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ANNUAL REPORT
1/12/86 - 1/12/87

WILSON RIVER

Exploration Licence 24/85

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20th November, 1987

REPORT ON WILSON RIVERby N. Davis (B.Sc.)1. Introduction

Callina N.L. has an 80% interest in E.L. 24/85 which is located north of Rosebery, Tasmania. The Licence covers 22 square kilometres and includes deposits formerly worked for alluvial gold and osmiridium. Callina commenced exploration work during the 1985/86 season and results were sufficiently encouraging to warrant further drilling and bulk sampling during 1986/87. This report covers results of that work.

2. Licence Tenure

M. G. Creasy is the registered proprietor of Exploration Licence 24/85 in the State of Tasmania under a joint venture agreement with Callina N.L. wherein Creasy holds a 20 percent interest in the licence and Callina N.L. hold an 80 percent interest. The Licence is current to the 1st December, 1987 and covers an area of 22 square kilometres.

3. Previous Work

3.1 Early 1900s

The area was extensively prospected during the early 1900's and numerous prospecting pits are scattered throughout the licence area. The location of major pits is shown in figure 1 and are numbered in figure 3 to provide easy reference. Table 1 summarizes the details of the major pits shown in figure 3. Small pits (1m x 0.5m x 0.5m) are quite common and generally occur in the finer grained deposits such as Qm.

The majority of workings occur around the creeks in the area mapped.

Lippy Jane/Three Mile Creek

The south-eastern bank of this creek is cut by trenches and water races up to 7m above the present level of the creek. The trenches are up to 3m deep and vary in width up to 5m wide. The upper 400m of the eastern creek bank has been very heavily worked.

Another area of major workings occurs at the top of the ridge to the north-west of Three Mile Creek. A large trench 15m long, 4m wide and up to 3m deep has been dug through a red gravelly clay just north of the Tbg unit marked on the north-west corner of figure 1. A few smaller trenches are also present.

Riley Creek

This creek has been extensively worked also. The entire area marked as Qra (figure 1) along the creek has been intensively prospected and in places the creek still flows through log-lined races. Discard piles, up to 1.5m high, of pebble to cobble sized material occur along side the stream. Upstream from both of the springs that feed the creek, large trenches continue upslope past pit 3 and pit 11 respectively (figure 3). The trenches close to pit 3 are generally less than 1m deep and fan out upslope. The other trenches continue for 300m past pit 11 and are up to 2.5m deep and 5m wide.

Fowler Creek

There are numerous small trenches at the head of the creek but no evidence of workings can be seen downstream.

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Trinder Creek

There are a number of small pits in the headwaters of the creek and also scattered pits along the banks, downstream until the junction with Fowler Creek. The creek to this point is heavily overgrown so it is not possible to determine the full extent of early workings. There are many workings from the junction with Fowler Creek to the junction with Riley Creek. At the Riley Creek junction there are numerous trenches in the alluvial flats and also upslope into the glacial deposits as shown by pits 1 and 2 (figure 3).

3.2 Work Completed 1985/86

Nine costeans were dug using an excavator (capacity: 1 cubic metre, reach: 6 metres). Sites were selected to test both creek-beds and slope materials (figure 4). Where possible samples of approximately 0.5 cubic metres were taken at one metre vertical intervals. In creek-beds, depth to weathered bedrock was found to vary from 2 to more than 5 metres. On slope sites bedrock was not reached using the excavator but subsequent tests using a power auger and portable percussion drill showed that depths ranged from 7.5 metres on the lower slopes, to 14.5 metres at the top of the spur dividing LIPPY JANE and RILEY'S CREEKS. Surface hardcap and loose pisolitic gravel range in depth from 0.75 to 2.0 metres.

A mobile (wet gravity) concentrator was used to process bulk samples on site.

Some difficulty was experienced in dispersing sandy clays which tended to "ball" in the trommel. Also coarse grained osmiridium has a tendency to hang in the plant causing contamination of subsequent samples. Only a minor proportion of the available chromite was extracted during bulk sampling as the small sampling jig was adjusted principally to extract gold and osmiridium metal. The total heavy mineral fraction (greater than 3.9 s.g.) is estimated to have varied from 10% to 20% of bulk materials. In lateritic gravels this proportion of H.M.F. is probably higher and crushing of oversize would increase the proportion of fines recovered. Thirty-six heavy mineral concentrates, each weighing about 5 kgs., were returned to Perth for analysis.

All visible gold and osmiridium metal was removed from concentrates by careful hand panning.

The heavy mineral concentrates were then agitated and washed through a 75 micron sieve. Fines so produced were dried prior to weighing and prepared for mineralogical and chemical analysis. Dried and deslimed concentrates were split at 500 microns producing coarse and fine sand size fractions. These were magnetically separated into high, medium and low magnetic products.

007

Size and magnetic products were sub-sampled (200g) and analysed for platinum group elements (Pt, Pd, Rh, Ru, Os, Ir), gold and silver. Thirty of these sub-samples were also submitted for assay of chrome-iron ratios. Mineralogical examination of rock samples and composite concentrates of heavy minerals was undertaken by means of optical and scanning electron microscopes.

3.3 Summary Of Results (1985-86)

1. Colloidal gold particles (approximately 2 x 2 microns) were abundant in all slime fractions (less than 75 microns) optically examined. The largest particle observed under the scanning electron microscope was 6 x 5 microns. Particles of this size would not be visible to the naked eye and concentration by jigging is not likely to have occurred.

Gold assays of 30 slime fractions washed from concentrates range from a low of 0.03 ppm to a high of 9.63 ppm with an average of 1.08 ppm.

2. The quantity of osmiridium metal recovered from bulk samples ranged from trace amounts to 0.42g per cubic metre. Samples taken in alluvial workings at RILEY'S CREEK contained the most metal including grains up to 2mm x 2mm in size. More significant perhaps were values up to 0.22g per cubic metre recovered from the extensive detrital unit, upslope of creek workings.
3. Chrome/iron ratios indicate consistently high chrome values in the bulk of chromite present (mean value = 57.16% of 12 moderately magnetic fractions). Composition of chromite determined by electron microprobe analysis of 40 randomly selected grains in the fine sand size, moderately magnetic product, averaged 69.70% Cr₂O₃. The moderately magnetic product constitutes 47.8% of the total heavy mineral fraction sampled.
4. The low magnetic product represents approximately 25% of the heavy mineral concentrates sampled. While high P.G.E. values occur sporadically in the medium magnetic product, such values are consistently high in the low magnetic product, especially in the finer sand fractions (-500um).

Iridium values in the non-magnetic fine sand range from a mean of 2.85 ppm (6 samples: range 1.30 ppm to 5.70 ppm) at LIPPY JANE Site 1, to a mean of 5.28 ppm (7 samples: range 1.60 ppm to 13.0 ppm) at LIPPY JANE Site 2. At LIPPY JANE Site 3, where depth of profile was tested to 7.5 metres, iridium recorded a mean of 10.75 ppm (8 samples: range 1.00 ppm to 35.0ppm). Iridium values at the RILEY'S CREEK sites (1.2 km south) are higher with a mean of 14.05 ppm (10 samples: range 3.1 ppm to 28.0 ppm). Sixteen comparative assays of Iridium : Osmium indicate that these metals occur within the chromite approximately in a one to one ratio. Ruthenium values in the low magnetics ranged from a mean of 1.17 ppm in the 21 LIPPY JANE samples to an average of 2.62 ppm in the 10 RILEY'S CREEK samples. Similarly, platinum averages ranged from 0.45 ppm to 1.07 ppm.

Total platinoids contained in the low magnetic product of concentrates range therefore from approximately 7.5 ppm in the LIPPY JANE samples to 32 ppm in the samples from RILEY'S CREEK. When related to recorded bulk sample mass these values indicate the likelihood of a small but consistent osmiridium metal by-product, which, while possibly not economically viable in its own right, may be a valuable addition to the production of chromite.

Probe analysis has indicated that iridium/osmium values are related to osmiridium metal and discrete inclusions of these metals within chromite grains.

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4. 1986-87 Works Programme

Sampling during the 1986/87 season was confined to Area A (Figure 5). Exploration grids have been marked out over all areas as shown in Figures 4 and 5. Work carried out on the Area A grid included wireline hollow core auger drilling at 50 metre intervals, processing of 2m³ bulk surface samples through a wet gravity plant and geological mapping.

4.1 Exploration Grid

The grid provides access to drill sites along flanks and top of the ridge in Area A as well as sites along the top of the ridge. The lateral extent and depth of the deposit (Tbg) was determined by drilling along these lines. The lines were cleared using an excavator to minimize environmental impact and to avoid disturbing surface samples.

4.2 Bulk Sampling

Thirty-five sites were selected for bulk sampling spaced at approximately one hundred metre intervals (figure 6). Bulk samples of the top two metres of the profile were obtained at thirty of the sites. (Three sites east of 9550E had hardcap at the surface and no samples were obtained.)

The bulk samples were processed in wet gravity plant (trommel/jigs). Material less than 3mm in size was fed over a large triple hutch Inverell jig. Oversize material was conveyed away to a stockpile. The hutches of the jig were set so that all the very heavy particles (Os/Ir, Au) as well as some chromite and iron oxides were trapped in the first hutch. The second and third hutch products, chiefly iron and chrome oxides, combined as a sand concentrate product. Sub-samples of the jig tailings and the oversize material were taken as well. Relative volumes of oversize material and the hutch products were estimated and are summarized in Appendix 3.

A 50 kg sub-sample from hutch products was taken from each concentrate for further analysis.

4.3 Auger Drilling

Drilling by hollow-cored auger was conducted at fifty metre intervals along the grid in Area A, principally over the gravel units (Tbg, Trg Figure 1). Sections of (900mm) core were recovered using wireline equipment. Due to the slow rate of core recovery, initially only one sample was taken for every two metres of hole drilled. It was decided that this gave insufficient sample for further analysis so continuous sampling occurred in holes subsequent to hole four. Core recovery was generally good although several water filled cavities were encountered and no samples were recovered from these intervals.

A hardcap layer was encountered in most holes, particularly those close to the top of the ridge. Holes on the flanks of the ridge generally missed the hardcap layer although floaters were still occasionally encountered downslope.

5. Results

5.1 Geology

Geological interest centres on an ultramafic intrusive complex of dunite-harzburgite which occurs topographically as a long, north-south trending ridge ("Serpentinite Ridge"). Records indicate that coarse and fine grained osmiridium and gold were formerly mined from shallow adits excavated in fault related shear zones at several locations within the lease. However, most former mining activity centred on an extensive surficial detrital unit which is best preserved on west facing slopes of SERPENTINITE RIDGE. A series of sub-parallel, west flowing creeks, have incised into this detrital unit and alluvial workings occur mainly along them.

The detrital unit appears to have originated as a deep soil cover developed over the ultramafics. This soil was subsequently lateritised, eroded from the ridge crest and redeposited along the lower flanks. An area of lateritic hardcap is preserved in the catchment of RILEY'S CREEK (Area D), and western flanks (Areas A & C).

The area was mapped at a local scale of 1:5000 to cover areas A, B, C and D (figure 1). Reconnaissance of the surrounding area was carried out to determine if any other sizeable tertiary gravel units occurred on the lease. Only small shallow patches were found.

The geology of the local area generally consists of Eocambrian sediments to the south-west and serpentinitized dunite to the north-east separated by a steeply dipping fault. Overlying these units are tertiary gravels and quaternary deposits.

Exaggerated vertical profiles for all area A lines have been compiled from the drilling logs (Appendix 4) and are shown in figure 8A - 8I.

Description of the general profile is included under the description of the black ironstone gravels (Tbg).

ROCK UNIT DESCRIPTION

Quaternary Units

5.1.1 Qg Glacial Deposits

These deposits of conglomerate, sand and silt are common in region surrounding the mapped area and part of a large glacial plain has been included in the south-eastern corner of the mapped area. The deposits generally consist of rounded pebble to boulder grade clasts of conglomerate, quartzite and volcanic rocks within a matrix of sand size quartz particles.

Large erratic quartzite boulders of conglomerate and rarely volcanic rocks occasionally sit on top of the finer grained deposits and rarely on the edge of the lateritic gravels. They range in size up to 2.5m in diameter. Small patches of rounded quartzite cobbles and pebbles occur throughout the low lying sections of the area south of Trinder Creek, particularly in small tributaries of the creek.

No sedimentary structures or bedding was observed in any deposit.

5.1.2 Qgg - Finer Glacial Deposits

This unit is very similar to Qg but no pebbles or cobbles are found. It occurs on the southern flanks of the ridge consisting of Tbg and Trg. Minor gravels occur through the unit.

5.1.3. Qm - Marsh Deposits

These deposits are dark grey in colour probably due to high organic content. They are very fine grained and range up to silt sized particles although coarse sand grade angular quartz fragments are occasional inclusions. This unit tends to occur in shallow depressions over the Tertiary gravel units (Tbg).

5.1.4. Qra - Alluvium

River gravel, reworked glacial deposits and material extensively worked by prospectors has been mapped as Qra.

5.1.5 Qc - Colluvium

Red-brown unconsolidated fine grained colluvium. Minor gravels from Tbg and Trg occur throughout the units but are more abundant in areas closer to these units. Fragments of weathered Csd also occur. The maximum known depth of the colluvium is three metres and it grades into the green clay overlying the serpentinite.

Tertiary Units

5.1.6 Tbg Black Ironstone Gravels

These dark coloured ironstone gravels principally occur on top of two ridges either side of Riley Creek. A smaller ridge occurs to the north and smaller patches occur throughout the mapped and surrounding area. This unit has a high relief and overlies both Ecc and Csd units. The unit generally consists of 1-2 metres of unconsolidated gravels overlying 1-2 metres of ferruginous hardcap which in turn overlies a yellow brown clay.

The gravels consist of sub-rounded laterite nodules which are generally dark brown to black in colour and range in size from 2 to 20mm. A fine to medium grained sand size matrix comprises approximately 10% by volume of the unconsolidated gravels. Cobble to boulder size pieces of hardcap occur throughout the gravels.

The hardcap layer is comprised of lateritic gravels and ferruginous cement up to 2.5m thick. North of Riley Creek the hardcap is less than 1m thick generally but is up to 2.5m thick at the eastern edge of the ridge to the south of Riley Creek. Where it outcrops on the flanks of the deposit, generally at a break in slope, it forms boulders up to 1 metre in diameter.

The broken surface of the hardcap is mottled orange-brown and black and shows haematite and other iron oxides. The ironstone gravels are irregularly shaped and up to 10mm in size. They have a shiny metallic lustre. The ferruginous cement at times forms discrete layers of variable thickness up to 10mm thick. Small cavities (<2mm) of irregular shape are common throughout the hardcap.

Underlying the hardcap is a very fine grained yellow-brown clay containing fine sand size particles of chromite and iron oxides. The clay is up to fourteen metres thick and grades into green clay where it overlies serpentinite. The clay is generally absent where the unit overlies the Crimson Creek formation (Ecc). That is under the south-west of the unit near the junction of Three Mile and Trinder Creeks.

Towards the base of hole 29 (10,000N, 9900E) and in a costean near grid reference 10150N, 9850E a thin black layer was encountered. It was approximately 100mm thick and 1 metre wide in the costean and 75mm thick in the drill hole. It consisted of very fine grained, dark coloured, high specific gravity particles and was of a clayey nature.

5.1.7 Trg - Red Ironstone Gravels

This unit is similar in lithology to Tbg but does not contain hardcap or cemented gravel boulders. It also contains a greater percentage of sand size matrix and is of a more reddish colour. Up to 50% of the unit consists of matrix material less than 1mm in size. The unit occurs on the flanks of Tbg.

Eocambrian Units

5.1.8 Ecc - Crimson Creek Formation

The Crimson Creek Formation was defined by Taylor (1954) as that succession of rocks dominated by compact mudstone with volcanoclastic and lava horizons which occur near the Owen Meredith mine, in Crimson Creek, along the Pieman River to the east, then along the Huskisson River to a contact with ultramafic rocks at CP706753. Brown (1984) considered the first volcanoclastic lithic wacke, typical of the Crimson Creek Formation to outcrop on the northern bank of the Pieman River opposite the mouth of Success Creek. The formation is then considered to continue east along the Pieman River to a contact with ultramafic rocks at CP716738. This section has shown that instead of a dominance of compact mudstone, the wacke tuff:siltstone-mudstone ratio is at least 60:40 (Brown 1984).

The section of Ecc mapped of figure 1 contains compact laminated siltstone and mudstone, volcanoclastic lithic wacke and tholeiitic basalt. Outcrop continues up Three Mile Creek to just short of a contact with Csd and in Trinder Creek to just short of Riley Creek where it is overlain by glacial and alluvial deposits. Outcrop on the ridges to the west of Three Mile Creek and south of Trinder Creek is rare.

The dominant outcrop in the area mapped consists of a buff green laminated siltstone. It is well sorted, fine grained and no other sedimentary structures were observed. The mudstone is dark grey to black in colour and laminated. Iron pyrites up to 0.5mm in size were encountered in some fractures in the rock, generally perpendicular to the bedding. The lithic wacke is light brown in colour and shows turbidite characteristics. It contains sections of well sorted mudstone in irregular contact with poorly sorted siltstone containing sand grade particles of feldspar, quartz and mica in a silt grade matrix. The basalt is grey-green in colour, fine grained and porphyritic with small phenocrysts of plagioclase. No flow structures were noted and the contact with the sedimentary beds was not observed but the flow was less than three metres in width.

Ultramafic Rocks

5.1.9 Csd - Serpentinized Dunite

Brown (1984) recognized three ultramafic rock successions in his study of DUNDAS-MT. LINDSAY - MT. RAMSAY AREA. Two of these occur within the mapped and surrounding areas. They are -

1. A high magnesium layered dunite-harzburgite succession, which contains a tectonic fabric formed by plastic deformation of cumulate layers, and
2. A layered pyroxenite-dunite succession which is dominated by orthopyroxene.

The ultramafic comprised of well layered dunite, dunite with orthopyroxene and harzburgite has been termed the Layered Dunite-Harzburgite (LDH) succession (Brown 1984). He described the succession as "relatively uniform in composition" and that it "contains a foliation parallel to layering defined by primary mineral alignment of orthopyroxene and chrome spinel grains, as well as later flattening and elongation of olivine grains". The Layered Pyroxinite-Dunite (LPD) succession is also well layered but no harzburgite is found and the succession is dominated by orthopyroxenite. The main rock types are orthopyroxenite, olivine orthopyroxenite and dunite. The LPD succession occurs to the east of the mapped area at Riley Knob (CP698764).

The unit mapped as Csd (figure 1) belongs to the LDH succession. It is the southern extension of a strike ridge known as Serpentine Ridge. The interlayered dunite, pyroxene bearing dunite and harzburgite of the ridge have been altered to serpentinite but generally layering, chrome spinel stringers and foliations can still be observed in outcrop.

The layers are generally thin with a maximum thickness of 30mm. The chrome-spinel stringers observed were less than 3mm thick. The boundaries between mineral layers are sharp and there appears to be little, if any, variation in crystal size between layers. The crystals, where visible, are sub-hedral and range in size up to 3mm. Chromite specks are visible in some dunite layers and range up to 2mm in size.

5.2 Bulk Sampling Programme

(Please refer to letter to Department of Mines, Hobart dated 26th November, 1987.)

5.3 Auger Drilling Programme

(Please refer to letter to Department of Mines, Hobart dated 26th November, 1987.)

6. Conclusions and Recommendations

Conclusions

The work carried out to date has indicated a potentially economic resource of alluvial chromite with minor gold and osmiridium metal.

The evaluation of data compiled during field season 1986/87 will now be carefully assessed, with the objective of giving a definitive grade/reserve figure for Area A. The picture is complicated by the metallurgical and marketing aspects of the deposit.

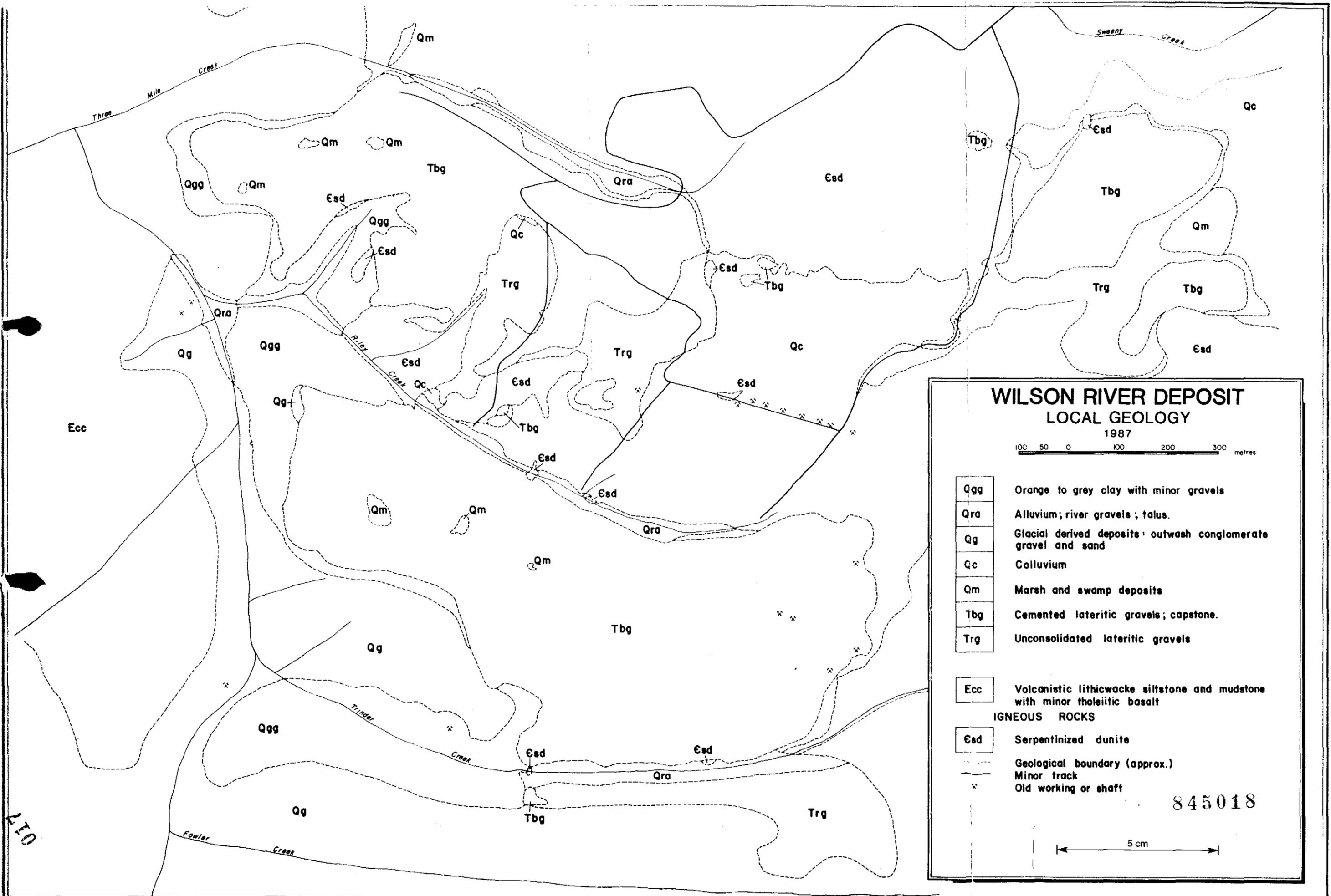
Certainly the data to date warrants further testing of the areas designated in the report.

Recommendations

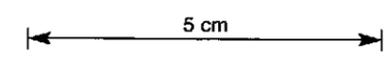
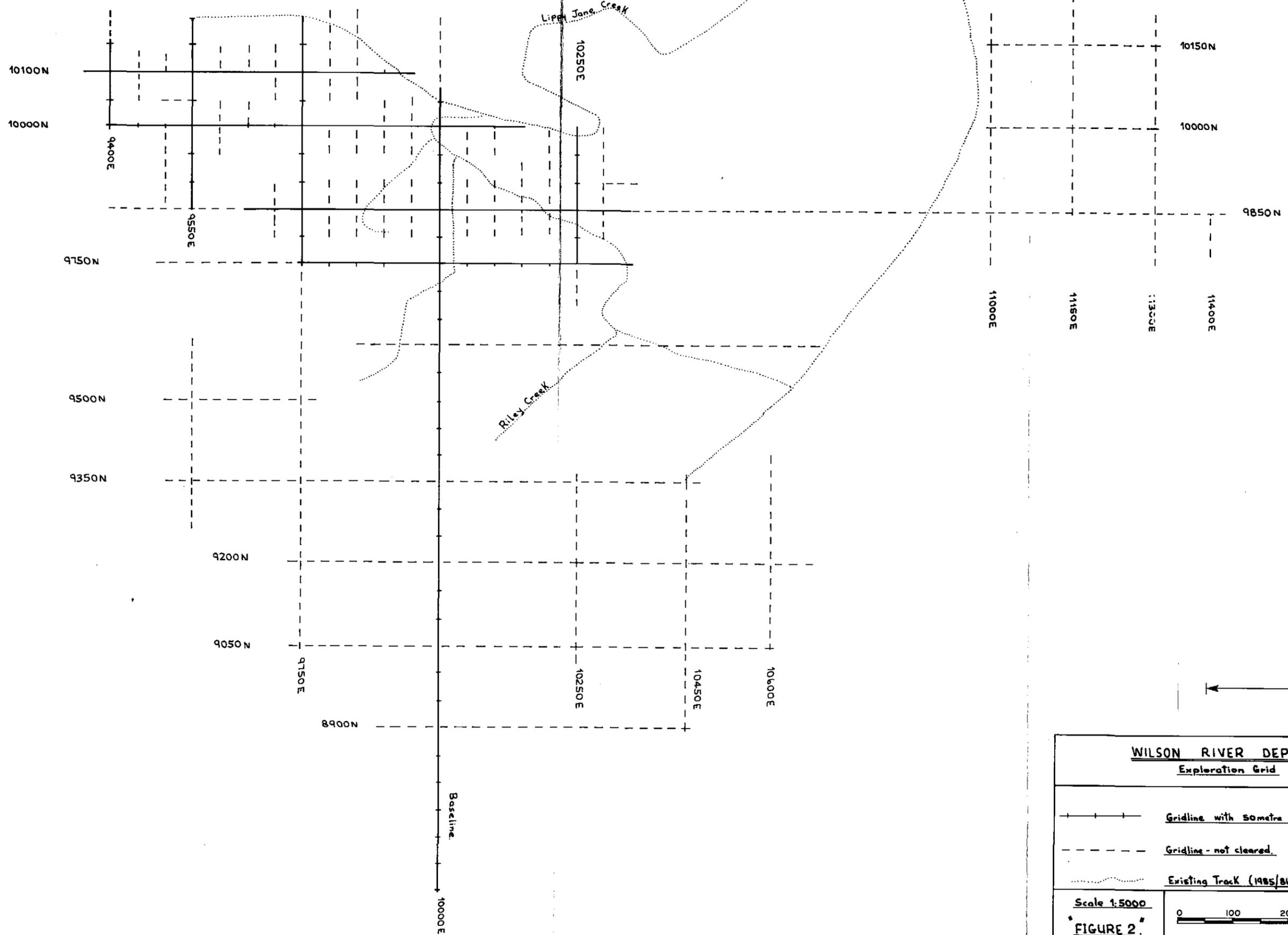
1. The data (compiled at the direction of Robertson Research, Sydney) should now be analysed by independent experts, with a view to providing definitive answers to the following questions:
 - (a) What are the grade and reserve figures for Area A?
 - (b) What (if required) is the recommended mining method?
 - (c) What (if required) is the recommended extraction process?
 - (d) What environment programme is recommended?
 - (e) What forward marketing arrangements are recommended?
2. Given the viability of the project (subject to 1a - e above) that an investigation be commenced into the feasibility of locally producing a ferro-chrome product. This will require a discussion with the Tasmanian Government, with at least one (overseas?) steel manufacturer.

