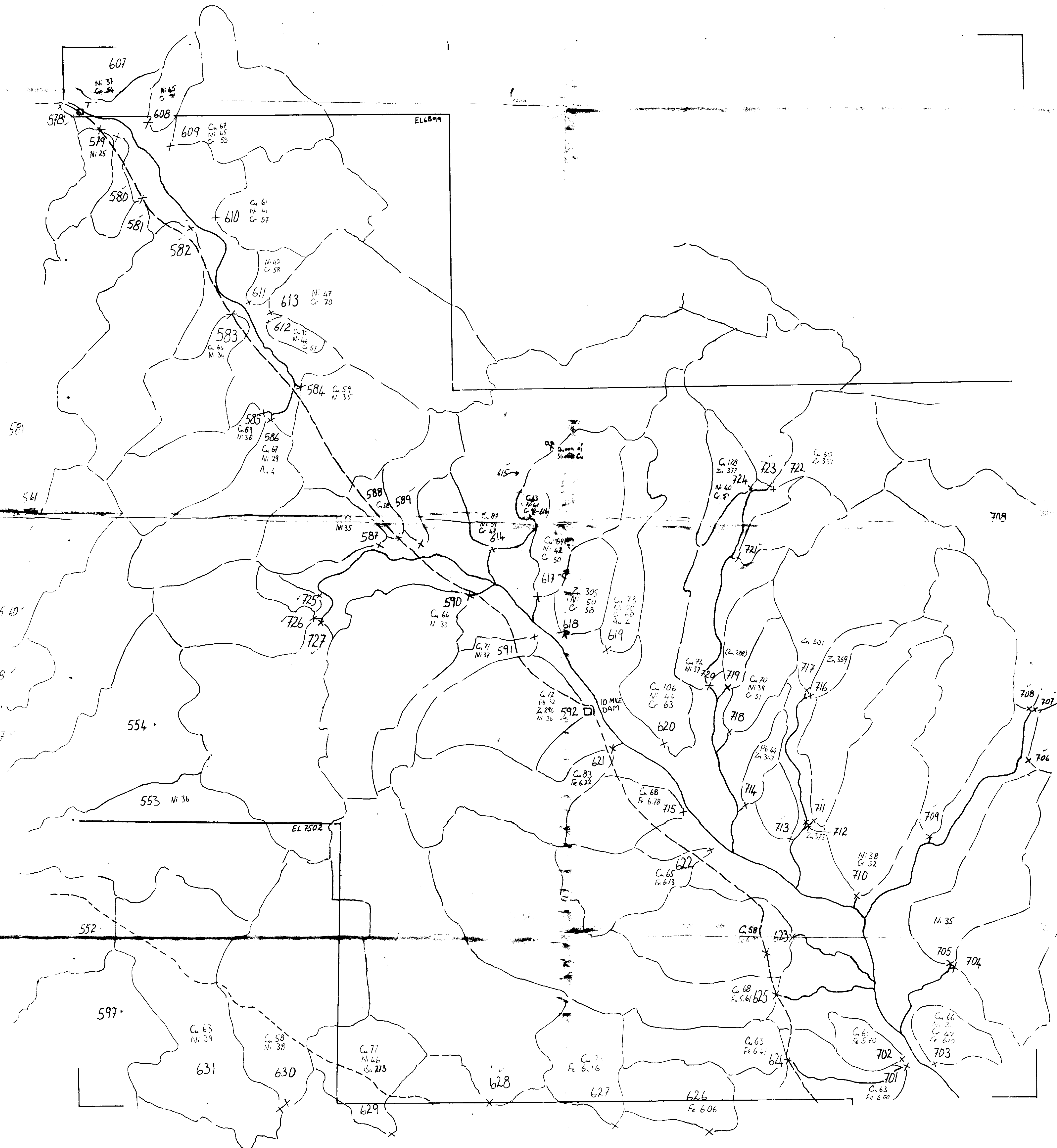
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