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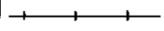
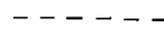
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| f | line 9750N | |
| g | line 90N | |
| h | line 10000N | |
| i | line 10100N | |



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WILSON RIVER DEPOSIT
Exploration Grid

-  Gridline with 50metre interval.
-  Gridline - not cleared.
-  Existing Track (1985/86 season)

Scale 1:5000

FIGURE 2



810



845020

LOCATION OF PREVIOUS WORKINGS

REFER TO TABLE I

FIGURE 3

TABLE 1 : DESCRIPTION OF OLD PROSPECTING PITS

1. Trench 30m x 1m x 1m generally orientated N-S but trench is not straight. Through alluvial cobbles.
2. 1.5m x 1m x 2m deep trench orientation N-S.
3. 1.5m x 1m x 2m deep in the unconsolidated red lateritic gravels (Trg). Orientation north-south.
4. Caved in trench. Previous dimensions believed to be similar to hole 5-11.
5. 2m x 1m x 2m trench orientated at 60°
6. " " 60°
7. " " 60°
8. " " 36°
9. " " 50°
10. " " 50°
11. " " Orientation not determined
12. Caved in shaft.
13. 2m x 1m x 2m test pit orientated at 0°
14. 2m x 1m x 2m test pit orientated at 35°
15. Adit under hardcap. Orientated at 240°. Opening 2m x 1m x 3m deep. Undetermined depth to back of adit. Several smaller (1m x 0.5m x 0.5m deep) diggings down slope (east) into red clay (Qc).
16. 3m long x 1m wide by 2m deep. The adit cuts under the hardcap approx. 1.5m through an orange clay containing irregular sub-rounded laterite nodules, 2.20mm in size
17. Bi-level trench 10m x 1m x 1m with 1m step in middle of trench.
18. 1.5m x 1.5m x 3.5m deep thru reworked glacial deposit consisting of rounded cobbles of quartzite and conglomerate. Orientation approx. 300°. Thru orange clay with minor irregular rock.

021

367500 E

845022

1:5000

N

'AREA D'

| | | | |
|---|---------|----|-------|
| A | Samples | WC | 1-8 |
| B | " | " | 9-15 |
| C | " | " | 16-23 |
| D | " | RC | 1-3 |
| E | " | " | 4 |
| F | " | " | 5-6 |
| G | " | " | 7-8 |
| H | " | " | 9-11 |
| I | " | " | 12 |

LIPPY JANE CREEK

5377 000 N

5377 000 N

'AREA A'

'AREA B'

'AREA C'

CREEK

RILEY

-  TRACK
-  CREEK
-  OLD WORKINGS
-  SAMPLE SITES

5 cm

EL 24/85 LIPPY JANE/RILEY CREEK 1985/86
LOCATIONS OF COSTEANS AND SAMPLE SITES

367 500E

FIGURE 4

022

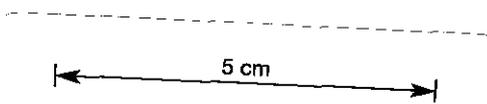
SERPENTINITE
RIDGE

AREA A

AREA D

AREA B

AREA C



" WILSON RIVER DEPOSIT "

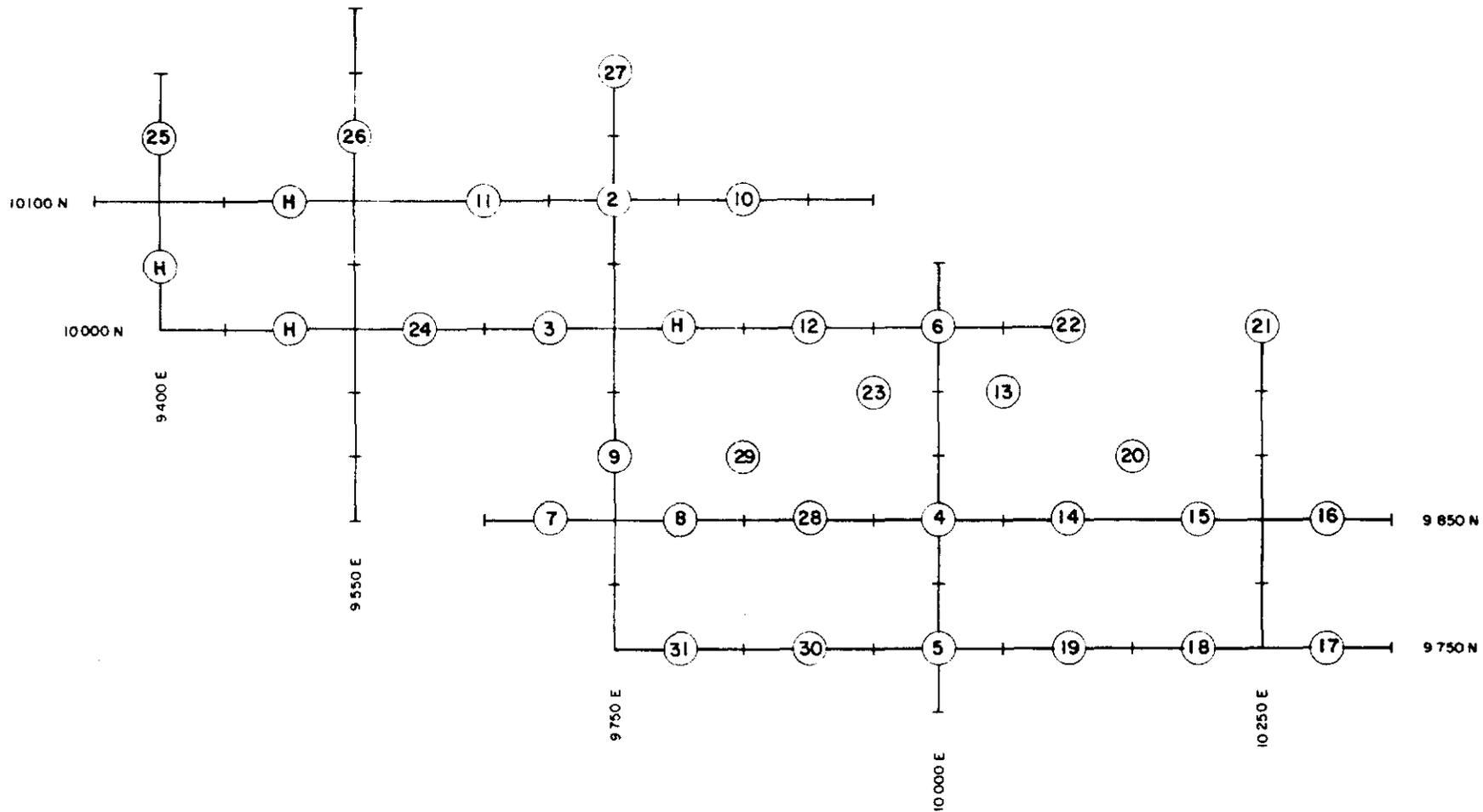
- Gridline with 50m interval
- Area Boundary (Imaginary)

843023

| | |
|---|--|
| C A L L I N A N. L. | |
| Area sub-division in relation to gridlines. | |
| Refer to Figure No.1. | |
| H.S. = 1: 8300 | |

Figure 5

023



845024

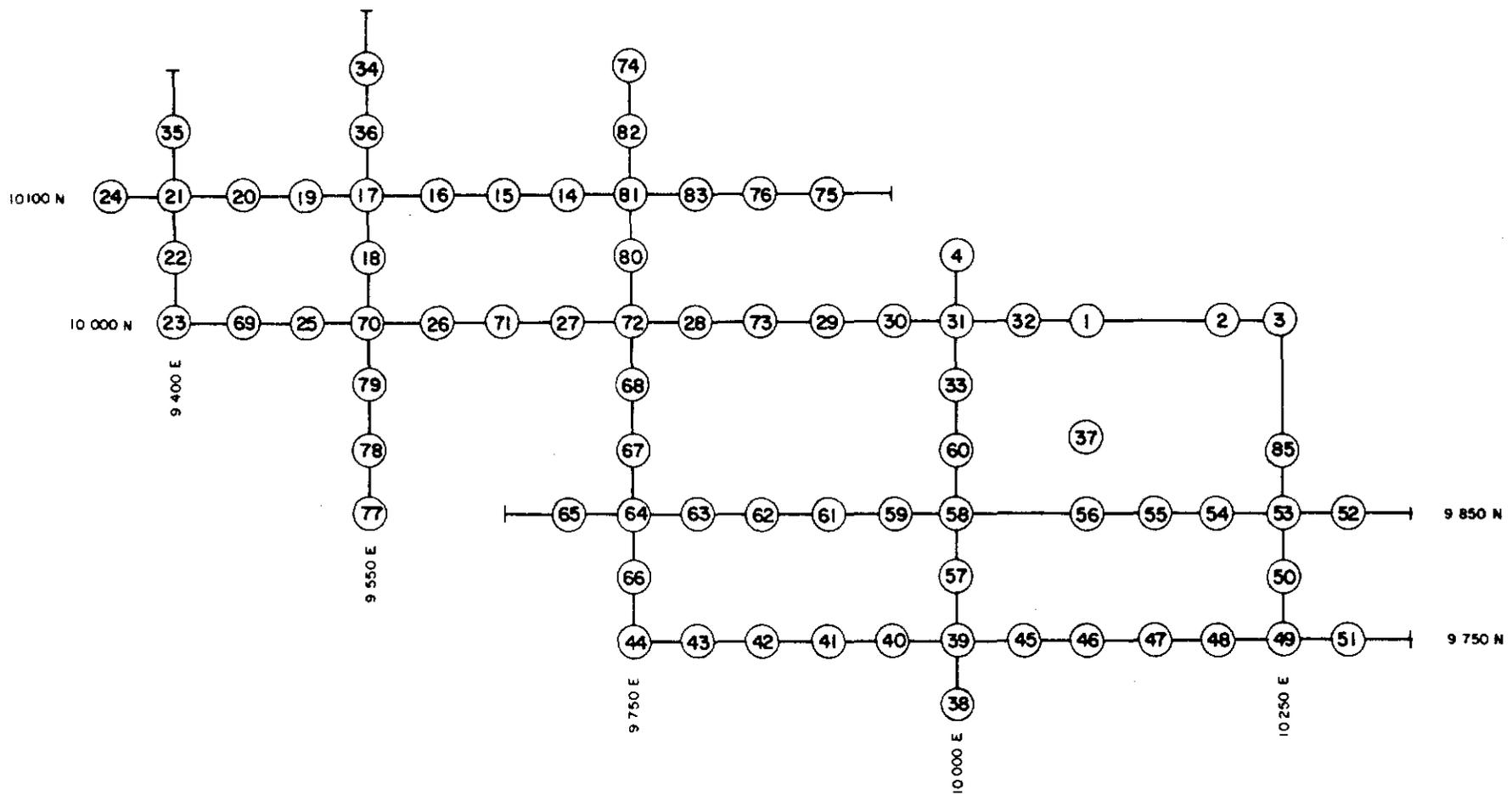
5 cm

H = Hardcap

| | |
|--|--|
| CALLINA N.L. | |
| LOCATION OF BULK SAMPLE SITE AREA A | |
| HS. = 1 : 8 300 | |

Figure 6

024



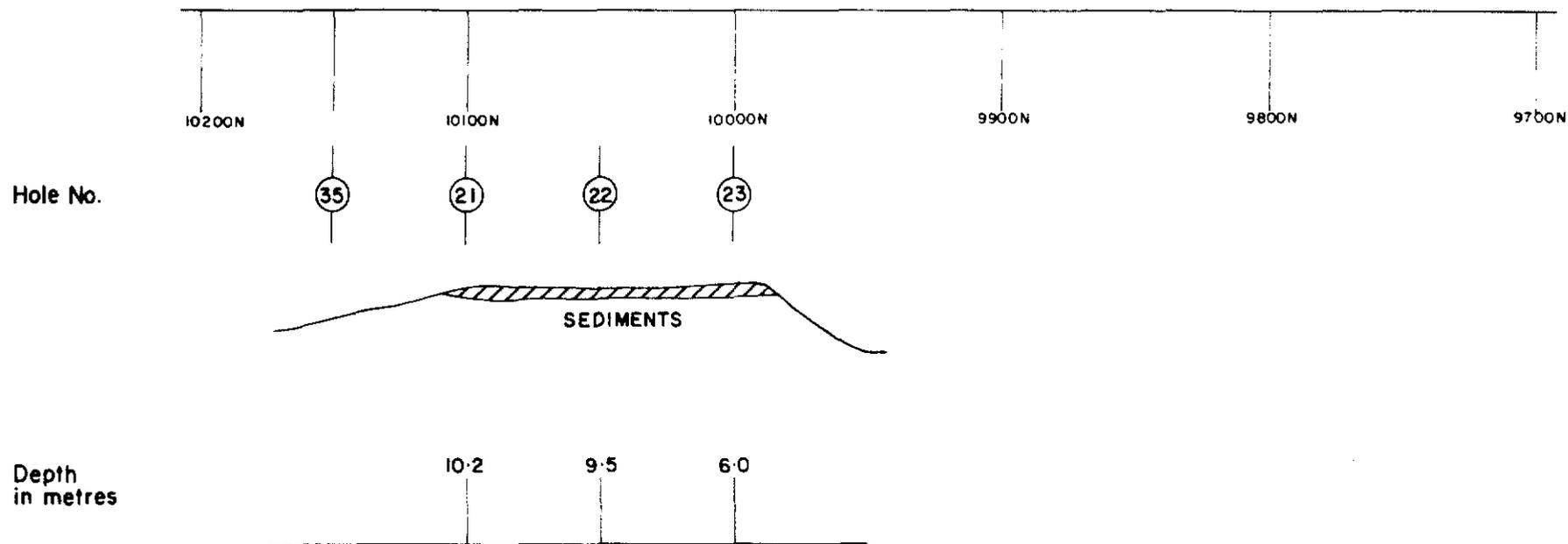
845025

| | |
|--------------------------------------|--|
| CALLINA N. L. | |
| LOCATION OF AUGER DRILL HOLES AREA A | |
| H.S. = 1:8300 | |

5 cm

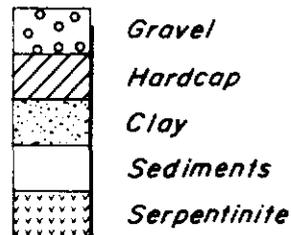
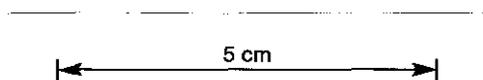
Figure 7

025



Hole No.

Depth
in metres



| | |
|---------------------------------|----------------|
| C A L L I N A N. L. | |
| Line 9400 E Vertical Profile | |
| H.S. = 1 : 2500 | V.S. = 1 : 500 |

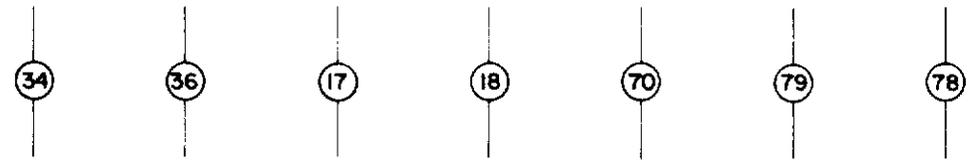
845026

Figure 8A

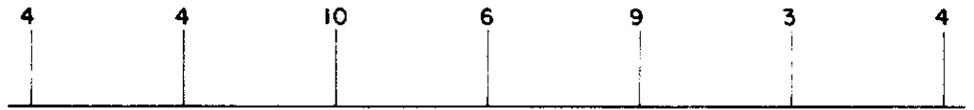
026



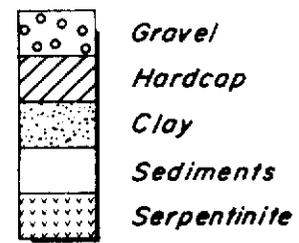
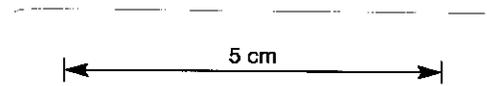
Hole No.



Depth in metres



845027

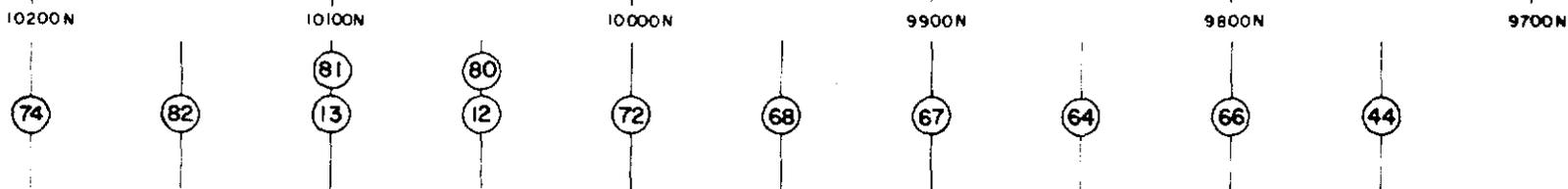


| | |
|--|---------------|
| C A L L I N A N L. | |
| Line 9550 E Vertical Profile | |
| H.S. = 1: 2500 | V.S. = 1: 500 |

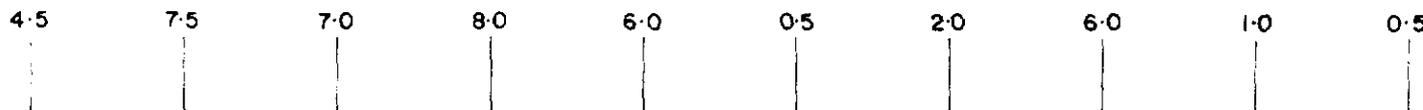
Figure 8B

027

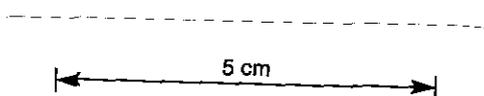
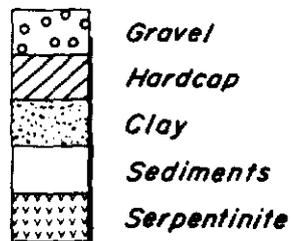
Hole No.



Depth
in metres

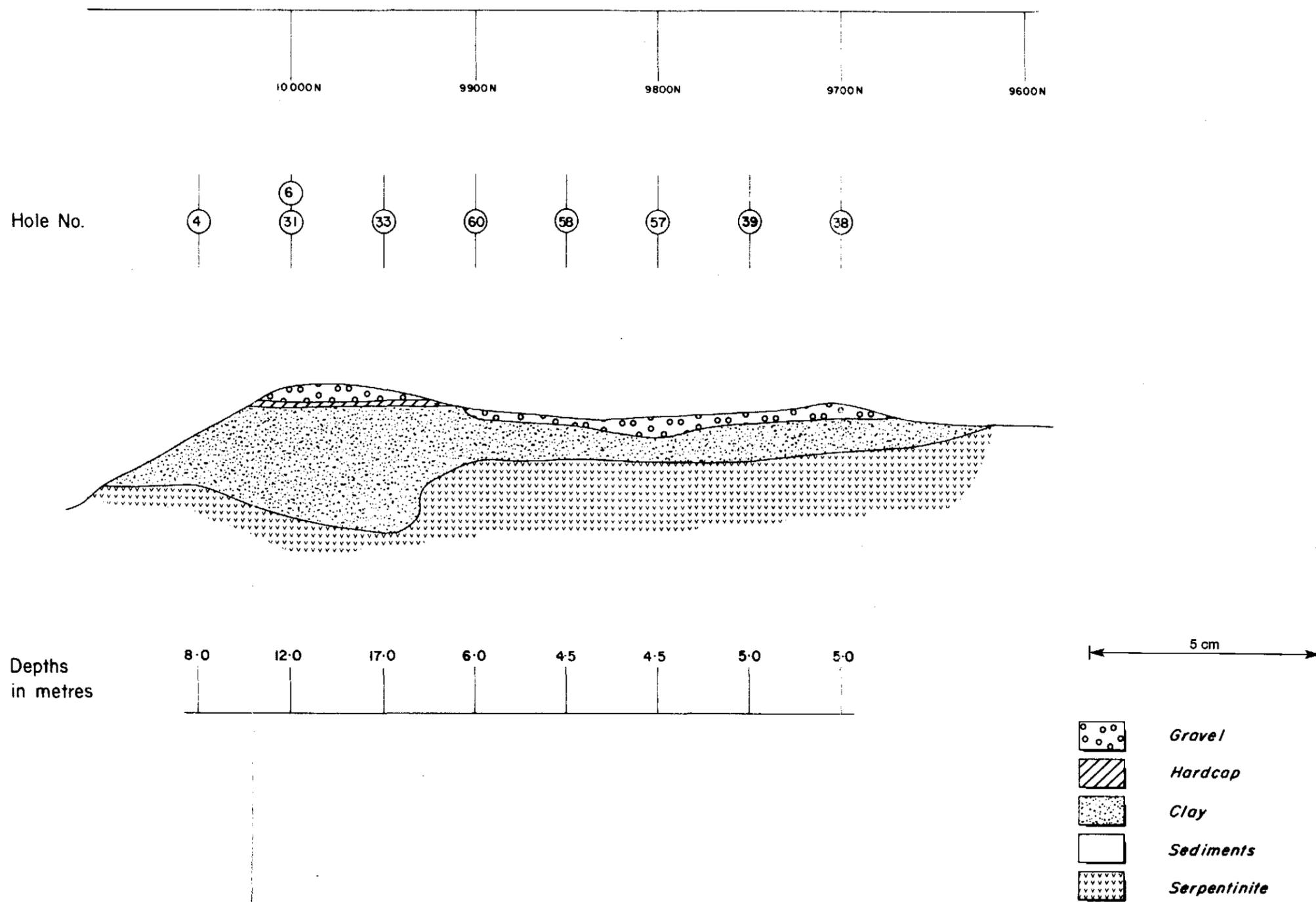


845028



| | |
|---------------------------------|----------------|
| C A L L I N A N. L. | |
| Line 9750 E Vertical Profile | |
| H.S. = 1 : 2500 | V.S. = 1 : 500 |

Figure 8C



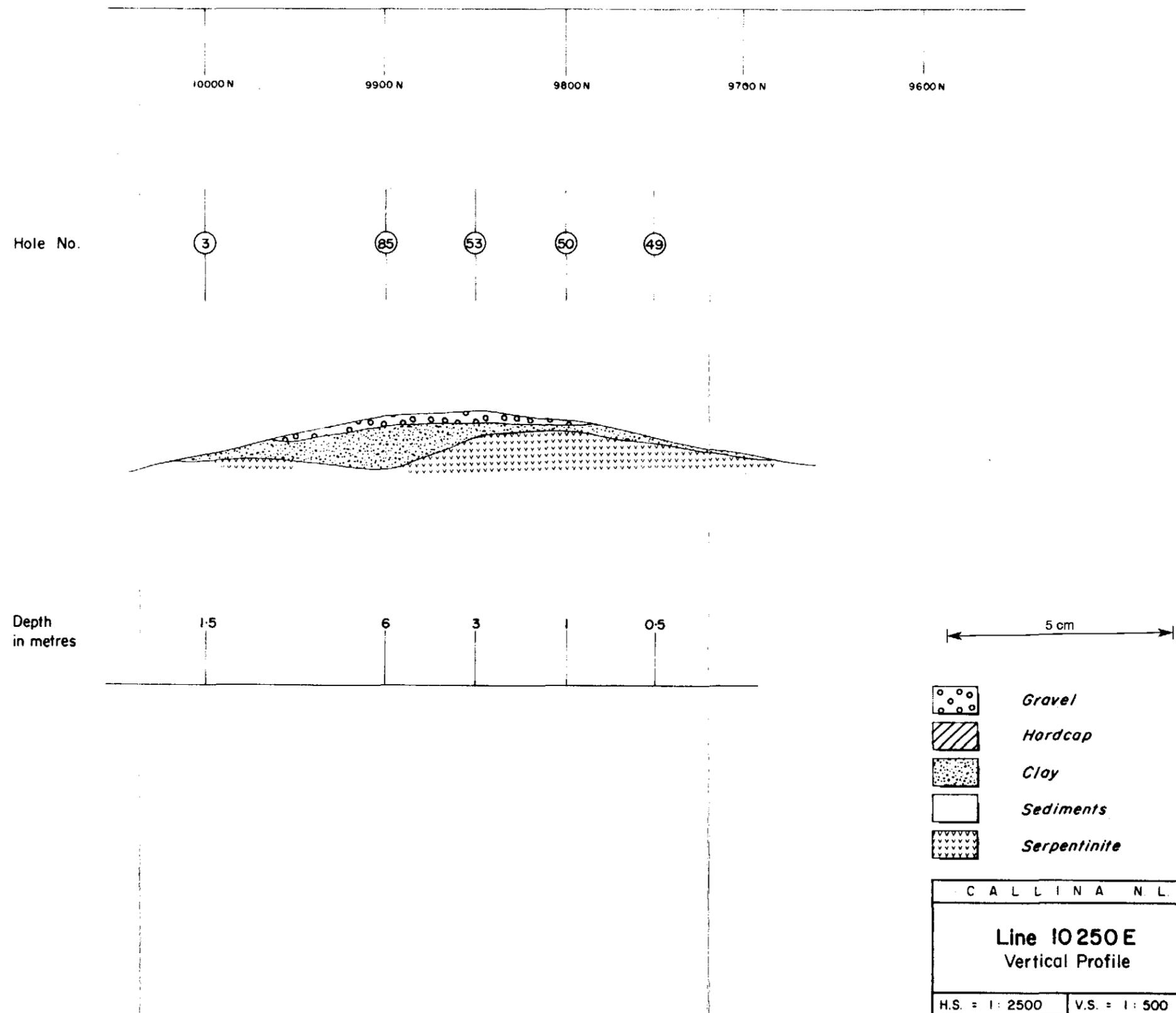
5 cm

- Gravel
- Hardcap
- Clay
- Sediments
- Serpentinite

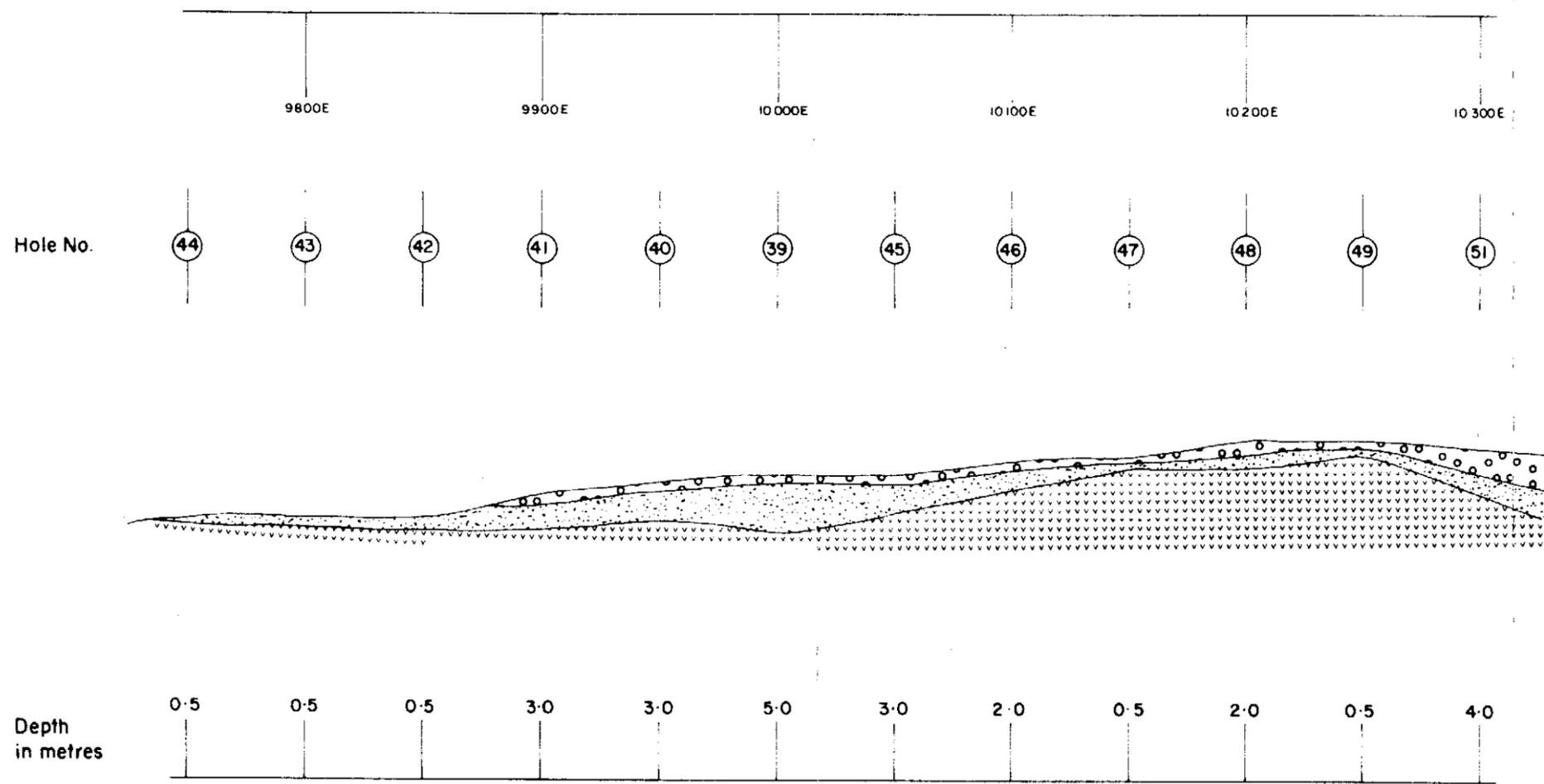
C A L L I N A N L.
Line 10000 E
Vertical Profile
H.S. = 1:2500 | V.S. = 1:500

020

Figure 8D



020



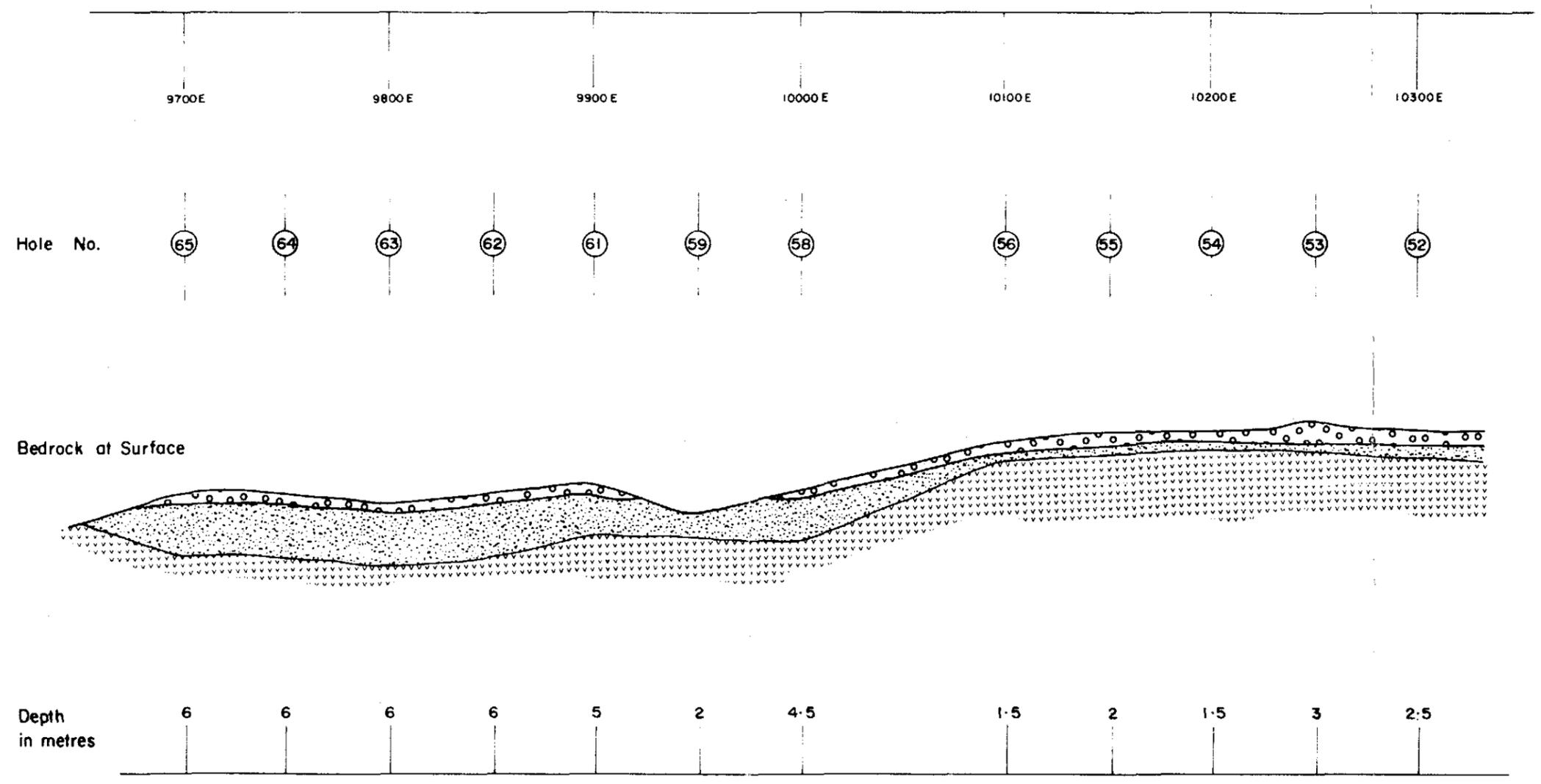
5 cm

-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentinite

| | |
|--------------------|--------------|
| C A L L I N A N L | |
| Line 9 750N | |
| Vertical Profile | |
| H.S. = 1:2500 | V.S. = 1:500 |

Figure 8F

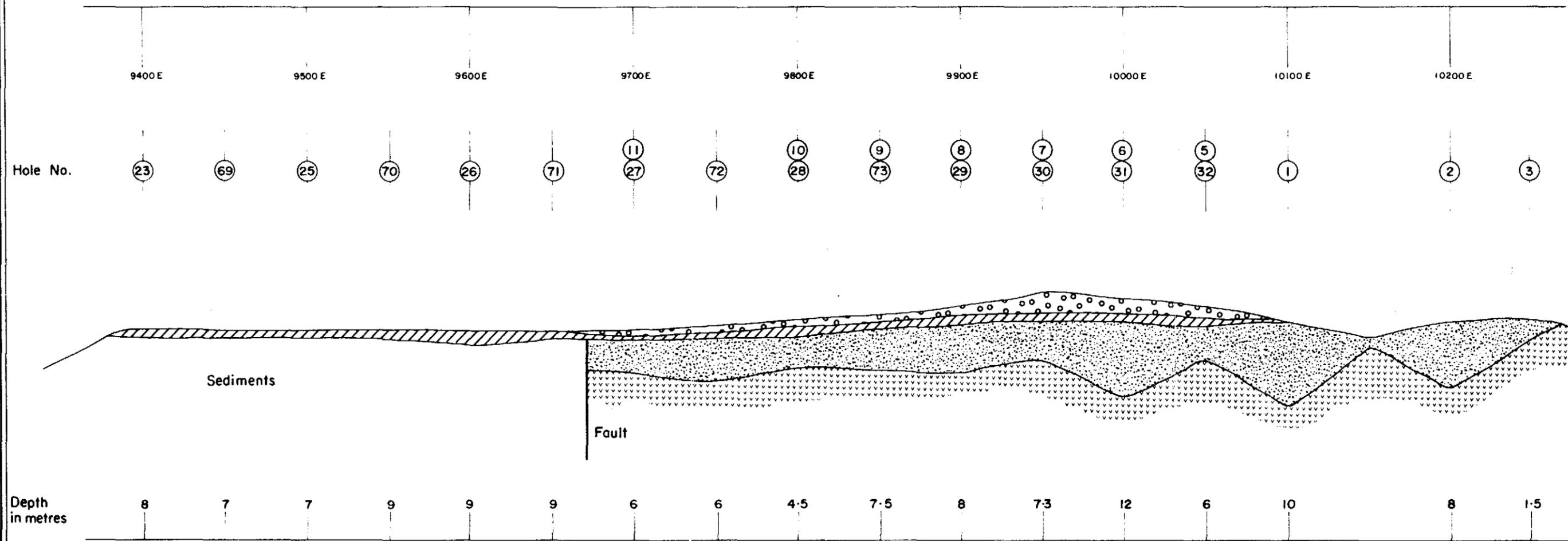
030



-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentine

| | |
|--------------------------------|----------------|
| C A L L I N A N. L. | |
| Line 9850N Vertical Profile | |
| H.S. = 1 : 2500 | V.S. = 1 : 500 |

130



-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentine

C A L L I N A N L

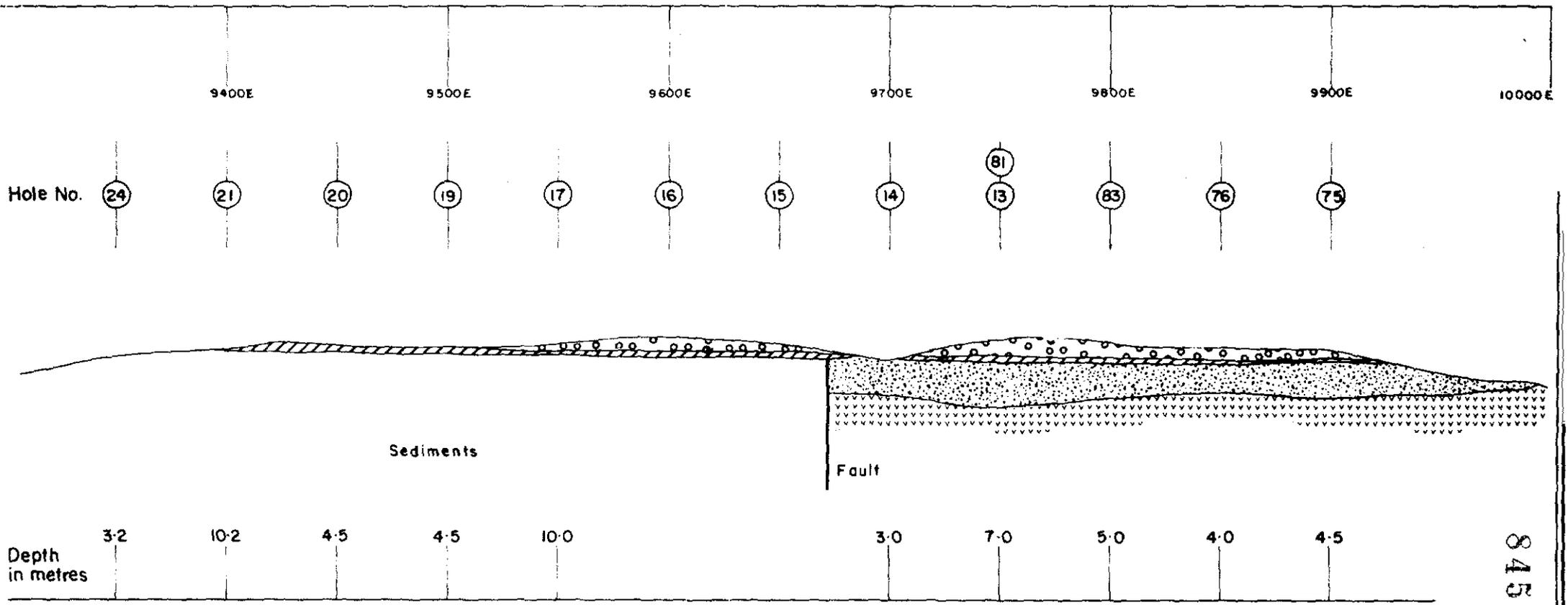
Line 10000 N
Vertical Profile

H.S. = 1 : 2500 V.S. = 1 : 500

5 cm

280

033



845034

5 cm

- Gravel
- Hardcap
- Clay
- Sediments
- Serpentinite

| | |
|------------------|---------------|
| CALLINA N.L. | |
| Line 10 100N | |
| Vertical Profile | |
| H.S. = 1: 2500 | V.S. = 1: 500 |

Figure 81

034

845035

APPENDIX 1

Bulk samples
Specific gravity testing
Methods and results

845036

035

Specific Gravity Testing

| <u>Sample Number</u> | <u>Hutch</u> | <u>Sample Weight (kg)</u> | <u>Sample Volume (l)</u> | <u>S.G.</u> | <u>Comment</u> |
|----------------------|--------------|---------------------------|--------------------------|-------------|-------------------|
| 17 | 2/3 | 30 | 8 | 3.75 | Dry, clean sample |
| 16 | 2/3 | 20 | 9 | 2.22 | Extremely clayey |
| 14 | 2/3 | 28 | 8 | 3.5 | Dry, clean gravel |
| 13 | 2/3 | 31 | 10 | 3.1 | Sample wet |
| 11 | 2/3 | 24 | 10 | 2.4 | Wet & clayey |
| 10 | 2/3 | 23 | 9 | 2.5 | Clayey |
| 29 | 2/3 | 29.5 | 9 | 3.28 | |
| 24 | 1 | 29.5 | 9 | 3.28 | Washed |
| 30 | 1 | 24.5 | 9 | 2.72 | Unwashed |
| 28 | 2/3 | 31.5 | 11 | 2.86 | Clayey & wet |
| 26 | 2/3 | 27.5 | 9.5 | 2.89 | Clean gravel |
| 24 | 2/3 | 31 | 9.5 | 3.26 | Wet, clean gravel |
| 20 | 2/3 | 28 | 7.5 | 3.73 | Dry, clean gravel |

Procedure

An eleven litre container was filled with sample and weighed. Water was then added to the sample until the water overflowed. The container was then re-weighed. The mass of water was determined as the difference between the two weighings and hence the volume of water added was obtained (SG H₂O = 1 kg/l). The volume of the sample in the container was determined as

$$\text{container} - \text{water added} = \text{sample volume}$$

therefore

$$\text{sample S.G.} = \text{sample mass/sample volume}$$

Sample Description

Samples varied in nature from a dry coarse gravel to a wet coarse gravel to wet gravels with a very high clay content.

As can be seen from the table the specific gravity determined varies with the sample type. The clayey samples have a specific gravity of less than 3. Clean gravels which are wet have a specific gravity of between 3 and 3.5 and clean dry gravels have a specific gravity of greater than 3.5

Washing the clay fraction from the sample has the effect of relatively raising the specific gravity. That is the low specific gravity clay fraction is removed from the sample. This is demonstrated by samples 24 and 30 for the number one hutch products. The washed sample has a specific gravity of 3.28 compared to 2.72 for the unwashed (clayey) sample.

APPENDIX 2

Primary processing of auger core samples
Summary of size fractionation and drill logs

APPENDIX 2Primary Processing of Auger Core SamplesSample Size

Ideally two 1 metre sections of core were combined to provide a sample of ten to twenty kilograms. This would provide three samples from a hole six metres deep. If the hole depth finished on an odd numbered depth, for example five or seven metres, and the last metre gave insufficient core for a separate sample, the last metre was combined with the two metres above. This is the sample interval would be five to seven metres instead of five to six metres and another sample at seven metres. This procedure was followed for intervals where core was not recovered or the core recovered was insufficient to provide a separate sample.

Wet Process

The treatment of the core samples initially consisted of weighing, washing, screening and drying. The samples were mixed with sufficient water to form a slurry and to disperse the clay particles. The slurry was passed through a 4mm sieve to remove the oversize material and this allowed to settle overnight. The following day the water was decanted and the sample was dried, weighed and shipped for further analysis.

Some samples, however, were extremely clayey and large amounts of water and mixing were required to slurry the sample. This agitation appeared to make the clay colloidal and hence the samples did not settle overnight. Decanting resulted in the loss of mud of the sample including some very fine heavy minerals. This method was discontinued after twenty-two samples.

Dry Process

Samples were weighed and then dried. The moisture content of the sample was determined by a subsequent weighing. The dried sample was lightly crushed by hand and mallet to break up the loosely consolidated particles. No crushing of the gravels or cemented materials occurred. The sample was then sieved using 2mm and 90um screens, for approximately one hour. This method retained all heavy minerals but did not remove all clay size particles from the sand fraction of the sample. The +2mm, +90um and -90um fraction was shipped for further analysis.

Results

The sample intervals used, the method used and the mass of the size fractions obtained are tabulated in appendix 3.

038a)

METHODS

845039

- N: No sample recovered or sample was lost in processing.
- W: Sample was weighed, washed, sieved, dried and weighed.
- D: Sample was weighed, dried sieved and weighed.

(b)

MASS LOSS

Mass of sample lost in decanting and drying process.

Moisture loss only in D method. Some fine particles lost during decanting for W method.

| SAMPLE No. | LOCATION | | LABORATORY PROCESSING (Kg) | | | | | Sample Site Description | | | |
|------------|----------|-------|----------------------------|----------|---------|-------------|-----------|-------------------------|-------|------------|---------------------------------------|
| | North | East | top (m) | base (m) | lab use | sample mass | mass loss | | >2mm | <2mm >90um | <90um |
| | | | (a) | | (b) | | | | | | |
| 1 | 10000 | 10100 | 2 | 2 | d | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | red clay |
| 1 | 10000 | 10100 | 4 | 4 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | red clay |
| 1 | 10000 | 10100 | 6 | 6 | d | 5.90 | 1.20 | 0.20 | 4.04 | 0.43 | red clay |
| 1 | 10000 | 10100 | 8 | 8 | d | 4.60 | 1.90 | 0.47 | 1.99 | 0.19 | red clay |
| 1 | 10000 | 10100 | 10 | 10 | d | 4.40 | 2.00 | 0.30 | 1.85 | 0.21 | red clay |
| 2 | 10000 | 10200 | 2 | 2 | d | 5.00 | 1.90 | 0.14 | 2.60 | 0.35 | red clay |
| 2 | 10000 | 10200 | 4 | 4 | d | 5.20 | 1.50 | 0.35 | 1.16 | 0.23 | red clay |
| 2 | 10000 | 10200 | 6 | 6 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | red clay |
| 2 | 10000 | 10200 | 8 | 8 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | bed rock |
| 3 | 10000 | 10250 | 1 | 2 | d | 9.60 | 1.00 | 4.59 | 3.18 | 0.78 | bed rock at 1.5m |
| 4 | 10050 | 10000 | 2 | 2 | d | 6.80 | 2.00 | 0.15 | 4.28 | 0.31 | red clay |
| 4 | 10050 | 10000 | 4 | 4 | d | 6.60 | 1.80 | 0.61 | 3.74 | 0.44 | red clay |
| 4 | 10050 | 10000 | 6 | 6 | d | 6.60 | 2.30 | 0.93 | 3.35 | 0.23 | red clay |
| 4 | 10050 | 10000 | 8 | 8 | d | 5.30 | 2.30 | 0.04 | 2.71 | 0.29 | bed rock |
| 5 | 10000 | 10050 | 1 | 2 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | capstone at 1.5m |
| 6 | 10000 | 10000 | 1 | 2 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at 1.2m |
| 7 | 10000 | 9950 | 1 | 2 | d | 17.30 | 1.10 | 10.30 | 4.88 | 1.01 | gravel |
| 7 | 10000 | 9950 | 3 | 4 | d | 12.30 | 2.60 | 3.84 | 4.97 | 0.92 | red clay |
| 8 | 10000 | 9900 | 1 | 2 | d | 18.50 | 1.50 | 11.10 | 4.82 | 1.07 | hardcap at 1.5m |
| 9 | 10000 | 9850 | 1 | 2 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at 1.5m |
| 10 | 10000 | 9800 | 1 | 1 | d | 3.50 | 0.30 | 2.36 | 0.69 | 0.17 | hardcap at 1m |
| 11 | 10000 | 9700 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at 1m |
| 12 | 10250 | 9750 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at 1.5m |
| 13 | 10100 | 9750 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at 1m |
| 14 | 10100 | 9700 | 3 | 3 | w | 10.10 | 4.30 | 2.25 | 3.50 | 0.00 | hardcap absent |
| 15 | 10100 | 9650 | 0 | 0 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at surface |
| 16 | 10100 | 9600 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | hardcap at 1m |
| 16 | 10100 | 9700 | 1 | 2 | d | 15.00 | 2.90 | 5.13 | 5.56 | 1.38 | hardcap absent |
| 16 | 10100 | 9550 | 1 | 2 | d | 7.70 | 1.20 | 2.31 | 3.27 | 0.95 | hardcap at surface |
| 17 | 10100 | 9550 | 3 | 4 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | yellow sediments |
| 17 | 10100 | 9550 | 5 | 6 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | yellow sediments |
| 17 | 10100 | 9550 | 7 | 8 | d | 12.20 | 2.10 | 5.56 | 3.90 | 0.58 | yellow sediments |
| 17 | 10100 | 9550 | 9 | 10 | w | 11.50 | 5.60 | 0.20 | 5.70 | 0.00 | dark brown clay |
| 18 | 10250 | 9550 | 1 | 2 | w | 13.50 | 5.10 | 4.60 | 3.80 | 0.00 | hardcap at 1m |
| 18 | 10250 | 9550 | 3 | 4 | d | 13.30 | 3.60 | 0.45 | 8.80 | 0.44 | yellow clayey sediments |
| 18 | 10050 | 9550 | 5 | 6 | n | 3.00 | 0.00 | 2.00 | 0.00 | 0.00 | dark brown sediments |
| 19 | 10100 | 9500 | 1 | 2 | w | 17.80 | 4.40 | 5.20 | 8.20 | 0.00 | runny orange clay |
| 19 | 10100 | 9500 | 5 | 6 | w | 13.20 | 6.80 | 0.80 | 5.60 | 0.00 | runny orange clay |
| 20 | 10100 | 9450 | 1 | 4 | w | 20.40 | 4.90 | 5.30 | 10.20 | 0.00 | runny orange clay |
| 21 | 10100 | 9400 | 1 | 2 | d | 17.20 | 2.80 | 4.42 | 8.85 | 1.10 | brown clay |
| 21 | 10100 | 9400 | 3 | 4 | d | 18.40 | 2.10 | 1.30 | 5.60 | 1.37 | red clayey sediments |
| 21 | 10100 | 9400 | 5 | 6 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | no sample |
| 21 | 10100 | 9400 | 7 | 8 | d | 7.60 | 1.00 | 0.07 | 6.00 | 0.51 | yellow/red clayey sediments |
| 21 | 10100 | 9400 | 9 | 10 | d | 7.70 | 1.30 | 0.21 | 6.10 | 0.07 | yellow brown clayey sediments |
| 22 | 10050 | 9400 | 1 | 2 | d | 16.60 | 2.10 | 5.90 | 7.20 | 1.40 | runny dark brown clay |
| 22 | 10050 | 9400 | 3 | 4 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | no sample |
| 22 | 10050 | 9400 | 5 | 6 | d | 7.30 | 1.00 | 0.03 | 5.67 | 0.56 | yellow/red clayey sediments |
| 22 | 10050 | 9400 | 7 | 8 | d | 12.10 | 2.20 | 3.00 | 9.30 | 0.61 | yellow/red clayey sediments |
| 23 | 10000 | 9400 | 1 | 2 | d | 11.90 | 2.90 | 4.91 | 5.12 | 0.93 | brown clayey sediments |
| 23 | 10000 | 9400 | 3 | 4 | d | 10.60 | 1.80 | 1.76 | 6.10 | 0.93 | yellow clayey sediments |
| 23 | 10000 | 9400 | 5 | 6 | d | 8.90 | 1.70 | 0.01 | 6.40 | 7.80 | yellow clayey sediments |
| 24 | 10100 | 9350 | 1 | 1 | d | 17.30 | 2.30 | 7.15 | 6.12 | 1.73 | gravel and hardcap |
| 25 | 10000 | 9300 | 1 | 2 | d | 9.45 | 1.40 | 2.78 | 3.95 | 1.33 | gravel over clay |
| 25 | 10000 | 9300 | 3 | 4 | d | 6.00 | 0.90 | 0.00 | 4.54 | 0.49 | white to yellow clayey sediments |
| 25 | 10000 | 9300 | 5 | 7 | d | 9.30 | 1.70 | 0.00 | 7.25 | 0.34 | yellow to red clayey sediments |
| 25 | 10000 | 9600 | 1 | 2 | d | 13.00 | 1.80 | 4.99 | 5.65 | 0.60 | hardcap over brown clay |
| 25 | 10000 | 9600 | 3 | 4 | d | 4.20 | 0.90 | 0.28 | 1.58 | 1.41 | brown to grey clayey sediments |
| 26 | 10000 | 9600 | 5 | 6 | d | 7.30 | 1.55 | 0.95 | 4.20 | 1.10 | grey clayey sediments |
| 26 | 10000 | 9600 | 7 | 9 | d | 12.80 | 2.26 | 1.70 | 8.70 | 0.14 | grey sediments |
| 27 | 10000 | 9700 | 1 | 2 | w | 12.25 | 5.60 | 3.20 | 3.40 | 0.00 | gravel over brown clay |
| 27 | 10000 | 9700 | 3 | 6 | w | 9.10 | 5.40 | 0.55 | 3.10 | 0.00 | runny brown clay |
| 28 | 10000 | 9800 | 1 | 2 | d | 8.00 | 1.10 | 3.00 | 3.40 | 0.44 | gravel over brown clay |
| 28 | 10000 | 9800 | 3 | 4 | d | 2.90 | 3.10 | 2.89 | 2.31 | 0.59 | brown clay |
| 29 | 10000 | 9900 | 1 | 2 | d | 9.30 | 0.70 | 3.75 | 4.04 | 0.79 | gravel over brown clay |
| 29 | 10000 | 9900 | 4 | 4 | d | 5.60 | 1.80 | 1.03 | 2.57 | 0.23 | light brown runny clay |
| 29 | 10000 | 9900 | 6 | 6 | d | 6.90 | 3.30 | 0.00 | 2.48 | 0.27 | light brown runny clay |
| 29 | 10000 | 9900 | 7 | 8 | w | 12.10 | 8.00 | 0.60 | 3.50 | 0.00 | brown clay with thin black clay layer |
| 30 | 10000 | 9950 | 1 | 2 | d | 5.90 | 1.40 | 1.13 | 3.14 | 0.26 | gravel over brown clay |
| 30 | 10000 | 9950 | 3 | 4 | d | 4.30 | 1.00 | 0.49 | 2.57 | 0.20 | orange brown clay |
| 30 | 10000 | 9950 | 6 | 6 | d | 5.00 | 1.00 | 0.10 | 3.35 | 0.44 | orange brown clay |
| 30 | 10000 | 9950 | 7 | 8 | d | 7.60 | 1.40 | 1.90 | 3.72 | 0.56 | orange brown clay |
| 30 | 10000 | 9950 | 9 | 10 | d | 7.00 | 2.30 | 0.44 | 4.15 | 0.14 | brown clay over bedrock |
| 31 | 10000 | 10000 | 1 | 2 | w | 7.40 | 3.30 | 1.40 | 2.70 | 0.00 | gravel |
| 31 | 10000 | 10000 | 3 | 4 | d | 5.70 | 0.50 | 1.67 | 2.94 | 0.55 | orange brown clay |
| 31 | 10000 | 10000 | 5 | 6 | w | 8.10 | 5.00 | 0.00 | 2.50 | 0.00 | orange brown clay |
| 31 | 10000 | 10000 | 7 | 8 | d | 6.00 | 1.30 | 0.15 | 3.23 | 0.35 | orange brown clay |
| 31 | 10000 | 10000 | 9 | 10 | d | 13.20 | 3.50 | 3.00 | 6.50 | 0.24 | orange brown clay |
| 31 | 10000 | 10000 | 11 | 12 | d | 12.10 | 4.70 | 0.80 | 6.10 | 0.47 | orange clay over bedrock |
| 32 | 10000 | 10050 | 1 | 2 | d | 14.90 | 0.90 | 6.00 | 6.20 | 1.00 | gravel |
| 32 | 10000 | 10050 | 3 | 4 | d | 8.30 | 1.50 | 2.25 | 3.50 | 0.99 | orange brown clay |
| 32 | 10000 | 10050 | 5 | 6 | d | 6.80 | 2.20 | 1.32 | 2.57 | 0.73 | orange clay over bedrock |

040

APPENDIX 2
Wilson River Auger Holes
Drill Logs and Size Fractions

845041

| Sample No. | LOCATION | | LABORATORY PROCESSING (Kg) | | | | | Sample Site Description | | | | | |
|--------------|----------|-------|----------------------------|----------|---------|-------------|-----------|-------------------------|--------|------------|------------------------------------|-------|--|
| | North | East | top (m) | base (m) | lab use | sample mass | mass loss | | >2mm | <2mm >90um | <90um | | |
| | | | (a) | | (b) | | | | | | | | |
| 33 | 9950 | 10000 | 1 | 2 | d | 13.40 | 0.00 | 8.00 | 3.30 | 0.81 | gravel | | |
| 33 | 9952 | 10000 | 3 | 4 | d | 7.00 | 1.70 | 2.25 | 2.63 | 0.41 | orange brown clay | | |
| 33 | 9950 | 10000 | 5 | 6 | d | 8.00 | 1.70 | 2.01 | 3.62 | 0.60 | orange brown clay | | |
| 33 | 9950 | 10000 | 7 | 8 | d | 6.40 | 1.00 | 2.65 | 2.47 | 0.31 | orange brown clay | | |
| 33 | 9950 | 10000 | 9 | 10 | d | 8.50 | 1.28 | 2.74 | 3.00 | 0.49 | orange brown clay | | |
| 33 | 9950 | 10000 | 11 | 12 | d | 10.10 | 1.15 | 3.68 | 4.62 | 0.65 | orange brown clay | | |
| 33 | 9950 | 10000 | 13 | 14 | d | 10.20 | 1.47 | 3.44 | 4.95 | 0.34 | orange brown clay | | |
| 33 | 9950 | 10000 | 15 | 16 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | no sample | | |
| 33 | 9950 | 10000 | 17 | 17 | d | 1.60 | 0.20 | 0.21 | 1.09 | 0.07 | orange clay over bedrock | | |
| 34 | 10200 | 9550 | 1 | 2 | d | 8.40 | 2.00 | 4.32 | 1.83 | 0.28 | gravel over gray clay | | |
| 34 | 10200 | 9550 | 2 | 4 | d | 13.00 | 3.10 | 3.50 | 4.04 | 0.35 | grey clayey sediments | | |
| 35 | 10150 | 9400 | 1 | 2 | d | 8.00 | 1.50 | 3.35 | 2.05 | 1.94 | gravel over clay | | |
| 35 | 10150 | 9400 | 3 | 4 | d | 7.70 | 1.30 | 2.06 | 3.35 | 0.16 | clayey sediments | | |
| 36 | 10150 | 9550 | 1 | 2 | d | 9.30 | 0.27 | 4.71 | 3.15 | 0.73 | gravel over clay sediments | | |
| 36 | 10150 | 9550 | 3 | 4 | d | 10.70 | 1.10 | 4.15 | 4.60 | 0.72 | clayey sediments | | |
| 36 | 10150 | 9550 | 5 | 6 | d | 10.30 | 1.00 | 0.03 | 6.20 | 0.26 | clayey sediments | | |
| 37 | 9900 | 10100 | 1 | 2 | d | 13.00 | 0.60 | 5.90 | 6.40 | 1.01 | gravel over orange clay | | |
| 37 | 9900 | 10100 | 3 | 4 | d | 12.10 | 2.00 | 3.40 | 6.30 | 0.39 | orange clay | | |
| 37 | 9900 | 10100 | 5 | 6 | d | 10.90 | 2.30 | 1.88 | 5.60 | 1.13 | orange clay | | |
| 37 | 9900 | 10100 | 7 | 8 | d | 6.60 | 1.80 | 0.69 | 3.96 | 0.16 | orange clay over bedrock | | |
| 38 | 9700 | 10000 | 1 | 5 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | missing ???? | | |
| 39 | 9750 | 10000 | 1 | 2 | d | 11.30 | 1.40 | 4.51 | 5.00 | 0.34 | gravel over clay | | |
| 39 | 9750 | 10000 | 3 | 6 | d | 13.00 | 4.00 | 1.26 | 6.00 | 1.72 | orange brown clay | | |
| 40 | 9750 | 9950 | 1 | 3 | w | 12.50 | 6.00 | 2.90 | 3.60 | 0.00 | gravel, clay over bedrock | | |
| 40 | 9750 | 9900 | 1 | 3 | w | 10.30 | 1.20 | 4.25 | 5.19 | 0.10 | gravel, clay over bedrock | | |
| 42 | 9750 | 9850 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | bedrock at 0.5m | | |
| 43 | 9750 | 9800 | 1 | 1 | w | 5.20 | 2.20 | 2.00 | 1.00 | 0.00 | bedrock at 0.5m | | |
| 44 | 9750 | 9750 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | bedrock at 0.5 m | | |
| 45 | 9750 | 10050 | 1 | 3 | d | 20.90 | 3.60 | 6.60 | 10.00 | 0.65 | gravel, clay over bedrock | | |
| 46 | 9750 | 10150 | 1 | 2 | d | 16.30 | 4.00 | 4.11 | 7.90 | 0.26 | gravel, clay over bedrock | | |
| 47 | 9750 | 10150 | 1 | 1 | d | 5.10 | 1.80 | 0.73 | 2.02 | 0.50 | gravel over bedrock | | |
| 48 | 9750 | 10200 | 1 | 2 | d | 14.20 | 3.20 | 4.73 | 5.90 | 0.42 | gravel over bedrock | | |
| 49 | 9750 | 10250 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | bedrock at 0.5m | | |
| 50 | 9800 | 10250 | 1 | 1 | d | 18.10 | 2.60 | 9.20 | 5.11 | 1.19 | gravel over bedrock | | |
| 51 | 9750 | 10300 | 1 | 4 | d | 27.30 | 3.70 | 13.80 | 8.90 | 0.86 | 1.5m gravel over clay, bedrock | | |
| 52 | 9850 | 10300 | 1 | 2 | d | 23.90 | 4.30 | 9.25 | 6.40 | 0.91 | gravel, clay over bedrock | | |
| 53 | 9850 | 10250 | 1 | 3 | d | 10.00 | 1.70 | 13.40 | 2.72 | 0.78 | gravel, clay over bedrock | | |
| 54 | 9850 | 10200 | 1 | 2 | d | 15.30 | 1.50 | 9.90 | 2.98 | 0.87 | gravel, clay over bedrock | | |
| 55 | 9850 | 10150 | 1 | 2 | d | 13.30 | 1.30 | 7.90 | 3.48 | 0.63 | gravel, clay over bedrock | | |
| 56 | 9850 | 10100 | 1 | 2 | d | 18.50 | 1.90 | 4.08 | 3.72 | 0.75 | gravel clay over bedrock | | |
| 57 | 9800 | 10000 | 1 | 4 | d | 12.00 | 2.70 | 3.86 | 4.78 | 0.69 | 2m gravel over clay, bedrock | | |
| 58 | 9850 | 10000 | 1 | 4 | d | 21.10 | 5.20 | 7.60 | 7.60 | 0.68 | 1m gravel over clay, bedrock | | |
| 59 | 9850 | 9950 | 1 | 2 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | orange clay over bedrock | | |
| 60 | 9900 | 10000 | 1 | 6 | w | 19.40 | 12.60 | 1.20 | 5.60 | 0.00 | 1m gravel over clay, bedrock | | |
| 61 | 9850 | 9900 | 1 | 5 | d | 10.10 | 4.60 | 5.65 | 6.70 | 1.17 | 1m gravel over bedrock | | |
| 62 | 9850 | 9850 | 1 | 6 | d | 21.00 | 6.40 | 5.64 | 8.30 | 0.69 | 1m gravel over clay, bedrock | | |
| 63 | 9850 | 9800 | 1 | 6 | w | 16.00 | 6.60 | 2.90 | 6.50 | 0.00 | 1m gravel over clay, bedrock | | |
| 64 | 9850 | 9750 | 1 | 6 | d | 24.40 | 8.90 | 5.99 | 7.90 | 1.65 | 1m gravel over clay, bedrock | | |
| 65 | 9850 | 9700 | 1 | 6 | w | 21.20 | 12.50 | 2.30 | 6.40 | 0.00 | 1m gravel over clay, bedrock | | |
| 66 | 9800 | 9750 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | gravel, clay, bedrock | | |
| 67 | 9900 | 9750 | 1 | 2 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | gravel, clay over bedrock | | |
| 68 | 9950 | 9750 | 1 | 1 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | bedrock at 0.5m | | |
| 69 | 10000 | 9450 | 1 | 7 | d | 21.50 | 3.90 | 1.30 | 15.70 | 0.61 | 1m gravel/hardcap over sediments | | |
| 70 | 10000 | 9550 | 1 | 9 | w | 23.10 | 5.30 | 0.80 | 14.00 | 0.00 | 1m gravel/hardcap over sediments | | |
| 71 | 10000 | 9650 | 1 | 9 | d | 21.00 | 3.60 | 7.60 | 7.30 | 2.50 | 1m gravel hardcap over sediments | | |
| 72 | 10000 | 9750 | 1 | 9 | w | 21.40 | 9.90 | 6.30 | 5.50 | 0.00 | gravel over red-orange clay | | |
| 73 | 10000 | 9850 | 1 | 7 | d | 23.70 | 6.40 | 8.30 | 8.30 | 0.65 | 1m gravel over clay bedrock | | |
| 74 | 10200 | 9750 | 1 | 4 | d | 11.80 | 3.40 | 2.23 | 5.50 | 0.63 | 1m gravel over clay, bedrock | | |
| 75 | 10100 | 9900 | 1 | 5 | w | 10.10 | 6.60 | 2.20 | 5.30 | 0.00 | 1m gravel over clay sediments | | |
| 76 | 10100 | 9850 | 1 | 4 | w | 9.10 | 2.60 | 1.20 | 5.30 | 0.00 | 1m gravel over clay, bedrock | | |
| 77 | 9850 | 9550 | 1 | 0 | n | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | too steep to drill | | |
| 78 | 9900 | 9550 | 1 | 4 | w | 13.20 | 5.30 | 0.80 | 7.10 | 0.00 | 1m gravel/hardcap over sediments | | |
| 79 | 9950 | 9550 | 1 | 3 | w | 0.70 | 1.90 | 1.20 | 5.60 | 0.00 | 1m gravel/hardcap over sediments | | |
| 80 | 10050 | 9750 | 1 | 5 | d | 18.90 | 5.40 | 4.40 | 8.50 | 0.57 | 1m surface gravel. No sample 4-6m. | | |
| 81 | 10100 | 9750 | 1 | 2 | d | 9.00 | 1.60 | 2.60 | 3.17 | 1.59 | gravel over clay | | |
| 81 | 10100 | 9750 | 3 | 4 | d | 9.80 | 0.80 | 3.90 | 4.10 | 0.96 | orange brown clay | | |
| 81 | 10100 | 9750 | 5 | 0 | r | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | no sample | | |
| 81 | 10100 | 9750 | 7 | 7 | d | 6.50 | 1.90 | 1.12 | 3.00 | 0.42 | clay over bedrock | | |
| 82 | 10150 | 9750 | 7 | 2 | d | 5.60 | 1.00 | 2.90 | 1.24 | 0.43 | gravel over clay | | |
| 82 | 10150 | 9750 | 3 | 4 | d | 9.45 | 2.70 | 1.37 | 4.90 | 0.74 | orange brown clay | | |
| 82 | 10150 | 9750 | 5 | 6 | d | 12.00 | 3.54 | 1.96 | 5.90 | 0.57 | orange brown clay | | |
| 82 | 10150 | 9750 | 7 | 8 | d | 4.80 | 2.10 | 1.00 | 1.60 | 0.16 | orange clay over bedrock | | |
| 83 | 10100 | 9800 | 1 | 2 | d | 7.80 | 0.70 | 5.27 | 1.56 | 0.31 | gravel over clay | | |
| 83 | 10100 | 9800 | 3 | 4 | d | 4.30 | 1.30 | 1.54 | 1.63 | 0.16 | orange brown clay | | |
| 83 | 10100 | 9800 | 5 | 5 | d | 8.90 | 2.30 | 1.70 | 4.30 | 0.53 | orange clay over bedrock | | |
| 85 | 9900 | 10250 | 1 | 2 | d | 13.70 | 2.00 | 5.30 | 5.85 | 0.59 | gravel over clay | | |
| 84 | 10000 | 9800 | 5 | 6 | d | 6.95 | 2.70 | 0.43 | 3.30 | 0.47 | orange clay over bedrock | | |
| 85 | 9900 | 10250 | 1 | 4 | d | 3.72 | 1.00 | 0.70 | 1.60 | 0.40 | orange brown clay | | |
| 85 | 9900 | 10250 | 5 | 6 | d | 12.65 | 4.50 | 1.59 | 6.50 | 0.00 | orange clay over bedrock | | |
| ** Total *** | | | | | | | | 1485.0 | 369.12 | 405.46 | 635.04 | 78.81 | |

Refer next page for (a), (b)

041

845042

APPENDIX 3

Bulk samples

Site description and size fractions

APPENDIX 3
Wilson River Bulk Samples
Site Description and Size Fractions

042

| Site No. | North | East | depth (m) | >3mm volume (m ³) | HUTCH 2/3 volume (m ³) | mass (kg) | HUTCH 1 volume (m ³) | mass (kg) |
|--------------|-------|-------|-----------|-------------------------------|------------------------------------|-----------|----------------------------------|-----------|
| 2 | 10100 | 9750 | 2.0 | 1.2 | 0.15 | 280 | 0.13 | 350 |
| 3 | 10000 | 9700 | 2.0 | 1.1 | 0.05 | 100 | 0.05 | 90 |
| 4 | 9850 | 10000 | 2.0 | 1.3 | 0.15 | 320 | 0.20 | 500 |
| 5 | 9750 | 10000 | 2.0 | 0.8 | 0.13 | 250 | 0.10 | 240 |
| 6 | 10000 | 10000 | 2.0 | 1.3 | 0.07 | 130 | 0.07 | 90 |
| 7 | 9850 | 9750 | 2.0 | 0.8 | 0.07 | 160 | 0.07 | 100 |
| 8 | 9850 | 9800 | 2.0 | 1.1 | 0.05 | 150 | 0.05 | 200 |
| 9 | 9900 | 9750 | 2.0 | 0.9 | 0.07 | 190 | 0.07 | 200 |
| 10 | 10100 | 9850 | 2.0 | 0.8 | 0.10 | 190 | 0.10 | 200 |
| 11 | 10100 | 9650 | 2.0 | 0.9 | 0.10 | 280 | 0.20 | 450 |
| 12 | 10000 | 9900 | 2.0 | 1.4 | 0.07 | 290 | 0.05 | 150 |
| 13 | 9950 | 10050 | 2.0 | 1.3 | 0.07 | 170 | 0.07 | 120 |
| 14 | 9850 | 10100 | 2.0 | 1.2 | 0.07 | 130 | 0.07 | 120 |
| 15 | 9850 | 10200 | 2.0 | 1.4 | 0.08 | 220 | 0.10 | 250 |
| 16 | 9850 | 10300 | 2.0 | 1.0 | 0.12 | 270 | 0.07 | 130 |
| 17 | 9750 | 10300 | 2.0 | 1.0 | 0.40 | 950 | 0.12 | 290 |
| 18 | 9750 | 10200 | 2.0 | 0.9 | 0.13 | 300 | 0.10 | 240 |
| 19 | 9750 | 10100 | 2.0 | 0.6 | 0.20 | 300 | 0.15 | 300 |
| 20 | 9900 | 10150 | 1.5 | 1.2 | 0.20 | 380 | 0.15 | 180 |
| 21 | 10000 | 10250 | 1.5 | 0.9 | 0.07 | 100 | 0.07 | 120 |
| 22 | 10000 | 10100 | 2.0 | 1.0 | 0.07 | 140 | 0.07 | 150 |
| 23 | 9950 | 9950 | 2.0 | 1.2 | 0.07 | 120 | 0.05 | 150 |
| 24 | 10000 | 9600 | 2.0 | 1.4 | 0.03 | 90 | 0.07 | 70 |
| 25 | 10150 | 9400 | 2.0 | 0.0 | 0.07 | 160 | 0.07 | 140 |
| 26 | 10150 | 9550 | 2.0 | 1.2 | 0.07 | 150 | 0.05 | 140 |
| 27 | 10200 | 9750 | 2.0 | 0.8 | 0.05 | 90 | 0.07 | 150 |
| 28 | 9850 | 9900 | 2.0 | 1.0 | 0.05 | 100 | 0.07 | 120 |
| 29 | 9900 | 9850 | 2.0 | 0.9 | 0.07 | 150 | 0.07 | 150 |
| 30 | 9750 | 9900 | 2.0 | 1.0 | 0.07 | 300 | 0.15 | 140 |
| 31 | 9750 | 9800 | 0.8 | 0.5 | 0.07 | 150 | 0.07 | 140 |
| ** Total *** | | | 57.8 | 30.1 | 2.97 | 6610 | 2.73 | 5670 |

$\bar{x} = 10.1\%$

SAMPLE SITE DESCRIPTION

0.5m loose gravel. Hardcap. Red clay at 2m.
Red clay.
2m of loose gravel. Red brown clay at base.
0.3m loose gravel. Brown clay.
0.5m loose gravel. Hardcap. Red clay.
0.2m green clay. Yellow clay to 2m. Red-brown clay at base.
0.3m loose gravel. Orange clay.
Orange-brown clay.
0.3m loose gravel. Orange clay.
0.4m hardcap. Orange-brown clay.
0.5m loose gravel. Hardcap. Red clay and bedrock.
0.3m loose gravel. Hardcap. Red-brown clay.
0.4m loose gravel. Yellow-red clay.
0.5m loose gravel. 1m broken hardcap. Brown clay.
0.3m loose gravel. Yellow-red clay.
2m of loose gravel.
0.2m red clay. Orange-yellow clay.
Red clay. Yellow-grey clay at base.
1m loose gravel. 0.5m broken hardcap. Hole 1.5m deep.
0.4m loose gravel. Red-orange clay. Serpentinite at 1.5m.
0.3m loose gravel. Red-brown clay.
2m loose gravel.
0.5m loose gravel. Grey gravel 0.5m. Orange clay to base
0.5m grey gravel. 1.5m white clay. Red clay at base.
0.3m loose gravel. Red-orange clay to 1.5m. Yellow clay.
0.3m loose gravel. Red-orange clay.
0.3m loose gravel. Red-orange clay.
1m loose gravel. Red-orange clay.
2m of red-orange clay.
0.8m red-orange clay. Serpentinite at 0.8m

845043

845044

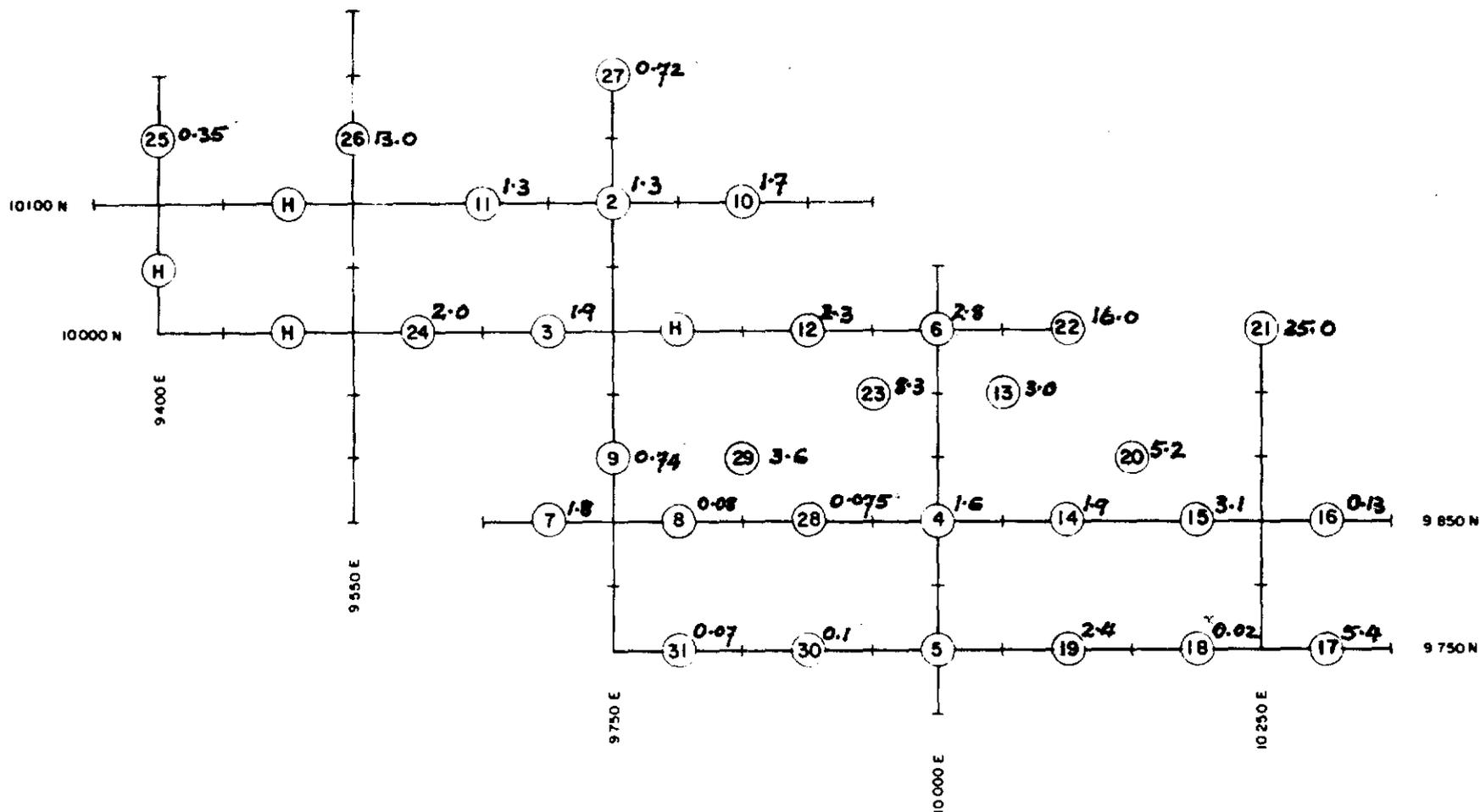
0-043

APPENDIX 4

Bulk samples

Various analysis results on sample
location diagram

DVT



Iridium (ppm)
 NON MAGNETIC - 500 microns
 HURCH 1 Concentrates

5 cm

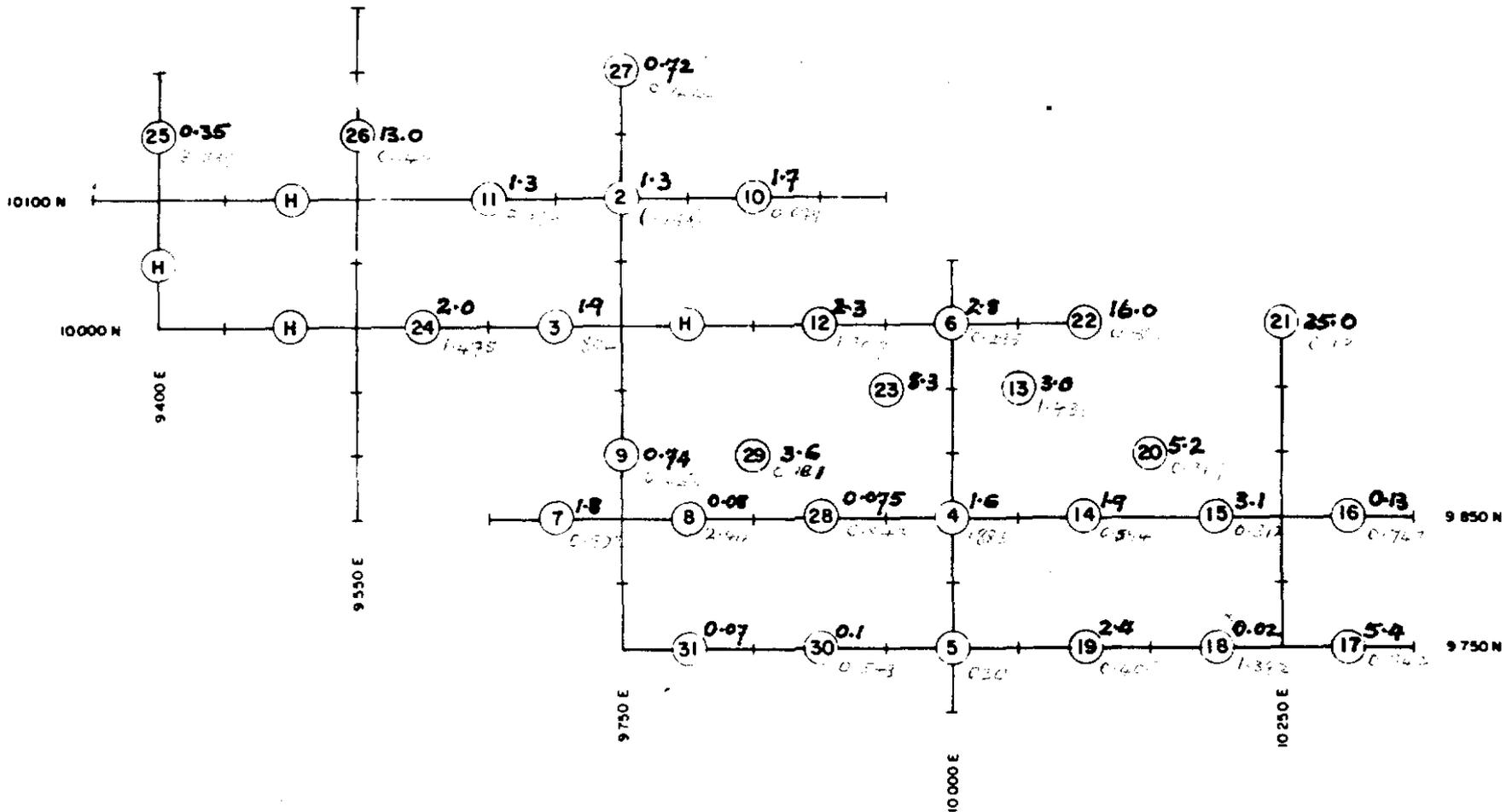
H = Hardcap

| | |
|--|--|
| CALLINA N. L. | |
| LOCATION OF BULK SAMPLE SITE AREA A | |
| H.S. = 1: 8300 | |

845045

Figure 6

045



845046

Iridium (ppm)

NON MAGNETIC - 500 MICRONS

HUTCH 1 Concentrates

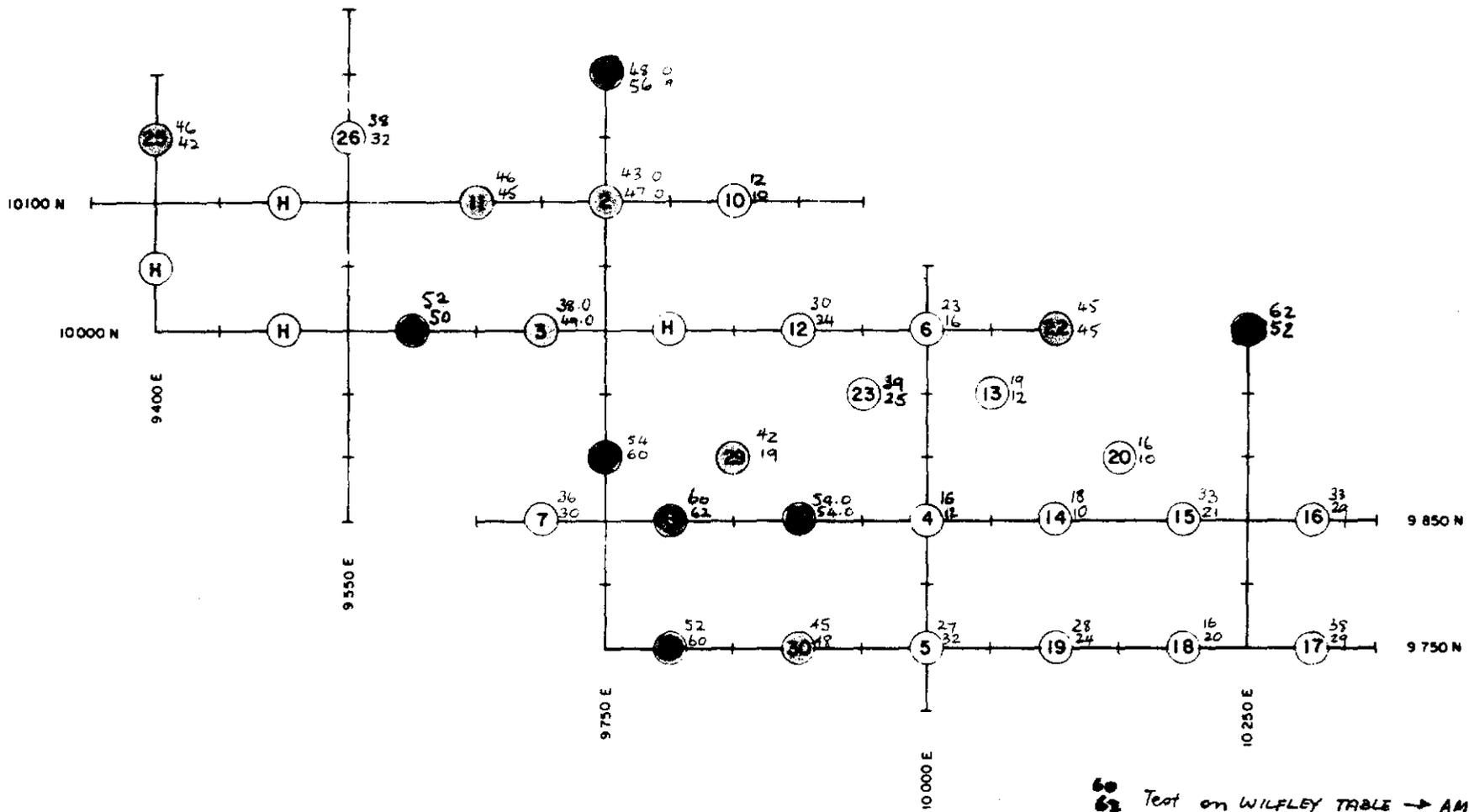
5 cm

H = Hardcap

| | |
|-------------------------------------|--|
| CALLINA N.L. | |
| LOCATION OF BULK SAMPLE SITE AREA A | |
| H.S. = 1: 8 300 | |

Figure 6

046



845047

60
62 Test on WILFLEY TABLE → AMC

94
54 Test on WILFLEY TABLE

TOTAL Cr203
 HUTCH 1
 MEDICAL MAGS
 -500 MICRONS

| | | |
|--------|-----|---|
| MAGS 1 | ... | 0 |
| MAGS 2 | ... | 3 |

| | | | |
|-------|--------|-------------------|-------------|
| Amios | Gauss | $\bar{X} = 36.96$ | $S = 14.08$ |
| 10000 | 14,000 | $\bar{X} = 34.19$ | $S = 17.11$ |

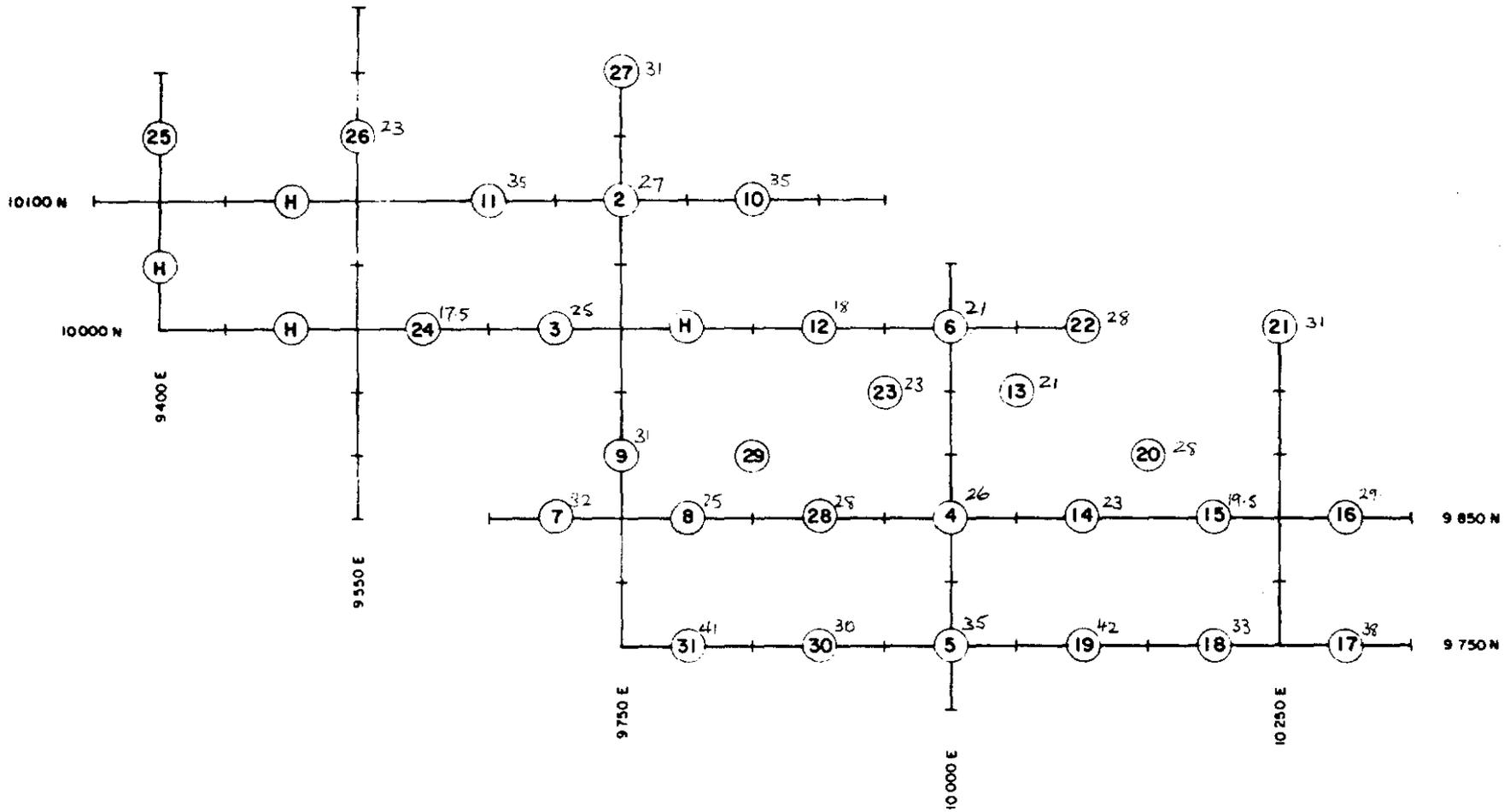
H = Hardcap

5 cm

| | |
|-------------------------------------|--|
| CALLINA N.L. | |
| LOCATION OF BULK SAMPLE SITE AREA A | |
| H.S. = 1:8300 | |

Figure 6

047



845048

TOTAL HMF < 3mm

- (i) HMF produced
- (ii) % HMF in Tailings
- (iii) % HMF in OVERSIZE

5 cm

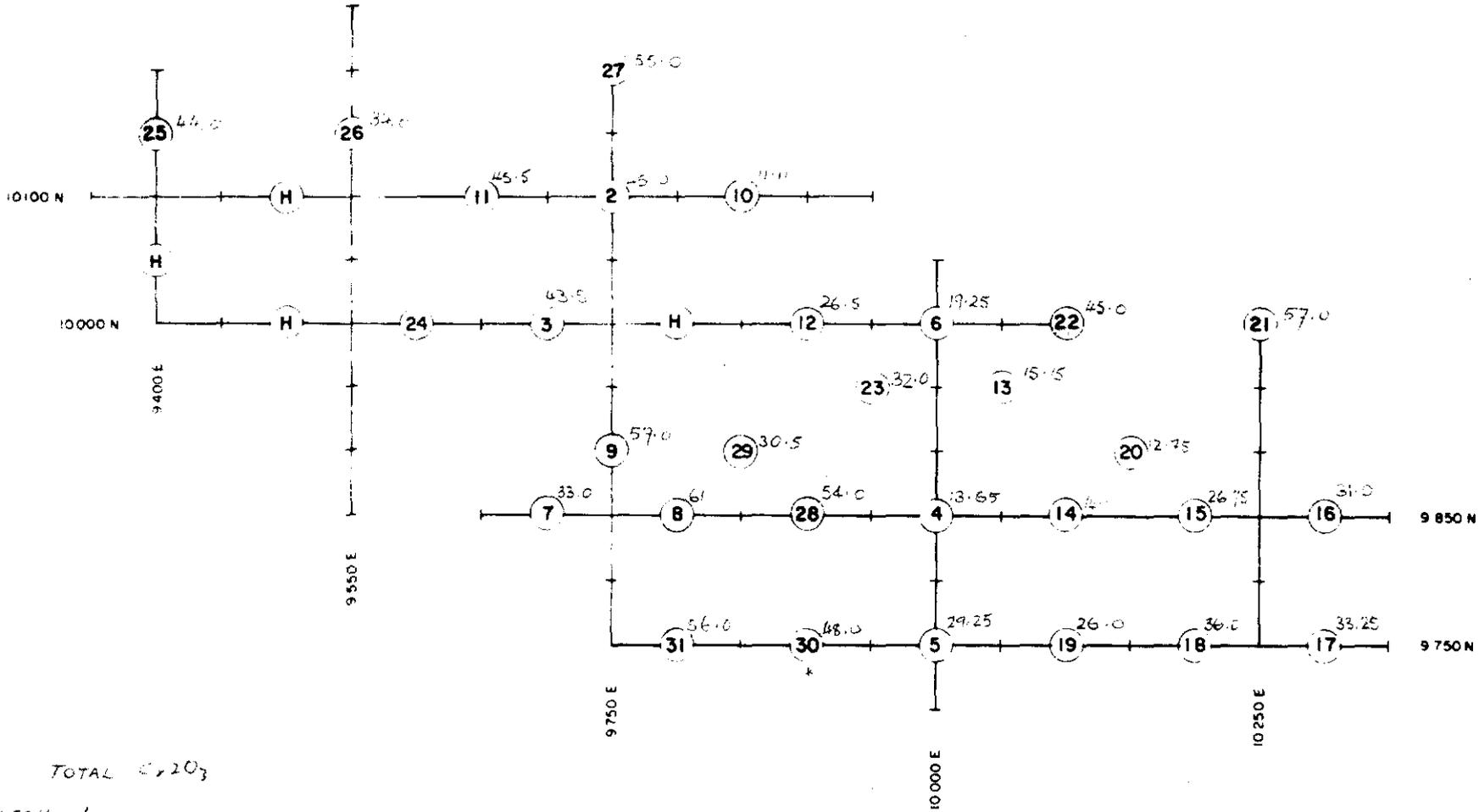
H = Hardcap

| | |
|--|--|
| CALLINA N. L. | |
| LOCATION OF BULK SAMPLE SITE AREA A | |
| H.S. = 1: 8 300 | |

Figure 6

048

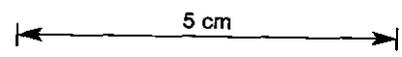
845049



TOTAL 2203

- HUTCH 1
- MEDIUM MASS (1+2) X
- - 500 microns

n = 29
 \bar{X} = 35.69
 S = 15.09



H = Hardcap

| | |
|-------------------------------------|--|
| CALLINA N. L. | |
| LOCATION OF BULK SAMPLE SITE AREA A | |
| H.S. = 1 8 300 | |

Figure 6

845050

049

APPENDIX 5

Size and magnetic fractionation

Methods used

050

845051

MICRON RESEARCH (W.A.)

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649
METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,
14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

8th October, 1987
AFG:ABG

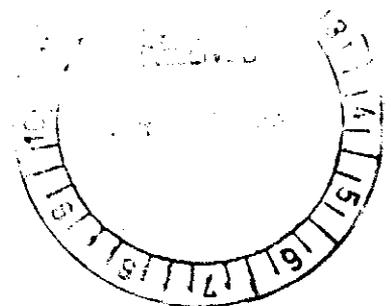
The Manager,
Callina Mining,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

ATTN: Mr. N. Perrignon

re: Compositing Samples

At your instruction the Mags 1 plus Mags 2 products were extracted from selected product samples which had been delivered to the laboratory on 5th instant. The samples and weights thereof are shown in the accompanying table. All the selected samples were agitated in a large plastic container and segregation of the lighter brownish grains caused some concern as to the accuracy of subsequent sampling. A TBE test indicated there was a significant S.G differential which gave promise of beneficiation by using an Air Table to detect these brownish grains from the black heavier chromite grains. The air table product weights are shown in the attached table, each has been sampled for assay purposes and a 1 x 5 kg. plus 5 x 1 kg. samples of the air table concentrates have been recovered by riffle splitter and package is addressed to Aust. Mineral Corporation (awaiting transportation) as instructed.


A.F. GRIFFIN



051

COMPOSITING OF SELECTED MAGS 1 + MAGS 2

WEIGHTS IN GRAMS



| <u>Nos.</u> | <u>Mags 1</u> | <u>Mags 2</u> | <u>Totals</u> |
|-------------|---------------|---------------|---------------|
| 11-38175 | 3355 | 3377 | 6732 |
| 16-38199 | 1533 | 1386 | 2919 |
| 7-38154 | 390 | 762 | 1152 |
| 12-38220 | 3355 | 438 | 3793 |
| 14-38217 | 462 | 427 | 889 |
| 19-38181 | 343 | 2014 | 2357 |
| 18-38164 | 3357 | 838 | 4195 |
| 15-38226 | 385 | Nil | 385 |
| 9-38169 | 1517 | 1418 | 2935 |
| 21-38186 | 5310 | 1446 | 6756 |
| 6-38161 | 1960 | 630 | 2590 |
| 27-38193 | 1898 | 1368 | 3266 |
| 30-38229 | 1027 | 784 | 1811 |
| 25-38172 | 4660 | 1457 | 6117 |
| 29-38190 | 868 | Nil | 868 |
| 20-38223 | Nil | 410 | 410 |
| 5-38151 | <u>599</u> | <u>300</u> | <u>899</u> |
| Total 17 | <u>31019</u> | <u>17055</u> | <u>48074</u> |

NOTES:

1. The following sample bags contained no Mags 1 or Mags 2 samples. 10, 28, 3, 22, 4.
2. An assay sized sample of the Mags 1 and Mags 2 is retained in all bags.

AIR TABLE PRODUCTS OF COMPOSITED MAGS

| | | <u>Wt. in kg.</u> | <u>Wt. %</u> |
|----|-----------------|-------------------|--------------|
| 1. | Air Table Tails | 8.46 | 17.4 |
| 2. | " " Mids | 8.15 | 16.8 |
| 3. | " " Cons | <u>32.00</u> | <u>65.8</u> |
| | | <u>48.61</u> | <u>100.0</u> |

All products are subject to assay.

052

MICRON RESEARCH (W.A.)

845053

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649
METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,
14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

13th October, 1987
AFG:ABG

The Manager,
Callina Mining,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1457 (2)
 Gravity Concentration of selected end products

A total of 10 previously produced products were returned to the laboratory with instructions to reconcentrate on the Wilfley (wet) table, dry, weigh and sample. Samples were available for external assay and all the balance are in a carton (separately packaged) and are available for delivery. These data are shown in the accompanying table.

A.F. GRIFFIN



053

GRAVITY CONCENTRATION MAGNET FRACTIONS

| No. | SAMPLE | | Table Products | WEIGHTS | |
|-----|---------|------------|-------------------|---------|-------|
| | Size | Products | | g. | % |
| 3B | -2 + .5 | N/Mags | Cons | 2.341 | 35.56 |
| | | | Tails | 4.243 | 64.44 |
| | | | Total | 6.584 | 100.0 |
| 3B | - .5 | N/Mags | Cons | 0.075 | 17.65 |
| | | | Tails | 0.350 | 82.35 |
| | | | Total | 0.425 | 100.0 |
| 27B | -2 + .5 | N/Mags | Cons | 1.357 | 44.83 |
| | | | Tails | 1.670 | 55.17 |
| | | | Total | 3.027 | 100.0 |
| 27B | - .5 | N/Mags | Cons | 0.093 | 18.38 |
| | | | Tails | 0.413 | 81.62 |
| | | | Total | 0.506 | 100.0 |
| 3 | - .5 | Mags 1 + 2 | Cons | 0.236 | 16.54 |
| | | | Tails | 1.191 | 83.46 |
| | | | Total | 1.427 | 100.0 |
| 4 | - .5 | Mags 1 + 2 | Cons | 0.059 | 29.35 |
| | | | Tails | 0.142 | 70.65 |
| | | | Total | 0.201 | 100.0 |
| 10 | - .5 | Mags 1 + 2 | Cons | 0.296 | 7.86 |
| | | | Tails | 3.470 | 92.14 |
| | | | Head | 3.766 | 100.0 |
| 23 | - .5 | Mags 1 + 2 | Cons | 0.128 | 14.46 |
| | | | Tails | 0.757 | 85.54 |
| | | | Head | 0.885 | 100.0 |
| 26 | - .5 | Mags 1 + 2 | Cons | 0.427 | 6.25 |
| | | | Tails | 6.401 | 93.75 |
| | | | Head | 6.828 | 100.0 |
| 28 | - .5 | Mags 1 + 2 | Cons | 0.212 | 5.93 |
| | | | Tail | 3.365 | 94.07 |
| | | | Head | 3.577 | 100.0 |

054

MICRON RESEARCH (W.A.) 845055

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649
METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,
14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

6th August, 1987
AFG:ABG

The Manager,
Callina Mining N.L.,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1457
Processing of Jig No. 1 Hutch Products

As requested a total of 30 Jig No. 1 Hutch products were received at this laboratory in double plastic bags. Verbal instructions were received to process each product in turn by a process of -

1. Attritioning/desliming
2. Sizing
3. Magnetic fraction

All of these products were to be weighed, sampled by riffle splitter, to give 200 gram samples for delivering to the analysts. The balance of the products have been bagged and await delivery.

NOTES:

1. No responsibility will be accepted for the data given in this report except insofar as it applies to the samples received.
2. Perth tap water was used in all test work.
3. All products are available for delivery.

THE PRODUCTS SUPPLIED

All products supplied contained appreciable amount of water and slimes, some of which adhered to the grains. There was no No. 1 sample - Field Trials.

PROCESSING - as Flow Sheet attached.

1. Attritioning/desliming

The whole of each product supplied was agitated with additional water in a cement mixer. The liberated slimes and excess water was decanted from time to time until the amount of slimes contained was relatively low. This accumulated slimes fraction (now contained in 18 gallon plastic sinks) was allowed to settle overnight then

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the clear supernatant liquor was decanted to waste. The then thickened pulp was thoroughly agitated and sampled (by incremental dips). This sample was filtered and sampled and delivered for assay. The surplus pulp was discarded to waste. The cleaned coarse fraction was transferred to aluminium trays and oven dried.

2. Sizing

The total oven dried product was screened firstly on a laboratory sieve having square apertures of 2mm. The oversize (O/S) was collected for magnetic fractionation on the Rapid Disc Lift Magnet - this product being too coarse for fractionation on the Rotor Type magnet. The finer fraction (-2mm) was then rescreened on another laboratory sieve having square apertures (0.5mm) to give a fine fraction (-2 + 0.5) and the finest fraction (- 0.5 + 0.075) fraction. Because the slimes fraction was recovered by decantation there is a possibility that the finest fraction could well contain some grains finer than 0.075mm (200 mesh). These two fractions "Fines" and "Finest" were then magnetically fractionated on the Reading Induced Roll Magnet (Reading IRM) into a number of fractions as described below.

3. Magnetic fractionation

A. Rapid Disc Magnet (Feed + 2mm)

The belt speed was determined at 33 cm/sec. and was kept constant. Gap was 7mm and constant. The first pass of the product was at zero applied amperage, the non-mags from this pass was re-passed but the application of power was increased to one amperage, the final and third pass was at maximum applied amperage i.e. 2 amps. All three magnetic products and the final non-mags products were collected, weighed and sampled - all surplus products were stored in cardboard cartons now awaiting delivery. The equivalent gauss magnetic units for the above settings is shown in the attached table.

B. Reading Induced Roll Magnet (IRM)
(Feed Fine and finest products)

The rotor type magnet, rotor speeds are shown in the accompanying table. Each sized product was passed through the magnet at varying gap, rotor speed (automatically variable as applied power increases) and applied power - each non-magnetic product. Each product was recovered, weighed, sampled and the surplus stored for future reference - not all boxes of these samples are identified.

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All the data from these tests are shown in the attached tables.



A.F. GRIFFIN.

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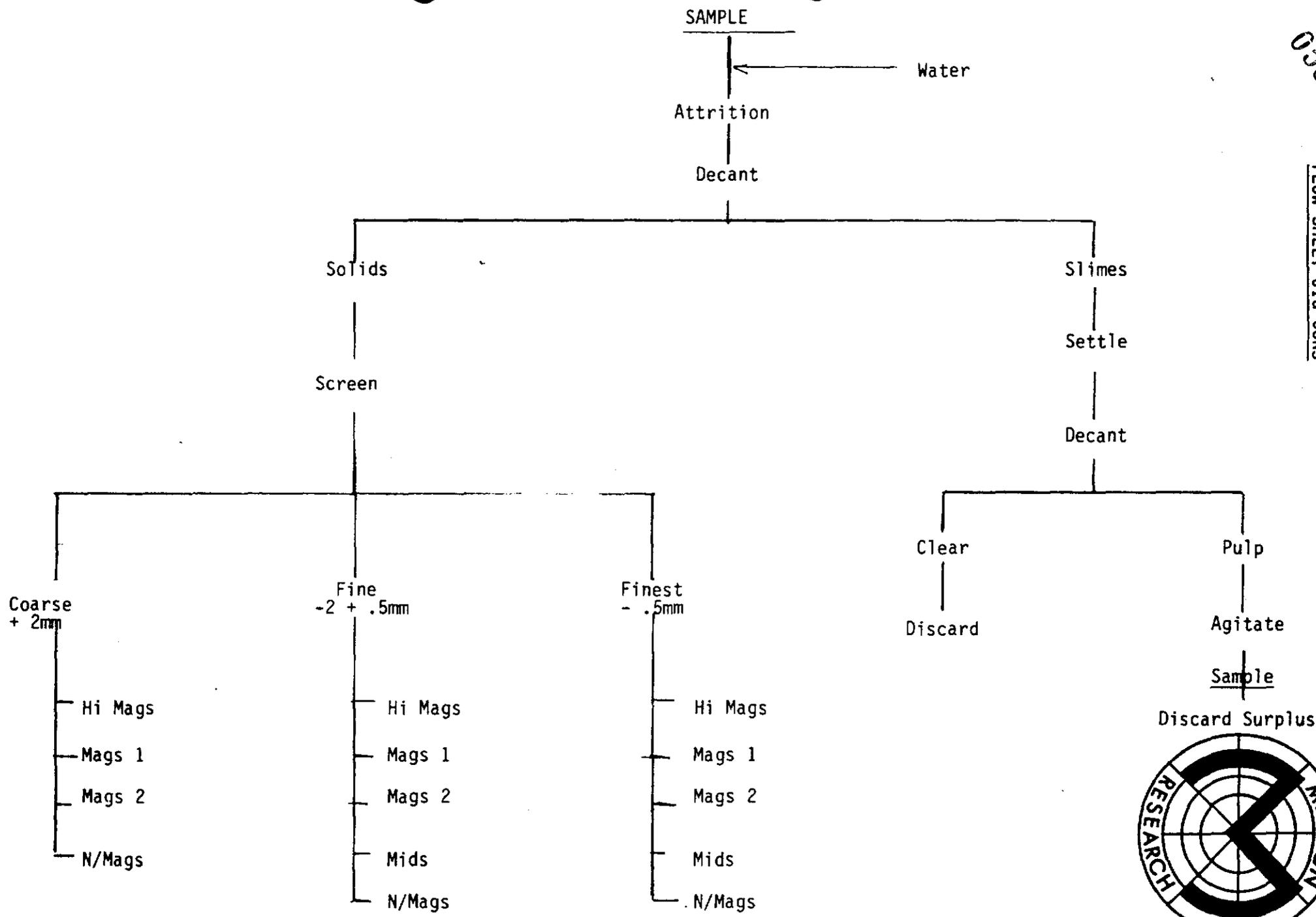
APPLIED POWER & MAGNETIC INTENSITY



| Magnet | Feed | Product | Gap | Amps | Gauss |
|--------|-------------------|---------|-------|------|--------|
| Disc | Coarse (+ 2) | Hi Mags | 0.25" | 0 | ± 1000 |
| | | Mags 1 | 0.25 | 1.0 | 4700 |
| | | 2 | 0.25 | 2.0 | 8900 |
| IRM | Fine (-2 + .5) | Hi Mags | 3/16" | 0 | < 1000 |
| | | Mags 1 | 1/8" | 0 | ± 1000 |
| | | 2 | 1/8" | 3 | 14,000 |
| | | Mids | 1/8" | 6 | 19,000 |
| IRM | Finest (- .5) | Hi Mags | 3/16" | 0 | < 1000 |
| | | Mags 1 | 1/8 | 0 | ± 1000 |
| | | 2 | 1/8 | 3 | 14,000 |
| | | Mids | 1/8 | 6 | 19,000 |

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FLOW SHEET JIG CONS



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APPENDIX 6

Bulk samples

Hutch no. 1 product

Sizing and magnetic fractionation results

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MILKUN NO. 30200, 01, 02

SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 2 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 12.749 | 22.48 | |
| Mags 1 | 9.874 | 17.41 |) 22.32 |
| Mags 2 | 2.786 | 4.91 | |
| N/Mags | 2.766 | 4.88 | |
| | (28.175) | (49.68) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 12.091 | 21.32 | |
| Mags 1 | 5.026 | 8.86 |) 12.72 |
| Mags 2 | 2.190 | 3.86 | |
| Mids | 3.277 | 5.78 |) 15.16 |
| N/Mags | 5.323 | 9.38 | |
| | (27.910) | (49.20) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.123 | 0.22 | |
| Mags 1 | 0.159 | 0.28 |) 0.45 |
| Mags 2 | 0.101 | 0.17 | |
| Mids | --- | --- | |
| N/Mags | 0.254 | 0.45 | 0.45 |
| | (0.637) | (1.12) | |
| TOTAL SAMPLE | (56.72) | (100.0) | |

Total Medium Mags - 35.47

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MICRON No. 38203,04,05

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 3 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|---------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 2.325 | 5.44 | |
| Mags 1 | 2.971 | 6.95 |) 11.82 |
| Mags 2 | 2.082 | 4.87 | |
| N/Mags | 2.603 | 6.01 | |
| | (9.981) | (22.25) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 6.502 | 15.21 | |
| Mags 1 | 5.436 | 12.72 |) 22.21 |
| Mags 2 | 4.056 | 9.49 | |
| Mids | 6.221 | 14.55 |) 32.45 |
| N/Mags | 7.652 | 17.90 | |
| | 29.867 | (69.87) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.151 | 0.35 | |
| Mags 1 | 0.906 | 2.12 |) 4.56 |
| Mags 2 | 1.042 | 2.44 | |
| Mids | — | — | |
| N/Mags | 0.802 | 1.88 | 1.88 |
| | (2.901) | (6.79) | |
| TOTAL SAMPLE | 42.749 | 100.0 | |

38.59

062

845063

MICRON No. 38209, 10, 11

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 4 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 11.493 | 18.38 | |
| Mags 1 | 8.962 | 14.33 |) 24.65 |
| Mags 2 | 6.456 | 10.32 | |
| N/Mags | 5.440 | 8.70 | |
| | (32.351) | (51.73) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 10.171 | 16.26 | |
| Mags 1 | 3.814 | 6.10 |) 9.01 |
| Mags 2 | 1.821 | 2.91 | |
| Mids | 2.880 | 4.60 |) 19.97 |
| N/Mags | 9.615 | 15.37 | |
| | (28.301) | (45.24) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.330 | 0.53 | |
| Mags 1 | 0.241 | 0.38 |) 1.08 |
| Mags 2 | 0.436 | 0.70 | |
| Mids | — | — | |
| N/Mags | 0.883 | 1.41 | 1.41 |
| | (1.890) | (3.02) | |
| TOTAL SAMPLE | 62.542 | 100.0 | |

34.74

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MICRON No. 38151, 52

JIG TEST No. 5 HUTCH 1

063
SIZING MAGNETIC FRACTIONATION.

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 9.560 | 19.86 | |
| Mags 1 | 4.360 | 9.06 | 23.10 |
| Mags 2 | 6.760 | 14.04 | |
| N/Mags | 5.250 | 11.11 | |
| | (26.03) | (54.07) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 9.256 | 19.22 | |
| Mags 1 | 3.136 | 6.51 | 18.55 |
| Mags 2 | 5.795 | 12.04 | |
| Mids | 0.321 | 0.67 | 2.85 |
| N/Mags | 1.048 | 2.18 | |
| | (19.556) | (40.62) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.202 | 0.63 | |
| Mags 1 | 1.224 | 2.54 | 4.54 |
| Mags 2 | 0.965 | 2.00 | |
| Mids | 0.043 | 0.09 | |
| N/Mags | 0.020 | 0.04 | 0.13 |
| | (2.554) | (5.31) | |
| TOTAL SAMPLE | 18.140 | 100.0 | |

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MICRON No. 38160 61

064
SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 6 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 14.076 | 24.07 | |
| Mags 1 | 9.993 | 17.09 |) 26.03 |
| Mags 2 | 5.030 | 8.94 | |
| N/Mags | 2.610 | 4.46 | |
| | (31.709) | (54.22) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 5.682 | 9.72 | |
| Mags 1 | 2.574 | 4.40 |) 12.80 |
| Mags 2 | 4.915 | 8.40 | |
| Mids | 1.488 | 2.54 |) 15.82 |
| N/Mags | 7.763 | 13.28 | |
| | (22.422) | (38.34) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.283 | 0.48 | |
| Mags 1 | 2.606 | 4.46 |) 6.32 |
| Mags 2 | 1.287 | 1.86 | |
| Mids | 0.086 | 0.15 |) 0.64 |
| N/Mags | 0.285 | 0.49 | |
| | (4.347) | (7.44) | |
| TOTAL SAMPLE | 58.478 | 100.0 | |

45.15

~~STEEL~~ MAGNETIC FRACTIONATION

JIG TEST No. 7 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 3.250 | 7.35 | |
| Mags 1 | 4.190 | 27.05 | 27.05 |
| Mags 2 | | | |
| N/Mags | 2.050 | 18.22 | |
| | (15.490) | (35.05) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 1.601 | 3.50 | |
| Mags 1 | 4.576 | 9.99 | 43.62 |
| Mags 2 | 14.971 | 32.69 | |
| Mags 3 | 0.430 | 0.94 | 9.51 |
| Mags | 1.195 | 2.61 | |
| N/Mags | 3.160 | 6.90 | |
| | (25.933) | (56.63) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.619 | 1.35 | |
| Mags 1 | 0.780 | 1.70 | 4.65 |
| Mags 2 | 1.353 | 2.95 | |
| Mags 3 | 0.704 | 1.54 | 2.0 |
| Mags | 0.374 | 0.82 | |
| N/Mags | 0.522 | 1.14 | |
| | (4.372) | (9.52) | |
| TOTAL SAMPLE | 45.715 | 100.0 | |

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MILKUN NO. 00162, 63

SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 8 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 13.559 | 21.48 | |
| Mags 1 | 6.329 | 10.03 | 10.3 |
| Mags 2 | | | |
| N/Mags | 8.097 | 12.83 | |
| | (27.985) | (44.34) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 5.141 | 8.14 | |
| Mags 1 | 5.596 | 8.87 | 14.68 |
| Mags 2 | 3.665 | 5.81 | |
| Mids | 2.944 | 4.66 | 19.88 |
| N/Mags | 9.605 | 15.22 | |
| | (26.951) | (42.70) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 1.652 | 2.62 | |
| Mags 1 | 2.263 | 3.59 | 6.38 |
| Mags 2 | 1.760 | 2.79 | |
| Mids | 0.065 | 0.10 | |
| N/Mags | 2.444 | 3.87 | 3.97 |
| | (8.184) | (12.97) | |
| TOTAL SAMPLE | 63.120 | 100.0 | |

3136

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JIG TEST No. 9 HUTCH 1

SIZING MAGNETIC FRACTIONATION.

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 11.080 | 22.80 | |
| Mags 1 | 3.768 | 7.75 | 14.61 |
| Mags 2 | 3.332 | 6.86 | |
| N/Mags | 3.363 | 6.92 | |
| | (21.543) | (44.33) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 5.317 | 10.94 | |
| Mags 1 | 3.940 | 8.11 | 20.7 |
| Mags 2 | 6.120 | 12.59 | |
| Mids | 1.593 | 3.28 | 3.28 |
| N/Mags | | | |
| | (16.970) | (34.92) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 4.232 | 8.71 | |
| Mags 1 | 2.117 | 4.36 | 8.43 |
| Mags 2 | 1.978 | 4.07 | |
| Mids | 1.110 | 2.28 | |
| N/Mags | 0.650 | 1.34 | 3.62 |
| | (10.087) | (20.75) | |
| TOTAL SAMPLE | 48.600 | 100.0 | |

43.74

845069

508
SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 10 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 2.233 | 6.55 | |
| Mags 1 | 4.032 | 11.82 | 11.82 |
| Mags 2 | | | |
| N/Mags | 1.277 | 3.74 | |
| | (7.542) | (22.11) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 4.203 | 12.32 | |
| Mags 1 | 2.820 | 8.27 | 18.19 |
| Mags 2 | 3.323 | 9.92 | |
| Mids | 2.813 | 8.50 | |
| N/Mags | 7.353 | 21.55 | 30.05 |
| | (20.657) | (60.56) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 1.630 | 4.78 | |
| Mags 1 | 3.634 | 10.65 | 12.70 |
| Mags 2 | 0.700 | 2.05 | |
| Mids | 0.072 | 0.21 | |
| N/Mags | 0.079 | 0.23 | 0.44 |
| | (6.115) | (17.93) | |
| TOTAL SAMPLE | 34.114 | 100.00 | |

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MICRON No. 3817374, 75

 069
 SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 11 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 0.575 | 1.30 | |
| Mags 1 | 1.622 | 3.67 |) 10.78 |
| Mags 2 | 3.140 | 7.11 | |
| N/Mags | 2.153 | 4.87 | |
| | (7.490) | (16.96) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | | | |
| + Mags 1 | 5.659 | 12.81 |) 30.29 |
| Mags $\frac{2}{3}$ | 3.304 | 7.48 | |
| Mags $\frac{1}{3}$ | 4.417 | 10.00 | |
| Mids | 2.133 | 4.83 |) 23.56 |
| N/Mags | 8.275 | 18.73 | |
| | (23.782) | (53.86) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 1.087 | 2.46 | |
| Mags 1 | 3.836 | 8.68 |) 17.43 |
| Mags 2 | 3.265 | 7.35 | |
| Mids | 1.231 | 2.79 |) 9.29 |
| N/Mags | 2.872 | 6.50 | |
| | (12.811) | (29.19) | |
| TOTAL SAMPLE | 44.169 | 100.0 | |

58.5

070

845071

MICRON No. 38218, 19, 20

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 12 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 11.118 | 19.28 | |
| Mags 1 | 7.205 | 12.50 | 15.61 |
| Mags 2 | 1.794 | 3.11 | |
| N/Mags | 3.409 | 5.91 | |
| | (23.526) | (40.80) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 9.696 | 16.82 | |
| Mags 1 | 3.690 | 6.40 | 11.10 |
| Mags 2 | 2.711 | 4.70 | |
| Mids | 1.071 | 1.86 | 11.63 |
| N/Mags | 5.632 | 9.77 | |
| | (22.800) | (39.55) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 5.298 | 7.18 | |
| Mags 1 | 3.842 | 6.66 | 8.20 |
| Mags 2 | 0.887 | 1.54 | |
| Mids | — | — | |
| N/Mags | 1.307 | 2.27 | 2.27 |
| | (11.334) | (19.65) | |
| TOTAL SAMPLE | 57.660 | 100.0 | |

34,81

845072

MICRON No. 38212, 13, 14

071
SIZING MAGNETIC FRACTIONATION

JIG TEST No. 13 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 10.183 | 16.83 | |
| Mags 1 | 10.567 | 17.46 | |
| Mags 2 | 3.055 | 5.05 | 22.51 |
| N/Mags | 1.499 | 2.48 | |
| | (25.304) | (41.82) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 6.969 | 11.52 | |
| Mags 1 | 8.743 | 14.45 | 18.91 |
| Mags 2 | 2.700 | 4.46 | |
| Mids | 2.193 | 3.62 | 8.11 |
| N/Mags | 5.921 | 9.79 | |
| | (26.526) | (43.84) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 2.030 | 3.35 | |
| Mags 1 | 4.094 | 6.77 | 8.62 |
| Mags 2 | 1.121 | 1.85 | |
| Mids | — | — | |
| N/Mags | 1.433 | 2.37 | 2.37 |
| | (8.678) | (14.34) | |
| TOTAL SAMPLE | 60.508 | 100.0 | |

50.03

072

845073

MICRON No. 38215, 16, 17

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 14 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 15.990 | 32.52 | |
| Mags 1 | 5.061 | 10.29 | 13.89 |
| Mags 2 | 1.772 | 3.60 | |
| N/Mags | 3.608 | 7.34 | |
| | (26.431) | (53.75) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 7.152 | 14.55 | |
| Mags 1 | 4.479 | 9.11 | 12.46 |
| Mags 2 | 1.646 | 3.35 | |
| Mids | 1.066 | 2.17 | 12.85 |
| N/Mags | 5.253 | 10.68 | |
| | (19.596) | (39.85) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.757 | 1.54 | |
| Mags 1 | 0.932 | 1.90 | 3.65 |
| Mags 2 | 0.860 | 1.75 | |
| Mids | — | — | |
| N/Mags | 0.594 | 1.21 | 1.21 |
| | (3.143) | (6.40) | |
| TOTAL SAMPLE | 49.170 | 100.0 | |

30.0

073

845074

MICRON No. 38224-25, 26

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 15 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 15.452 | 27.48 | |
| Mags 1 | 12.122 | 21.56 | 31.11 |
| Mags 2 | 5.370 | 9.55 | |
| N/Mags | 3.309 | 5.88 | |
| | (36.253) | (64.47) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 4.466 | 7.94 | |
| Mags 1 | 5.879 | 10.45 | 12.47 |
| Mags 2 | 1.138 | 2.02 | |
| Mids | 1.130 | 2.01 | |
| N/Mags | 5.456 | 9.70 | 11.71 |
| | (18.069) | (32.12) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.466 | 0.83 | |
| Mags 1 | 0.787 | 1.40 | 2.02 |
| Mags 2 | 0.348 | 0.62 | |
| Mids | — | — | |
| N/Mags | 0.312 | 0.55 | 0.55 |
| | (1.913) | (3.40) | |
| TOTAL SAMPLE | 56.325 | 100.0 | |

45.6

845075

MICRON No. 38197, 98, 99

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 16 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 0.630 | 2.41 | |
| Mags 1 | 0.896 | 3.43 |) 15.04 |
| Mags 2 | 3.037 | 11.61 | |
| N/Mags | 0.484 | 1.25 | |
| | (5.047) | (19.30) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 0.822 | 3.37 | |
| Mags 1 | 3.171 | 12.12 |) 27.82 |
| Mags 2 | 4.106 | 15.70 | |
| Mids | 3.843 | 14.69 |) 27.67 |
| N/Mags | 3.396 | 12.98 | |
| | (15.398) | (58.86) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 1.069 | 4.09 | |
| Mags 1 | 2.048 | 7.83 |) 14.9 |
| Mags 2 | 1.848 | 7.07 | |
| Mids | — | — | |
| N/Mags | 0.747 | 2.86 | 2.86 |
| | (5.712) | (21.85) | |
| TOTAL SAMPLE | 26.157 | 100.0 | |

57.76

845076

MICRON No. 38230, 31, 32

SIZING⁰⁷⁵ MAGNETIC FRACTIONATION

JIG TEST No. 17 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 17.736 | 29.26 | |
| Mags 1 | 15.574 | 25.69 |) 31.87 |
| Mags 2 | 3.746 | 6.18 | |
| N/Mags | 3.230 | 5.33 | |
| | (40.286) | (66.46) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 7.635 | 12.59 | |
| Mags 1 | 4.601 | 7.59 |) 10.23 |
| Mags 2 | 1.600 | 2.64 | |
| Mids | 1.972 | 3.25 | |
| N/Mags | 2.795 | 4.61 |) 7.86 |
| | (18.603) | (30.68) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.704 | 1.16 | |
| Mags 1 | 0.510 | 0.84 |) 1.14 |
| Mags 2 | 0.179 | 0.30 | |
| Mids | — | — | |
| N/Mags | 0.342 | 0.58 | 0.58 |
| | (1.735) | (2.88) | |
| TOTAL SAMPLE | 60.624 | 100.0 | |

43.24

845077

MICRON No. 38164, 65, 66

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 18 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 2.545 | 8.28 | |
| Mags 1 | 5.103 | 16.61 |) 24.56 |
| Mags 2 | 2.442 | 7.95 | |
| Mids | 1.680 | 5.47 | |
| N/Mags | 5.417 | 17.63 | |
| | (17.187) | (55.94) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 0.752 | 2.45 | |
| Mags 1 | 1.140 | 3.71 |) 12.14 |
| Mags 2 | 2.590 | 8.43 | |
| Mids | | | |
| N/Mags | 0.289 | 0.94 | 0.94 |
| | (4.771) | (15.53) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 1.392 | 4.53 | |
| Mags 1 | 3.832 | 12.49 |) 17.99 |
| Mags 2 | 1.690 | 5.50 | |
| Mids | 0.470 | 1.53 | |
| N/Mags | 1.322 | 4.50 | 6.03 |
| | (8.772) | (28.53) | |
| TOTAL SAMPLE | 30.730 | 100.0 | |

54.69

845078

MILKUN NO. 20171, 80, 81

SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 19 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 5.076 | 14.92 | |
| Mags 1 | 1.992 | 5.85 |) 16.29 |
| Mags 2 | 3.552 | 10.44 | |
| N/Mags | 1.312 | 3.86 | |
| | (11.932) | (35.07) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 3.204 | 9.42 | |
| Mags 1 | 4.266 | 12.54 |) 19.43 |
| Mags 2 | 2.345 | 6.89 | |
| Mids | 3.605 | 10.59 | |
| N/Mags | 3.896 | 11.45 |) 22.04 |
| | (17.316) | (50.89) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.836 | 2.46 | |
| Mags 1 | 0.978 | 2.87 |) 10.39 |
| Mags 2 | 2.559 | 7.52 | |
| Mids | — | — | |
| N/Mags | 0.405 | 1.19 | 1.19 |
| | (4.778) | (14.04) | |
| TOTAL SAMPLE | 34.026 | 100.0 | |

845079

078

MICRON No. 38221, 22, 23

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 20 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 6.951 | 11.44 | |
| Mags 1 | 20.894 | 34.42 |) 44.51 |
| Mags 2 | 6.125 | 10.09 | |
| N/Mags | 7.229 | 11.91 | |
| | (41.199) | (67.86) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 2.303 | 3.79 | |
| Mags 1 | 3.031 | 4.99 |) 12.83 |
| Mags 2 | 4.762 | 7.84 | |
| Mids | 1.902 | 3.13 |) 12.45 |
| N/Mags | 5.658 | 9.32 | |
| | (17.656) | (29.07) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.194 | 0.32 | |
| Mags 1 | 0.510 | 0.84 |) 2.19 |
| Mags 2 | 0.821 | 1.35 | |
| Mids | — | — | |
| N/Mags | 0.369 | 0.61 | 0.61 |
| | (1.894) | (3.12) | |
| TOTAL SAMPLE | 60.749 | 100.0 | |

59.53

845080

MICRON No. 38185, 86, 87

~~SIZING~~ MAGNETIC FRACTIONATION.

JIG TEST No. 21 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 12.413 | 23.05 | |
| Mags 1 | 4.556 | 8.46 |) 13.7 |
| Mags 2 | 2.819 | 5.24 | |
| N/Mags | 1.570 | 2.92 | |
| | (21.358) | (41.67) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 7.271 | 13.50 | |
| Mags 1 | 6.470 | 12.02 |) 14.94 |
| Mags 2 | 1.573 | 2.92 | |
| Mids | 3.023 | 5.61 |) 14.02 |
| N/Mags | 4.769 | 8.86 | |
| | (23.106) | (42.91) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 1.026 | 1.91 | |
| Mags 1 | 5.991 | 11.13 |) 15.18 |
| Mags 2 | 2.180 | 4.05 | |
| Mids | — | — | |
| N/Mags | 0.181 | 0.34 | 0.34 |
| | (9.378) | (17.43) | |
| TOTAL SAMPLE | 53.842 | 100.0 | |

43.82

845081

MICRON No. 38176, 7778

SIZING 080

MAGNETIC FRACTIONATION

JIG TEST No. 22 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|---------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 7.221 | 13.00 | |
| Mags 1 | 2.987 | 5.37 |) 18.53 |
| Mags 2 | 7.318 | 13.16 | |
| N/Mags | 1.732 | 3.12 | |
| | 19.258 | (34.64) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 5.164 | 9.29 | |
| Mags 1 | 6.521 | 11.71 |) 33.65 |
| Mags 2 | 12.088 | 21.74 | |
| Mids | 0.182 | 1.77 |) 6.2 |
| N/Mags | 2.163 | 4.43 | |
| | 27.318 | (49.14) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.300 | 0.54 | |
| Mags 1 | 4.744 | 8.53 |) 11.73 |
| Mags 2 | 1.780 | 3.20 | |
| Mids | 1.606 | 2.89 |) 3.95 |
| N/Mags | 0.590 | 1.06 | |
| | 9.020 | (16.22) | |
| TOTAL SAMPLE | 55.596 | 100.0 | |

63.9

SIZING

MAGNETIC FRACTIONATION

JIG TEST No. 23 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 13.839 | 23.51 | |
| Mags 1 | 12.587 | 21.39 |) 35.19 |
| Mags 2 | 8.123 | 13.80 | |
| N/Mags | 4.411 | 7.49 | |
| | (38.160) | (66.19) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 4.071 | 6.92 | |
| Mags 1 | 2.608 | 4.43 |) 9.97 |
| Mags 2 | 3.264 | 5.54 | |
| Mids | 1.980 | 3.36 |) 13.36 |
| N/Mags | 5.885 | 10.00 | |
| | (17.998) | (30.26) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.137 | 0.23 | |
| Mags 1 | 0.845 | 1.43 |) 3.03 |
| Mags 2 | 0.939 | 1.60 | |
| Mids | — | — | |
| N/Mags | 0.168 | 0.28 | 0.28 |
| | (2.084) | (3.54) | |
| TOTAL SAMPLE | 58.357 | 100.0 | |

082

845083

MICRON No. 38238, 39, 40

SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 24 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 8.342 | 16.22 | |
| Mags 1 | 2.304 | 4.48 |) 19.27 |
| Mags 2 | 7.608 | 14.79 | |
| N/Mags | 3.424 | 6.66 | |
| | (21.678) | (42.15) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 3.780 | 7.35 | |
| Mags 1 | 4.863 | 9.46 |) 13.58 |
| Mags 2 | 2.121 | 4.12 | |
| Mids | 4.301 | 8.36 | |
| N/Mags | 5.834 | 11.34 |) 19.7 |
| | (20.899) | (40.63) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 2.057 | 4.00 | |
| Mags 1 | 2.767 | 5.38 |) 7.81 |
| Mags 2 | 1.250 | 2.43 | |
| Mids | 1.306 | 2.54 | |
| N/Mags | 1.475 | 2.87 |) 5.41 |
| | (8.855) | (17.22) | |
| TOTAL SAMPLE | 51.432 | 100.0 | |

40.66

083

845084

MICRON No. 3217071,72

SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 25 HUTCH1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 6.323 | 16.83 | |
| Mags 1 | 1.269 | 3.38 |) 12.83 |
| Mags 2 | 3.550 | 1.45 | |
| N/Mags | 3.898 | 10.38 | |
| | (15.040) | (40.04) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 0.850 | 2.26 | |
| Mags 1 | 2.217 | 7.50 |) 17.7 |
| Mags 2 | 3.831 | 10.20 | |
| Mids | 3.045 | 8.10 |) 9.5 |
| N/Mags | 0.530 | 1.41 | |
| | (11.073) | (29.17) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.106 | 0.28 | |
| Mags 1 | 5.332 | 14.20 |) 19.43 |
| Mags 2 | 1.965 | 5.23 | |
| Mids | 0.656 | 1.75 | |
| N/Mags | 3.329 | 9.03 |) 10.78 |
| | (1.448) | (3.49) | |
| TOTAL SAMPLE | 37.561 | 100.0 | |

49.96

845085

MICRON No. 38155, 56

SIZING MAGNETIC FRACTIONATION.

JIG TEST No. 26 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 10.760 | 15.91 | |
| Mags 1 | 10.313 | 15.25 | 15.25 |
| Mags 2 | | | |
| N/Mags | 8.805 | 13.02 | |
| | (29.878) | (44.18) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 6.594 | 9.75 | |
| Mags 1 | 5.802 | 8.58 |) 21.68 |
| Mags 2 | 8.861 | 13.10 | |
| Mids | 3.014 | 4.46 |) |
| N/Mags | 4.746 | 7.02 |) 11.48 |
| | (29.017) | (42.90) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.962 | 1.42 | |
| Mags 1 | 5.814 | 8.60 |) 11.27 |
| Mags 2 | 1.805 | 2.67 | |
| Mids | 0.007 | 0.01 | |
| N/Mags | 0.149 | 0.22 |) |
| | (8.737) | 2.92 |) 3.14 |
| TOTAL SAMPLE | 67.632 | 100.0 | |

48.2

845086

MICRON No. 38191, 92, 93

⁰⁸⁵
 SIZING MAGNETIC FRACTIONATION

JIG TEST No. 27 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 7.722 | 15.60 | |
| Mags 1 | 8.720 | 17.61 | 22.02 |
| Mags 2 | 2.185 | 4.41 | |
| N/Mags | 4.243 | 8.57 | |
| | 22.870 | (46.19) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 7.727 | 15.61 | |
| Mags 1 | 2.155 | 4.35 |) 10.95 |
| Mags 2 | 3.270 | 6.60 | |
| Mids | 2.705 | 5.46 |) 10.02 |
| N/Mags | 2.259 | 4.56 | |
| | (18.117) | (36.58) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 3.920 | 7.92 | |
| Mags 1 | 2.341 | 4.73 |) 8.46 |
| Mags 2 | 1.845 | 3.73 | |
| Mids | — | — | |
| N/Mags | 0.420 | 0.85 | 0.85 |
| | (8.526) | (17.23) | |
| TOTAL SAMPLE | 49.513 | 100.0 | |

41.43

845087

MICRON No. 38194, 95, 96

 086
 SIZING MAGNETIC FRACTIONATION

JIG TEST No. 28 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|-------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 10.183 | 17.56 | |
| Mags 1 | 8.044 | 13.27 | 18.37 |
| Mags 2 | 2.607 | 4.50 | |
| N/Mags | 2.735 | 4.72 | |
| | (23.567) | (40.65) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 10.115 | 17.44 | |
| Mags 1 | 4.302 | 7.42 | 14.48 |
| Mags 2 | 4.093 | 7.06 | |
| Mids | 2.720 | 4.69 | |
| N/Mags | 5.377 | 9.27 | 13.96 |
| | (26.607) | (45.88) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 2.691 | 4.64 | |
| Mags 1 | 2.931 | 5.05 | 7.38 |
| Mags 2 | 1.349 | 2.33 | |
| Mids | — | — | |
| N/Mags | 0.213 | 0.36 | 1.45 |
| | (7.814) | (13.47) | |
| TOTAL SAMPLE | 57.990 | 100.0 | |

40.23

087

845088

MICRON No. 38188, 89, 90

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 29 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 10.205 | 19.20 | |
| Mags 1 | 7.785 | 14.65 |) 20.69 |
| Mags 2 | 3.208 | 6.04 | |
| N/Mags | 3.310 | 6.23 | |
| | (24.508) | (46.12) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 8.629 | 16.24 | |
| Mags 1 | 6.590 | 12.40 |) 17.38 |
| Mags 2 | 2.116 | 3.98 | |
| Mids | 3.060 | 5.76 |) 16.8 |
| N/Mags | 5.867 | 11.04 | |
| | (26.262) | (49.42) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 0.215 | 0.40 | |
| Mags 1 | 1.474 | 2.77 |) 3.72 |
| Mags 2 | 0.507 | 0.95 | |
| Mids | — | — | |
| N/Mags | 0.181 | 0.34 | 0.34 |
| | (2.377) | (4.46) | |
| TOTAL SAMPLE | 53.147 | 100.0 | |

41.79

088

845089

MICRON No. 38235, 36, 37

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 30 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|--------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 1.808 | 4.86 | |
| Mags 1 | 1.193 | 3.20 |) 5.14 |
| Mags 2 | 0.722 | 1.94 | |
| N/Mags | 0.322 | 0.86 | |
| | (4.045) | (10.86) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 9.667 | 25.97 | |
| Mags 1 | 1.181 | 3.17 |) 6.05 |
| Mags 2 | 1.071 | 2.88 | |
| Mids | 0.456 | 1.23 |) 4.33 |
| N/Mags | 1.152 | 3.10 | |
| | (13.527) | (36.35) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 16.292 | 43.77 | |
| Mags 1 | 2.102 | 5.65 |) 7.56 |
| Mags 2 | 0.711 | 1.91 | |
| Mids | — | — | |
| N/Mags | 0.543 | 1.46 | 1.46 |
| | (19.648) | (52.79) | |
| | 37.220 | 100.0 | |

19.75

845090

089

MICRON No. 38206, 07, 08

SIZING MAGNETIC FRACTIONATION

JIG TEST No. 31 HUTCH 1

| PRODUCTS | WEIGHTS | | |
|---------------------|----------|---------|---------|
| | Kg | % | |
| COARSE (+2mm) | | | |
| Hi Mags | 7.133 | 12.37 | |
| Mags 1 | 7.359 | 12.76 |) 17.26 |
| Mags 2 | 2.595 | 4.50 | |
| N/Mags | 1.530 | 2.65 | |
| | (18.617) | (32.28) | |
| FINE (-2mm + 0.5mm) | | | |
| Hi Mags | 10.101 | 17.51 | |
| Mags 1 | 5.074 | 8.80 |) 11.08 |
| Mags 2 | 1.316 | 2.28 | |
| Mids | 2.225 | 3.86 |) 11.52 |
| N/Mags | 4.417 | 7.66 | |
| | (23.133) | (40.11) | |
| FINEST (-0.5mm) | | | |
| Hi Mags | 7.139 | 12.84 | |
| Mags 1 | 2.958 | 5.13 |) 10.07 |
| Mags 2 | 2.250 | 3.94 | |
| Mids | — | — | |
| N/Mags | 0.984 | 1.71 | 1.71 |
| | (15.931) | (27.62) | |
| TOTAL SAMPLE | 42.749 | 100.0 | |

38, 41

090

845091

APPENDIX 7

Bulk samples

Hutch no. 2 and 3 product

Sizing and magnetic fractionation results

091

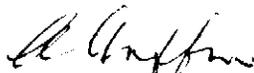
MICRON RESEARCH (W.A.)

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649****METALLURGICAL
SERVICES
LABORATORY**LABORATORY: Phone 446 8225
UNIT 7,14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 601713th October, 1987
AFG:ABGThe Manager,
Callina Mining,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151re: Micron Report No. 1457 (3)
Processing of Jig Hutch 2 & 3 products - "B"

A total of 29 bulk products (No. 26B was not received) were progressively delivered to the laboratory with instructions to process as the Hutch No. 1 samples. These samples were generally larger than the No. 1 Hutch products but contained significantly more slimes necessitating a more prolonged attritioning and water washing to eliminate the clays. These clays were accumulated in large (18 gallon) plastic containers, allowed to settle and the supernatant clean liquor syphoned to waste. The settled thickened slimes were agitated and sampled for assay after being filtered under pressure. The surplus slimes were finally discarded. The processing of the deslimed fraction was as described in Report No. 1457 (1) issued 6 August.

The data developed in the processing of 29 such samples are attached.


A.F. GRIFFIN

092

845093

MICRON RESEARCH (W.A.)

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649**

**METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,

14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

23rd November, 1987
AFG:ABG

The Manager,
Callina Mining N.L.,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1457 (5)
Processing of jig Hutch 2 + 3 products 'B'

The processing of the last three samples (since 13 October) was delayed while the drill samples were processed. This work has been completed by exactly the same procedure as described in previous reports.

These data are attached and the products and samples are available at Micron Research.

The twentynine 'B' data was attached to our Report No. 1457(3) issued on 13 October, 1987.

A.F. GRIFFIN

093

JIG TESTS HUTCH 2 + 3

845094

No. 25



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 2.950 | 7.99 | |
| 1 | 0.570 | 1.57 | |
| 2 | 1.080 | 2.93 | |
| N/Mags | 3.960 | 10.73 | |
| | 8.560 | 23.22 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 5.561 | 15.07 | |
| 1 | 2.463 | 6.67 | |
| 2 | 2.348 | 6.36 | |
| Mids | 4.014 | 10.87 | |
| N/Mags | 5.713 | 15.48 | |
| | 20.099 | 54.45 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 3.132 | 8.49 | |
| 1 | 2.500 | 6.77 | |
| 2 | 0.950 | 2.57 | |
| Mids | 0.566 | 1.53 | |
| N/Mags | 1.095 | 2.97 | |
| | 8.243 | 22.33 | |
| Total | 36.902 | 100.00 | |

COMMENTS:

1. Slimes sample only

094

JIG TESTS HUTCH 2 + 3

845095



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 0.936 | 2.27 | |
| 1 | 1.477 | 3.58 | |
| 2 | 0.908 | 2.20 | |
| N/Mags | 6.279 | 15.21 | |
| | 9.600 | 23.26 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.182 | 5.29 | |
| 1 | 5.512 | 13.35 | |
| 2 | 5.050 | 12.24 | |
| Mids | 4.551 | 11.03 | |
| N/Mags | 7.033 | 17.04 | |
| | 24.328 | 58.95 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 2.990 | 7.24 | |
| 1 | 2.096 | 5.08 | |
| 2 | 0.757 | 1.83 | |
| Mids | 0.628 | 1.52 | |
| N/Mags | 0.876 | 2.12 | |
| | 7.347 | 17.79 | |
| Total | 41.275 | 100.00 | |
| COMMENTS: | | | |

- Slimes sample only

095

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 12.172 | 19.78 | |
| 1 | 4.328 | 7.03 | |
| 2 | 7.653 | 12.44 | |
| N/Mags | 6.160 | 10.02 | |
| | 30.313 | 49.27 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 8.667 | 14.09 | |
| 1 | 4.063 | 6.60 | |
| 2 | 6.631 | 10.78 | |
| Mids | 0.860 | 1.40 | |
| " N/Mags | 6.050 | 9.83 | |
| | 26.271 | 42.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.834 | 1.36 | |
| 1 | 1.929 | 3.14 | |
| 2 | 1.534 | 2.49 | |
| Mids | 0.329 | 0.53 | |
| N/Mags | 0.316 | 0.51 | |
| | 4.942 | 8.03 | |
| Total | 61.526 | 100.00 | |

COMMENTS:

- Slimes sample only

096

JIG TESTS HUTCH 2 + 3

845097



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 4.343 | 9.42 | |
| 1 | 2.123 | 4.60 | |
| 2 | 1.495 | 3.24 | |
| N/Mags | 4.794 | 10.39 | |
| | 12.755 | 27.65 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 6.591 | 14.29 | |
| 1 | 3.096 | 6.71 | |
| 2 | 1.243 | 2.69 | |
| Mids | 2.306 | 5.00 | |
| N/Mags | 7.557 | 16.39 | |
| | 20.795 | 45.08 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 5.114 | 11.09 | |
| 1 | 4.895 | 10.61 | |
| 2 | 1.662 | 3.60 | |
| Mids | 0.376 | 0.81 | |
| N/Mags | 0.526 | 1.14 | |
| | 12.573 | 27.25 | |
| Total | 46.123 | 100.00 | |

COMMENTS:

1. Slimes sample only

097

JIG TESTS HUTCH 2 + 3

845098

No. 65



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 10.906 | 19.82 | |
| 1 | 9.617 | 17.48 | |
| 2 | 2.755 | 5.00 | |
| N/Mags | 2.664 | 4.84 | |
| | 25.942 | 47.14 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.976 | 5.41 | |
| 1 | 4.888 | 8.88 | |
| 2 | 3.872 | 7.04 | |
| Mids | 2.061 | 3.74 | |
| N/Mags | 4.862 | 8.84 | |
| | 18.659 | 33.91 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.364 | 2.48 | |
| 1 | 3.965 | 7.21 | |
| 2 | 2.854 | 5.19 | |
| Mids | 0.882 | 1.60 | |
| N/Mags | 1.363 | 2.48 | |
| | 10.428 | 18.95 | |
| Total | 55.029 | 100.00 | |

COMMENTS:

- Slimes sample only

098

JIG TESTS HUTCH 2 + 3

845099

NO. TD



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 5.570 | 11.69 | |
| 1 | 3.804 | 7.98 | |
| 2 | 4.634 | 9.73 | |
| N/Mags | 4.916 | 10.32 | |
| | 18.924 | 39.72 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.627 | 1.32 | |
| 1 | 0.585 | 1.23 | |
| 2 | 2.426 | 5.09 | |
| Mids | 4.162 | 8.74 | |
| N/Mags | 6.044 | 12.69 | |
| | 13.844 | 29.07 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.583 | 3.32 | |
| 1 | 3.293 | 6.91 | |
| 2 | 2.506 | 5.26 | |
| Mids | 1.877 | 3.94 | |
| N/Mags | 5.619 | 11.79 | |
| | 14.878 | 31.22 | |
| Total | 47.646 | 100.00 | |

COMMENTS:

- Slimes sample only

099



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 5.591 | 10.87 | |
| 1 | 3.234 | 6.29 | |
| 2 | 2.207 | 4.29 | |
| N/Mags | 5.581 | 10.85 | |
| | 16.613 | 32.30 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 7.201 | 14.01 | |
| 1 | 3.556 | 6.92 | |
| 2 | 2.209 | 4.30 | |
| Mids | 4.273 | 8.31 | |
| N/Mags | 6.418 | 12.48 | |
| | 23.657 | 46.02 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 2.743 | 5.34 | |
| 1 | 5.404 | 10.51 | |
| 2 | 2.086 | 4.06 | |
| Mids | 0.335 | 0.65 | |
| N/Mags | 0.577 | 1.12 | |
| | 11.145 | 21.68 | |
| Total | 51.415 | 100.00 | |

COMMENTS:

1. Slimes sample only

100



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 6.484 | 16.12 | |
| 1 | 2.574 | 6.40 | |
| 2 | 1.662 | 4.13 | |
| N/Mags | 5.121 | 12.73 | |
| | 15.841 | 39.38 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 5.992 | 14.90 | |
| 1 | 2.419 | 6.01 | |
| 2 | 0.827 | 2.06 | |
| Mids | 2.646 | 6.13 | |
| N/Mags | 5.053 | 12.56 | |
| | 16.757 | 41.66 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 2.935 | 7.30 | |
| 1 | 2.391 | 5.94 | |
| 2 | 1.754 | 4.36 | |
| Mids | 0.211 | 0.52 | |
| N/Mags | 0.332 | 0.83 | |
| | 7.623 | 18.95 | |
| Total | 40.221 | 100.00 | |

COMMENTS:

1. Slimes sample only

101

845102

No. 108

JIG TESTS HUTCH 2 + 3

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 1.620 | 4.55 | |
| 1 | 0.686 | 1.93 | |
| 2 | 0.957 | 2.69 | |
| N/Mags | 3.205 | 8.99 | |
| | 6.468 | 18.16 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.434 | 6.83 | |
| 1 | 2.878 | 8.08 | |
| 2 | 4.648 | 13.04 | |
| Mids | 3.531 | 9.91 | |
| N/Mags | 5.662 | 15.89 | |
| | 19.153 | 53.75 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.324 | 3.72 | |
| 1 | 3.154 | 8.85 | |
| 2 | 4.099 | 11.50 | |
| Mids | 0.639 | 1.79 | |
| N/Mags | 0.797 | 2.24 | |
| | 10.013 | 28.10 | |
| Total | 35.634 | 100.00 | |

COMMENTS:

- Slimes sample only

102

JIG TESTS HUTCH 2 + 3

845103

No. 11 B



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 0.419 | 1.51 | |
| 1 | 0.139 | 0.50 | |
| 2 | 1.511 | 5.45 | |
| N/Mags | 3.813 | 13.75 | |
| | 5.882 | 21.21 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.136 | 0.49 | |
| 1 | 1.747 | 6.30 | |
| 2 | 1.244 | 4.49 | |
| Mids | 3.157 | 11.39 | |
| N/Mags | 4.173 | 15.05 | |
| | 10.457 | 37.72 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 3.445 | 12.42 | |
| 1 | 3.371 | 12.16 | |
| 2 | 2.305 | 8.31 | |
| Mids | 0.905 | 3.26 | |
| N/Mags | 1.363 | 4.93 | |
| | 11.389 | 41.07 | |
| Total | 27.728 | 100.00 | |

COMMENTS:

1. Slimes sample only

103

JIG TESTS HUTCH 2 + 3

845104

No. 128

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 9.040 | 25.19 | |
| 1 | 3.455 | 9.66 | |
| 2 | 3.025 | 8.43 | |
| N/Mags | 1.267 | 3.53 | |
| | 16.787 | 46.81 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 4.078 | 11.36 | |
| 1 | 2.642 | 7.36 | |
| 2 | 1.526 | 4.25 | |
| Mids | 1.928 | 5.37 | |
| N/Mags | 2.348 | 6.54 | |
| | 12.522 | 34.80 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.289 | 3.59 | |
| 1 | 1.646 | 4.59 | |
| 2 | 1.845 | 5.14 | |
| Mids | 0.808 | 2.28 | |
| N/Mags | 0.974 | 2.71 | |
| | 6.562 | 18.28 | |
| Total | 35.871 | 100.00 | |

COMMENTS:

- Slimes sample only

104

JIG TESTS HUTCH 2 + 3

845105

No. 13 B



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 8.629 | 16.18 | |
| 1 | 3.969 | 7.44 | |
| 2 | 1.515 | 2.84 | |
| N/Mags | 4.868 | 9.13 | |
| | 18.981 | 35.59 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 7.322 | 13.73 | |
| 1 | 2.453 | 4.60 | |
| 2 | 2.229 | 4.18 | |
| Mids | 3.003 | 5.63 | |
| N/Mags | 5.917 | 11.09 | |
| | 20.924 | 39.23 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 2.509 | 4.70 | |
| 1 | 6.607 | 12.39 | |
| 2 | 2.600 | 4.87 | |
| Mids | 0.803 | 1.51 | |
| N/Mags | 0.910 | 1.71 | |
| | 13.429 | 25.18 | |
| Total | 53.334 | 100.00 | |

COMMENTS:

1. Slimes sample only

105

JIG TESTS HUTCH 2 + 3

845106

No. 14 B



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 10.883 | 20.11 | |
| 1 | 6.200 | 11.46 | |
| 2 | 1.270 | 2.35 | |
| N/Mags | 5.242 | 9.69 | |
| | 23.595 | 43.61 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 9.635 | 17.80 | |
| 1 | 3.182 | 5.88 | |
| 2 | 1.541 | 2.85 | |
| Mids | 3.636 | 6.72 | |
| N/Mags | 3.990 | 7.37 | |
| | 21.984 | 40.62 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.172 | 2.17 | |
| 1 | 4.545 | 8.40 | |
| 2 | 1.633 | 3.02 | |
| Mids | 0.648 | 1.20 | |
| N/Mags | 0.541 | 1.00 | |
| | 8.537 | 15.79 | |
| Total | 54.118 | 100.00 | |

COMMENTS:

1. Slimes sample only

106

JIG TESTS HUTCH 2 + 3

845107

No. 15 B



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 9.892 | 17.95 | |
| 1 | 14.279 | 25.92 | |
| 2 | 3.028 | 5.50 | |
| N/Mags | 3.941 | 7.15 | |
| | 31.140 | 56.52 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 5.048 | 9.16 | |
| 1 | 3.315 | 6.02 | |
| 2 | 4.707 | 8.55 | |
| Mids | 2.456 | 4.46 | |
| N/Mags | 4.505 | 8.12 | |
| | 20.032 | 36.37 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.422 | 0.77 | |
| 1 | 1.411 | 2.56 | |
| 2 | 0.465 | 0.84 | |
| Mids | 0.642 | 1.17 | |
| N/Mags | 0.923 | 1.68 | |
| | 3.863 | 7.02 | |
| Total (+ 0.5mm) | 55.036 | 100.00 | |

COMMENTS:

1. Slimes sample only

107



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 0.500 | 2.36 | |
| 1 | 0.580 | 2.74 | |
| 2 | 0.194 | 0.92 | |
| N/Mags | 2.243 | 10.60 | |
| | 3.517 | 16.62 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.574 | 2.71 | |
| 1 | 2.455 | 11.61 | |
| 2 | 1.390 | 6.57 | |
| Mids | 3.765 | 17.80 | |
| " N/Mags | 2.701 | 12.77 | |
| | 10.885 | 51.46 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 2.282 | 10.79 | |
| 1 | 2.114 | 9.99 | |
| 2 | 1.336 | 6.46 | |
| Mids | 0.510 | 2.55 | |
| N/Mags | 0.450 | 2.13 | |
| | 6.752 | 31.92 | |
| Total | 21.154 | 100.00 | |

COMMENTS:

1. Slimes sample only

108



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 17.484 | 28.85 | |
| 1 | 10.977 | 18.12 | |
| 2 | 3.326 | 5.57 | |
| N/Mags | 5.257 | 8.68 | |
| | 37.104 | 61.21 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 9.955 | 16.43 | |
| 1 | 3.301 | 5.45 | |
| 2 | 2.033 | 3.36 | |
| Mids | 1.210 | 2.05 | |
| N/Mags | 5.180 | 8.55 | |
| | 21.709 | 35.84 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.205 | 0.34 | |
| 1 | 0.857 | 1.41 | |
| 2 | 0.546 | 0.90 | |
| Mids | 0.089 | 0.15 | |
| N/Mags | 0.085 | 0.14 | |
| | 1.782 | 2.94 | |
| Total | 60.595 | 100.00 | |

COMMENTS:

- Slimes sample only

109

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 0.973 | 4.93 | |
| 1 | 0.446 | 2.26 | |
| 2 | 1.278 | 6.48 | |
| N/Mags | 1.605 | 8.14 | |
| | 4.302 | 21.81 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.975 | 4.94 | |
| 1 | 1.201 | 6.09 | |
| 2 | 3.149 | 15.97 | |
| Mids | 1.467 | 7.45 | |
| N/Mags | 1.362 | 6.91 | |
| | 8.156 | 41.36 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.491 | 7.56 | |
| 1 | 4.001 | 20.27 | |
| 2 | 0.676 | 3.43 | |
| Mids | 0.592 | 3.00 | |
| N/Mags | 0.500 | 2.54 | |
| | 7.260 | 36.82 | |
| Total | 19.718 | 100.00 | |

COMMENTS:

- Slimes sample only

110

JIG TESTS HUTCH 2 + 3

845111

No. 198



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 0.503 | 2.20 | |
| 1 | 0.250 | 1.09 | |
| 2 | 0.524 | 2.29 | |
| N/Mags | 2.330 | 10.20 | |
| | 3.607 | 15.78 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.461 | 6.40 | |
| 1 | 1.936 | 8.48 | |
| 2 | 0.766 | 3.50 | |
| Mids | 2.339 | 10.24 | |
| N/Mags | 4.149 | 18.17 | |
| | 10.684 | 46.79 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.910 | 8.36 | |
| 1 | 4.028 | 17.64 | |
| 2 | 1.206 | 5.28 | |
| Mids | 0.597 | 2.61 | |
| N/Mags | 0.806 | 3.53 | |
| | 8.547 | 37.42 | |
| Total | 22.838 | 100.00 | |

COMMENTS:

1. Slimes sample only

111

JIG TESTS HUTCH 2 + 3

845112

NO. 2010



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 8.373 | 13.37 | |
| 1 | 15.411 | 24.60 | |
| 2 | 6.141 | 9.80 | |
| N/Mags | 8.610 | 13.74 | |
| | 38.535 | 61.51 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 6.042 | 9.64 | |
| 1 | 4.654 | 7.43 | |
| 2 | 2.315 | 3.70 | |
| Mids | 2.786 | 4.45 | |
| N/Mags | 5.564 | 8.88 | |
| | 21.361 | 34.10 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.522 | 0.83 | |
| 1 | 0.692 | 1.10 | |
| 2 | 0.720 | 1.15 | |
| Mids | 0.430 | 0.69 | |
| N/Mags | 0.384 | 0.61 | |
| | 2.748 | 4.38 | |
| Total | 62.644 | 100.00 | |
| COMMENTS: | | | |

1. Slimes sample only

112

JIG TESTS HUTCH 2 + 3

845113 No. 21 B



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 4.070 | 8.44 | |
| 1 | 8.515 | 17.66 | |
| 2 | 1.823 | 3.78 | |
| N/Mags | 4.104 | 8.51 | |
| | 18.512 | 38.40 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 5.606 | 11.63 | |
| 1 | 2.260 | 4.68 | |
| 2 | 2.834 | 5.87 | |
| Mids | 2.347 | 4.86 | |
| N/Mags | 3.152 | 6.55 | |
| | 16.205 | 33.62 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 3.435 | 7.12 | |
| 1 | 6.210 | 12.88 | |
| 2 | 2.902 | 6.02 | |
| Mids | 0.470 | 0.98 | |
| N/Mags | 0.464 | 0.96 | |
| | 13.481 | 27.97 | |
| Total | 48.198 | 100.00 | |

COMMENTS:

1. Slimes sample only

113

JIG TESTS HUTCH 2 + 3

845114

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 5.820 | 10.21 | |
| 1 | 5.713 | 10.02 | |
| 2 | 1.896 | 3.31 | |
| N/Mags | 8.168 | 14.32 | |
| | 21.591 | 37.86 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.233 | 3.92 | |
| 1 | 4.019 | 7.05 | |
| 2 | 2.271 | 3.98 | |
| Mids | 5.203 | 9.12 | |
| N/Mags | 4.643 | 8.14 | |
| | 18.367 | 32.21 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 3.691 | 6.47 | |
| 1 | 9.892 | 17.35 | |
| 2 | 1.171 | 2.05 | |
| Mids | 0.760 | 1.33 | |
| N/Mags | 1.550 | 2.72 | |
| | 17.064 | 29.92 | |
| Total | 57.024 | 100.00 | |

COMMENTS:

1. Slimes sample only



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 14.942 | 25.18 | |
| 1 | 9.498 | 16.01 | |
| 2 | 3.662 | 6.17 | |
| N/Mags | 11.775 | 19.84 | |
| | 39.877 | 67.20 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 4.827 | 8.15 | |
| 1 | 2.394 | 4.02 | |
| 2 | 0.905 | 1.53 | |
| Mids | 3.164 | 5.33 | |
| N/Mags | 4.002 | 6.75 | |
| | 15.302 | 25.79 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.467 | 0.79 | |
| 1 | 1.385 | 2.33 | |
| 2 | 1.151 | 1.94 | |
| Mids | 0.659 | 1.11 | |
| N/Mags | 0.501 | 0.84 | |
| | 4.163 | 7.01 | |
| Total | 59.343 | 100.00 | |

COMMENTS:

1. Slimes sample only

115



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 5.876 | 11.16 | |
| 1 | 6.824 | 12.96 | |
| 2 | 3.182 | 6.04 | |
| N/Mags | 8.544 | 16.23 | |
| | 24.426 | 46.37 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.980 | 5.66 | |
| 1 | 2.514 | 4.77 | |
| 2 | 2.896 | 5.50 | |
| Mids | 2.971 | 5.64 | |
| N/Mags | 2.833 | 5.38 | |
| | 14.194 | 26.95 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 2.912 | 5.53 | |
| 1 | 7.043 | 13.38 | |
| 2 | 2.081 | 3.95 | |
| Mids | 0.965 | 1.83 | |
| N/Mags | 1.029 | 1.95 | |
| | 14.030 | 26.64 | |
| Total | 52.650 | 100.00 | |

COMMENTS:

1. Slimes sample only

116



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 2.900 | 6.79 | |
| 1 | 1.406 | 3.29 | |
| 2 | 2.265 | 5.30 | |
| N/Mags | 9.836 | 23.03 | |
| | 16.407 | 38.41 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.491 | 1.15 | |
| 1 | 1.290 | 3.02 | |
| 2 | 1.039 | 2.43 | |
| Mids | 2.217 | 5.19 | |
| N/Mags | 2.059 | 4.82 | |
| | 7.096 | 16.61 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.784 | 4.18 | |
| 1 | 4.468 | 10.46 | |
| 2 | 2.705 | 6.33 | |
| Mids | 0.786 | 1.84 | |
| N/Mags | 9.457 | 22.15 | |
| | 19.200 | 44.96 | |
| Total | 42.703 | 100.00 | |

COMMENTS:

1. Slimes sample only

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 3.856 | 7.60 | |
| 1 | 2.216 | 4.37 | |
| 2 | 3.880 | 7.65 | |
| N/Mags | 5.057 | 9.96 | |
| | 15.009 | 29.57 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 3.715 | 7.32 | |
| 1 | 3.914 | 7.71 | |
| 2 | 9.294 | 18.31 | |
| Mids | 4.444 | 8.76 | |
| N/Mags | 6.296 | 12.41 | |
| | 27.663 | 54.51 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.340 | 0.67 | |
| 1 | 1.470 | 2.90 | |
| 2 | 2.270 | 4.47 | |
| Mids | 1.697 | 3.34 | |
| N/Mags | 2.303 | 4.54 | |
| | 8.080 | 15.92 | |
| Total | 50.752 | 100.00 | |

COMMENTS:

1. Slimes sample only

118

JIG TESTS HUTCH 2 + 3

845119

No. 27 B

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 6.235 | 13.43 | |
| 1 | 4.666 | 10.05 | |
| 2 | 1.907 | 4.11 | |
| N/Mags | 8.292 | 17.86 | |
| | 21.100 | 45.46 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.357 | 5.08 | |
| 1 | 2.570 | 5.54 | |
| 2 | 1.540 | 3.32 | |
| Mids | 1.646 | 3.55 | |
| N/Mags | 3.500 | 7.54 | |
| | 11.613 | 25.02 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 6.327 | 13.63 | |
| 1 | 3.684 | 7.94 | |
| 2 | 2.036 | 4.39 | |
| Mids | 0.614 | 1.32 | |
| N/Mags | 1.036 | 2.23 | |
| | 13.697 | 29.51 | |
| Total | 46.410 | 100.00 | |

COMMENTS:

- Slimes sample only

119

JIG TESTS HUTCH 2 + 3

845120

No. 28 B



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 3.794 | 10.05 | |
| 1 | 2.393 | 6.34 | |
| 2 | 2.235 | 5.92 | |
| N/Mags | 4.402 | 11.66 | |
| | 12.824 | 33.97 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 5.702 | 15.10 | |
| 1 | 4.339 | 11.49 | |
| 2 | 1.272 | 3.37 | |
| Mids | 1.634 | 4.33 | |
| N/Mags | 4.079 | 10.80 | |
| | 17.026 | 45.09 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 3.398 | 9.00 | |
| 1 | 1.636 | 4.33 | |
| 2 | 1.622 | 4.30 | |
| Mids | 0.541 | 1.43 | |
| N/Mags | 0.707 | 1.87 | |
| | 7.904 | 20.93 | |
| Total | 37.754 | 100.00 | |

COMMENTS:

1. Slimes sample only

120

845121

No. 298

JIG TESTS HUTCH 2 + 3

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 7.348 | 14.94 | |
| 1 | 7.621 | 15.49 | |
| 2 | 1.941 | 3.95 | |
| N/Mags | 6.234 | 12.67 | |
| | 23.144 | 47.05 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 6.659 | 13.54 | |
| 1 | 2.922 | 5.94 | |
| 2 | 2.823 | 5.74 | |
| Mids | 3.178 | 6.46 | |
| N/Mags | 5.858 | 11.91 | |
| | 21.440 | 43.59 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.866 | 1.76 | |
| 1 | 1.668 | 3.39 | |
| 2 | 1.218 | 2.48 | |
| Mids | 0.327 | 0.66 | |
| N/Mags | 0.532 | 1.08 | |
| | 4.611 | 9.37 | |
| Total | 49.195 | 100.00 | |

COMMENTS:

- Slimes sample only

121

JIG TESTS HUTCH 2 + 3

845122

No. 308



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 4.442 | 15.96 | |
| 1 | 2.203 | 7.91 | |
| 2 | 1.753 | 6.29 | |
| N/Mags | 1.054 | 3.78 | |
| | 9.452 | 33.94 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.210 | 7.93 | |
| 1 | 1.266 | 4.54 | |
| 2 | 0.885 | 3.18 | |
| Mids | 0.886 | 3.11 | |
| N/Mags | 1.137 | 4.08 | |
| | 6.364 | 22.84 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 9.015 | 32.36 | |
| 1 | 1.566 | 5.41 | |
| 2 | 1.263 | 4.53 | |
| Mids | — | — | |
| N/Mags | 0.258 | 0.93 | |
| | 12.042 | 43.23 | |
| Total | 27.858 | 100.00 | |

COMMENTS:

1. Slimes sample only

122



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | 8.216 | 14.40 | |
| 1 | 5.312 | 9.31 | |
| 2 | 1.712 | 3.00 | |
| N/Mags | 3.715 | 6.51 | |
| | 18.955 | 33.22 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 6.746 | 11.82 | |
| 1 | 2.321 | 4.07 | |
| 2 | 1.745 | 3.06 | |
| Mids | 0.681 | 1.19 | |
| N/Mags | 3.258 | 5.71 | |
| | 14.751 | 25.85 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 12.438 | 21.80 | |
| 1 | 5.465 | 9.58 | |
| 2 | 4.152 | 7.28 | |
| Mids | 0.602 | 1.05 | |
| N/Mags | 0.704 | 1.23 | |
| | 23.361 | 40.93 | |
| Total | 57.067 | 100.00 | |

COMMENTS:

- Slimes sample only

APPENDIX 8

Bulk samples

Jig tail samples

Sizing and magnetic fractionation results

12A

MICRON RESEARCH (W.A.) 845125

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649
METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,
14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

13th October, 1987
AFG:ABG

The Manager,
Callina Mining,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1457 (4)
Processing Jig Tails samples

A total of 30 jig tailings samples were received in a varying number of individual bags with instructions to process as for other Jig Products. Each sample or groups of bags, were agitated with water (attritioned) and the clay content recovered by elutriation. The slimes fraction was processed in a pressure filter and the cake oven dried and weighed. The sands fraction was then screened on 2mm and 0.5mm sieves. The weights of products are noted in the accompanying tables.

1. Coarse + 2mm fractions

Most samples contained from zero to a few grams of this product.

2. Fine product (- 2mm + 0.5mm)

Eleven samples contained a few grams - too small for magnetic fractionation. The balance of the samples were magnetically fractionated with data in accompanying tables.

3. Finest Product

All samples contained sufficient of this fraction for magnetic fractionation.


A.F. GRIFFIN

125

MICRON RESEARCH (W.A.) 845126

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649**

**METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,

14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

23rd November, 1987
AFG:ABG

The Manager,
Callina Mining N.L.,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1457 (6)
 Processing of jig tailings

The attached data for Tails Samples Nos. 2 - 7 (6 total) were extracted from the data originally supplied to Callina and were later returned to Micron.

A.F. GRIFFIN

126

JIG TESTS TAILS NO. 2

845127

No.

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.012 | 3.36 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.034 | 9.52 | |
| 1 | 0.084 | 23.53 | |
| 2 | 0.122 | 34.17 | |
| Mids | 0.059 | 16.53 | |
| N/Mags | 0.046 | 12.89 | |
| | 0.345 | 96.64 | |
| Total | 0.357 | 100.0 | |
| Slimes | 0.010 | | |

COMMENTS:

127

JIG TESTS TAILS NO. 3

845128



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.018 | 7.63 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.005 | 2.12 | |
| 1 | 0.113 | 47.88 | |
| 2 | — | — | |
| Mids | 0.050 | 21.19 | |
| N/Mags | 0.050 | 21.19 | |
| | 0.218 | 92.37 | |
| Total | 0.236 | 100.0 | |
| Slimes | 0.046 | | |

COMMENTS:

128

JIG TESTS TAILS NO. 4

845129



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.020 | 1.57 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.114 | 8.93 | |
| 1 | 0.078 | 6.11 | |
| 2 | 0.252 | 19.73 | |
| Mids | — | — | |
| N/Mags | 0.136 | 10.65 | |
| | 0.580 | 45.42 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.136 | 10.65 | |
| 1 | 0.153 | 11.98 | |
| 2 | 0.151 | 11.82 | |
| Mids | 0.127 | 9.95 | |
| N/Mags | 0.110 | 8.61 | |
| | 0.677 | 53.01 | |
| Total | 1.277 | 100.0 | |
| Slimes | 0.985 | | |

COMMENTS:

129

JIG TESTS TAILS NO. 5

845130



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.100 | 15.67 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.065 | 10.19 | |
| 1 | 0.125 | 19.59 | |
| 2 | 0.161 | 25.24 | |
| Mids | 0.113 | 17.71 | |
| N/Mags | 0.074 | 11.60 | |
| | 0.538 | 84.33 | |
| Total | 0.638 | 100.0 | |
| Slimes | 0.165 | | |

COMMENTS:

130

JIG TESTS TAILS NO. 6

845131

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.014 | 1.01 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.022 | 1.59 | |
| 1 | 0.044 | 3.18 | |
| 2 | 0.047 | 3.40 | |
| Mids | 0.212 | 15.33 | |
| N/Mags | 0.063 | 4.56 | |
| | 0.328 | 28.06 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.030 | 2.17 | |
| 1 | 0.555 | 40.13 | |
| 2 | 0.142 | 10.27 | |
| Mids | 0.190 | 13.74 | |
| N/Mags | 0.064 | 4.63 | |
| | 0.981 | 70.93 | |
| Total | 1.383 | 100.0 | |
| Slimes | 0.335 | | |

COMMENTS:

131

JIG TESTS TAILS NO. 7

845132

NO.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.005 | 0.33 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | — | — | |
| Finest (- 0.5mm) | | | |
| Mags Hi | | | |
| 1 | 0.018 | 1.20 | |
| 2 | 0.153 | 10.17 | |
| Mids | 0.281 | 18.68 | |
| N/Mags | 1.047 | 69.61 | |
| | 1.499 | 99.67 | |
| Total | 1.504 | 100.0 | |
| Slimes | 0.277 | | |

COMMENTS:

132

JIG TESTS TAILS NO. 8

845133

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.002 | 0.23 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | — | — | |
| 1 | 0.055 | 6.43 | |
| 2 | | | |
| Mids | 0.056 | 6.55 | |
| N/Mags | | | |
| | 0.111 | 12.98 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.061 | 7.13 | |
| 1 | 0.333 | 38.95 | |
| 2 | 0.175 | 20.47 | |
| Mids | 0.073 | 8.54 | |
| N/Mags | 0.100 | 11.70 | |
| | 0.742 | 86.79 | |
| Total | 0.855 | 100.0 | |
| Slimes | 0.432 | | |

COMMENTS:

133

845134 No.

JIG TESTS TAILS NO. 9



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.001 | 0.12 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | 0.066 | 8.05 | |
| 2 | | | |
| Mids | | | |
| N/Mags | 0.065 | 7.93 | |
| | 0.130 | 15.85 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | | | |
| 1 | 0.362 | 44.15 | |
| 2 | | | |
| Mids | 0.145 | 17.68 | |
| N/Mags | 0.102 | 12.44 | |
| | 0.085 | 10.37 | |
| | 0.690 | 84.04 | |
| Total | 0.821 | 100.0 | |
| Slimes | 0.765 | | |

COMMENTS:



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | — | — | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.065 | 10.27 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.010 | 1.58 | |
| 1 | 0.281 | 44.39 | |
| 2 | 0.107 | 16.90 | |
| Mids | 0.170 | 26.86 | |
| N/Mags | | | |
| | 0.568 | 89.73 | |
| Total | 0.633 | 100.0 | |
| Slimes | 0.657 | | |

COMMENTS:

135

JIG TESTS TAILS NO. 11

845136 No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | — | — | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.010 | 1.26 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.022 | 2.78 | |
| 1 | 0.223 | 28.16 | |
| 2 | 0.147 | 18.56 | |
| Mids | 0.390 | 49.24 | |
| N/Mags | | | |
| | 0.782 | 98.74 | |
| Total | 0.792 | 100.0 | |
| Slimes | 0.707 | | |

COMMENTS:

136

845137

No.

JIG TESTS TAILS NO. 12

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.007 | 0.52 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.030 | 2.24 | |
| 1 | 0.052 | 3.89 | |
| 2 | | | |
| Mids | 0.174 | 13.00 | |
| N/Mags | | | |
| | 0.256 | 19.13 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.063 | 4.71 | |
| 1 | 0.590 | 44.10 | |
| 2 | 0.226 | 16.88 | |
| Mids | 0.090 | 6.73 | |
| N/Mags | 0.106 | 7.92 | |
| | 1.075 | 80.34 | |
| Total | 1.338 | 100.0 | |
| Slimes | 0.120 | | |

COMMENTS:

137

JIG TESTS TAILS NO. 13

845138

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.005 | 0.58 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.012 | 1.39 | |
| 1 | 0.020 | 2.32 | |
| 2 | 0.060 | 6.95 | |
| Mids } | 0.137 | 15.87 | |
| N/Mags } | | | |
| | 0.229 | 26.54 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.015 | 1.74 | |
| 1 | 0.380 | 44.03 | |
| 2 | 0.160 | 18.54 | |
| Mids } | 0.074 | 8.57 | |
| N/Mags } | | | |
| | 0.629 | 72.88 | |
| Total | 0.862 | 100.0 | |
| Slimes | 0.125 | | |

COMMENTS:

138

845139 No.

JIG TESTS TAILS NO. 14

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.011 | 0.84 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.036 | 2.76 | |
| 1 | 0.233 | 17.82 | |
| 2 | | | |
| Mids | 0.121 | 9.29 | |
| N/Mags | 0.020 | 1.53 | |
| | 0.410 | 31.46 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.032 | 2.53 | |
| 1 | 0.486 | 37.30 | |
| 2 | 0.155 | 11.90 | |
| Mids | 0.074 | 5.68 | |
| N/Mags | 0.134 | 10.28 | |
| | 0.822 | 67.69 | |
| Total | 1.303 | 100.0 | |
| Slimes | 0.472 | | |

COMMENTS:

139

JIG TESTS TAILS NO. 15

845140

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.005 | 0.52 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.032 | 3.30 | |
| 1 | 0.014 | 1.44 | |
| 2 | 0.040 | 4.12 | |
| Mids | — | — | |
| N/Mags | 0.175 | 18.04 | |
| | 0.261 | 26.90 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.300 | 30.93 | |
| 1 | 0.205 | 21.13 | |
| 2 | 0.132 | 13.61 | |
| Mids | — | — | |
| N/Mags | 0.067 | 6.91 | |
| | 0.704 | 72.58 | |
| Total | 0.970 | 100.0 | |
| Slimes | 0.052 | | |

COMMENTS:

140

JIG TESTS TAILS NO. 16

845141

NO.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.001 | 0.38 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.129 | 49.05 | |
| 1 | 0.081 | 32.90 | |
| 2 | 0.027 | 10.65 | |
| Mids | — | — | |
| N/Mags | 0.019 | 7.22 | |
| | 0.262 | 99.62 | |
| Total | 0.262 | 100.0 | |
| Slimes | 0.317 | | |

COMMENTS:

141

JIG TESTS TAILS NO. 17

845142

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.002 | 0.25 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.142 | 18.02 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.173 | 21.95 | |
| 1 | 0.242 | 30.25 | |
| 2 | 0.091 | 11.55 | |
| Mids | — | — | |
| N/Mags | 0.118 | 14.97 | |
| | 0.644 | 81.72 | |
| Total | 0.788 | 100.0 | |
| Slimes | 0.551 | | |

COMMENTS:

142

JIG TESTS TAILS NO. 18

845143

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.001 | 0.49 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.032 | 15.61 | |
| 1 | 0.059 | 28.76 | |
| 2 | 0.080 | 42.93 | |
| Mids | — | — | |
| N/Mags | 0.025 | 12.20 | |
| | 0.204 | 99.52 | |
| Total | 0.205 | 100.0 | |
| Slimes | 0.374 | | |

COMMENTS:

143

JIG TESTS TAILS NO. 19

845144 No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.001 | 0.51 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.048 | 24.37 | |
| 1 | 0.085 | 43.15 | |
| 2 | 0.048 | 24.37 | |
| Mids | — | — | |
| N/Mags | 0.020 | 10.15 | |
| | 0.196 | 99.50 | |
| Total | 0.197 | 100.0 | |
| Slimes | 0.441 | | |

COMMENTS:

144

JIG TESTS TAILS NO. 20

845145

NO.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | HEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.006 | 0.95 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.021 | 3.32 | |
| 1 | 0.024 | 3.79 | |
| 2 | 0.031 | 4.90 | |
| Mids | --- | --- | |
| N/Mags | 0.123 | 19.42 | |
| | 0.199 | 31.44 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.047 | 7.42 | |
| 1 | 0.142 | 22.43 | |
| 2 | 0.112 | 17.61 | |
| Mids | --- | --- | |
| N/Mags | 0.127 | 20.06 | |
| | 0.428 | 67.60 | |
| Total | 0.633 | 100.0 | |
| Slimes | 0.570 | | |

COMMENTS:

145

JIG TESTS TAILS NO. 21

845146

NO.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.001 | 0.16 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.005 | 0.78 | |
| 1 | 0.004 | 0.62 | |
| 2 | 0.021 | 3.26 | |
| Mids | — | — | |
| N/Mags | 0.021 | 12.56 | |
| | 0.111 | 17.22 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.049 | 7.60 | |
| 1 | 0.212 | 32.87 | |
| 2 | 0.185 | 28.68 | |
| Mids | — | — | |
| N/Mags | 0.087 | 13.47 | |
| | 0.533 | 82.64 | |
| Total | 0.645 | 100.0 | |
| Slimes | 0.302 | | |

COMMENTS:

146

JIG TESTS TAILS NO. 22

845147

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.005 | 1.47 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.004 | 1.18 | |
| 1 | 0.002 | 0.89 | |
| 2 | 0.017 | 5.00 | |
| Mids | — | — | |
| N/Mags | 0.123 | 36.18 | |
| | 0.147 | 43.24 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.020 | 5.88 | |
| 1 | 0.066 | 19.41 | |
| 2 | 0.065 | 19.12 | |
| Mids | — | — | |
| N/Mags | 0.037 | 10.88 | |
| | 0.168 | 55.29 | |
| Total | 0.340 | 100.0 | |
| Slimes | 0.231 | | |

COMMENTS:

147

JIG TESTS TAILS NO. 23SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.030 | 3.99 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.069 | 9.19 | |
| 1 | 0.015 | 2.00 | |
| 2 | 0.039 | 5.19 | |
| Mids | — | — | |
| N/Mags | 0.228 | 30.36 | |
| | 0.351 | 46.74 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.104 | 13.85 | |
| 1 | 0.100 | 13.32 | |
| 2 | 0.085 | 11.32 | |
| Mids | — | — | |
| N/Mags | 0.081 | 10.79 | |
| | 0.370 | 49.28 | |
| Total | 0.751 | 100.0 | |
| Slimes | 0.099 | | |

COMMENTS:

148

JIG TESTS TAILS NO. 24

845149

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.004 | 0.47 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | — | — | |
| 1 | 0.045 | 5.25 | |
| 2 | 0.043 | 5.02 | |
| Mids | — | — | |
| N/Mags | 0.094 | 10.97 | |
| | 0.182 | 21.24 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.254 | 29.64 | |
| 1 | 0.149 | 17.39 | |
| 2 | 0.187 | 21.82 | |
| Mids | — | — | |
| N/Mags | 0.081 | 9.45 | |
| | 0.671 | 78.30 | |
| Total | 0.857 | 100.0 | |
| Slimes | 0.310 | | |

COMMENTS:

149

845150

No.

JIG TESTS TAILS NO. 25SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.003 | 0.20 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.161 | 10.55 | |
| 1 | 0.528 | 34.60 | |
| 2 | 0.377 | 24.71 | |
| Mids | — | — | |
| N/Mags | 0.457 | 29.95 | |
| | 1.523 | 99.81 | |
| Total | 1.526 | 100.0 | |
| Slimes | 1.297 | | |

COMMENTS:

150

JIG TESTS TAILS NO. 26

845151

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.003 | 0.44 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.111 | 16.40 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.105 | 15.51 | |
| 1 | 0.169 | 24.96 | |
| 2 | 0.105 | 15.51 | |
| Mids | — | — | |
| N/Mags | 0.184 | 27.18 | |
| | 0.563 | 83.16 | |
| Total | 0.677 | 100.0 | |
| Slimes | 0.573 | | |

COMMENTS:

151

JIG TESTS TAILS NO. 27

845152

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.041 | 8.82 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.228 | 49.03 | |
| 1 | 0.106 | 22.80 | |
| 2 | 0.060 | 12.90 | |
| Mids | — | — | |
| N/Mags | 0.030 | 6.45 | |
| | 0.424 | 91.18 | |
| Total | 0.465 | 100.0 | |
| Slimes | 0.464 | | |

COMMENTS:

152

JIG TESTS TAILS NO. 28

845153

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.004 | 0.43 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.005 | 0.54 | |
| 1 | 0.012 | 1.29 | |
| 2 | 0.056 | 6.04 | |
| Mids | — | — | |
| N/Mags | 0.076 | 8.20 | |
| | 0.149 | 16.07 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.334 | 36.03 | |
| 1 | 0.221 | 23.84 | |
| 2 | 0.154 | 16.61 | |
| Mids | — | — | |
| N/Mags | 0.065 | 7.01 | |
| | 0.774 | 83.49 | |
| Total | 0.927 | 100.0 | |
| Slimes | 0.708 | | |

COMMENTS:

153

JIG TESTS TAILS NO. 29

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.002 | 0.29 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.012 | 1.72 | |
| 1 | 0.018 | 2.58 | |
| 2 | 0.010 | 1.43 | |
| Mids | — | — | |
| N/Mags | 0.050 | 7.15 | |
| | 0.090 | 12.88 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.092 | 13.16 | |
| 1 | 0.325 | 46.49 | |
| 2 | 0.146 | 20.89 | |
| Mids | — | — | |
| N/Mags | 0.044 | 6.29 | |
| | 0.607 | 86.83 | |
| Total | 0.699 | 100.0 | |
| Slimes | 0.565 | | |

COMMENTS:

154

JIG TESTS TAILS NO. 30

845155

No.



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.020 | 4.59 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.164 | 37.61 | |
| 1 | 0.178 | 40.83 | |
| 2 | 0.061 | 13.99 | |
| Mids | — | — | |
| N/Mags | 0.013 | 2.98 | |
| | 0.416 | 95.41 | |
| Total | 0.436 | 100.0 | |
| Slimes | 0.336 | | |

COMMENTS:

155

845156

No.

JIG TESTS TAILS NO. 31

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.002 | 0.17 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.063 | 5.29 | |
| 1 | 0.033 | 2.77 | |
| 2 | 0.024 | 2.01 | |
| Mids | — | — | |
| N/Mags | 0.088 | 7.38 | |
| | 0.208 | 17.45 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.397 | 33.31 | |
| 1 | 0.372 | 31.21 | |
| 2 | 0.136 | 11.41 | |
| Mids | — | — | |
| N/Mags | 0.077 | 6.46 | |
| | 0.982 | 82.39 | |
| Total | 1.192 | 100.0 | |
| Slimes | 0.650 | | |

COMMENTS:

APPENDIX 9

Auger drill hole samples

Sizing and magnetic fractionation results

157

845158

MICRON RESEARCH (W.A.)

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649**

**METALLURGICAL
SERVICES
LABORATORY**



LABORATORY: Phone 446 8225
UNIT 7,
14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

30th July, 1987
AFG:ABG

The Manager,
Callina Mining,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

ATTN: Mr. L. Killegrew

re: Micron Report No. 1447 (1)
Processing of Drill Samples

A total of 22 samples (plus 1 lost in processing) were processed as described below and sampled for assay by an external laboratory as requested. The processing of these Mill samples was suspended by instruction and priority given to the bulk jig (No. 1) Concentrates - of which 25 have been processed and sampled to date - this will form a separate report.

NOTES:

1. No responsibility will be accepted for the data given in this report except insofar as it applies to the samples received.
2. Perth tap water was used in all test work.
3. The balance of each product (i.e. that surplus to assay requirements) are stored at this laboratory awaiting instructions.

THE SAMPLES

Each individual sample was contained in a plastic bag and several such bags were then contained in a cardboard container - at present we have some 16 such containers containing unprocessed samples. Inspection of the samples showed the presence of considerable clay type minerals which required attritioning, dilution and removal of clays (by decantation) prior to oven drying the cleansed mineral.

PROCESSING

1. Sizing
Each oven dried, deslimed fraction was screened on a laboratory



screen having 0.5mm square apertures. The coarse or oversize (O/S) + 0.5mm fraction was weighed and bagged prior to storage. The fine fraction (- 0.5mm) was then fractionated on the Reading Induced Roll magnet (IRM) with three passes at varying applied power, e.g. 0, 1 and 2 amps. Each fraction was weighed, sampled for external assay and the surplus bagged and stored for future inspection. The slimes fraction (i.e. -75u) was discarded and the weight thereof was determined by difference mathematically. This data is shown in the accompanying table as Micron tests 1 - 23. On the table is also shown (1) the weight of sample sent for assay when it was less than 200gr. (2) when there was no surplus product for storage this is noted as "X".

The data contained in this report has previously been supplied.

A.F. GRIFFIN



TABLE NO. 1

DRILL SAMPLES - DESLIMING MAGNETIC PRODUCTS

| Client Mark | Micron No. | Products | Weights | | Product Disposal | | |
|--------------------------------|------------|---------------|---------|-------|------------------|-------|-------|
| | | | kg. | % | Mic. | Anal. | Store |
| 1 10100N 9700E (3-4m) | 38082 | Fines Hi Mags | .112 | 3.18 | | 100 | x |
| | | Mags 1 | .451 | 12.81 | | | x |
| | | 2 | .342 | 9.72 | | | |
| | | N/Mags | .348 | 9.89 | | | |
| | | Mids | .196 | 5.57 | | 186 | x |
| | | Slimes | (.767) | 21.79 | - | - | - |
| | | Coarse + .5mm | 1.304 | 37.04 | | | |
| Total | | | 3.520 | 100 | - | - | - |
| 2 10050N 9550E (1-2m) | 38083 | Fines Hi Mags | .055 | 1.14 | | 44 | x |
| | | Mags 1 | .285 | 5.93 | | | x |
| | | 2 | .174 | 3.62 | | 100 | x |
| | | H/Mags | .620 | 12.90 | | | |
| | | Mids | .050 | 1.04 | | 42 | x |
| | | Slimes | (2.828) | 58.83 | - | - | - |
| | | Coarse + .5mm | .795 | 16.57 | | | |
| Total | | | 4.807 | 100 | - | - | - |
| 3 1010N 9500E (1-2m) | 38084 | Fines Hi Mags | .135 | 1.90 | | 125 | x |
| | | Mags 1 | .484 | 6.80 | | | |
| | | 2 | .554 | 7.78 | | | |
| | | N/Mags | .960 | 13.49 | | | |
| | | Mids | .230 | 3.23 | | | x |
| | | Slimes | (2.414) | 33.92 | - | - | - |
| | | Coarse + .5mm | 2.340 | 32.88 | | | |
| Total | | | 7.117 | 100 | - | - | - |
| 4 9950N 9550E | 38085 | Fines Hi Mags | .010 | 0.18 | | Nil | x |
| | | Mags 1 | .205 | 3.73 | | | x |
| | | 2 | .217 | 3.95 | | 190 | x |
| | | Mids + N/Mags | .280 | 5.09 | | | |
| | | Slimes | (4.203) | 76.43 | - | - | - |
| | | Coarse + .5mm | .583 | 10.62 | | | |
| | | Total | | | 5.498 | 100 | - |
| 5 10100N 9850E | 38086 | Fines Hi Mags | .006 | 0.11 | | Nil | x |
| | | Mags 1 | .152 | 2.87 | | 142 | x |
| | | 2 | .196 | 3.70 | | 183 | x |
| | | Mids | .073 | 1.38 | | 65 | x |
| | | N/Mags | .052 | 0.89 | | 40 | x |
| | | Slimes | (4.316) | 81.43 | - | - | - |
| | | Coarse + .5mm | .505 | 9.53 | | | |
| Total | | | 15.300 | 100 | - | - | - |

Continued



| Client Mark | Micron No. | Products | Weights | | Product Disposal | | |
|--------------------------------|------------|----------------------|---------|--------|------------------|-------|-------|
| | | | kg. | % | Mic. | Anal. | Store |
| 6 10000N 9750E | 38087 | Fines Hi Mags | .675 | 14.67 | | | |
| | | Mags 1 | .347 | 7.54 | | | |
| | | (-250) 2 | .207 | 4.50 | | | x |
| | | 3 | .127 | 2.76 | | 117 | x |
| | | +250 Mags+MidsN/Mag. | .231 | 5.02 | | | x |
| | | -250 N/Mags | (2.076) | 45.13 | - | - | - |
| | | Coarse + .5mm | .827 | 17.99 | | | |
| | | Total | | 4.600 | 100 | - | - |
| 7 10100N 9900E | 38088 | Fine Hi Mags | .337 | 5.22 | | | |
| | | Mags 1 | .354 | 5.48 | | | |
| | | 2 | .430 | 6.66 | | | |
| | | Mids | .218 | 3.37 | | | x |
| | | N/Mags | .196 | 3.03 | | 181 | x |
| | | Slimes | (4.539) | 70.26 | - | - | - |
| | | Coarse + .5mm | .386 | 5.98 | | | x |
| | | Total | | 6.460 | 100 | - | - |
| 8 9850N 9700E | 38089 | Fines Hi Mags | .050 | 0.78 | | Nil | x |
| | | Mags 1 | .250 | 3.88 | | | x |
| | | 2 | .337 | 5.23 | | | |
| | | + 250 N/Mags | .190 | 2.95 | | 180 | x |
| | | - 250 " | .090 | 1.40 | | 80 | x |
| | | Slimes | (3.983) | 61.85 | - | - | - |
| | | Coarse + .5mm | 1.540 | 23.81 | | | |
| | | Total | | 6.440 | 100 | - | - |
| 9 10100N 9450E (1-4m) | 38090 | Fines Hi Mags | .056 | 0.55 | | 50 | x |
| | | Mags 1 | .786 | 7.65 | | | |
| | | 2 | .780 | 7.59 | | | |
| | | N/Mags | .610 | 5.94 | | | |
| | | Mids | .340 | 3.31 | | | |
| | | Slimes | (3.708) | 36.79 | - | - | - |
| | | Coarse + .5mm | 3.920 | 38.17 | | | |
| | | Total | | 10.270 | 100 | - | - |
| 10 9900N 9550E | 38091 | Fines -150 Mags 1 | .072 | 1.00 | | 64 | x |
| | | -150 2 | .120 | 1.67 | | 115 | x |
| | | -150 Mids + N/Mag | .087 | 1.21 | | 80 | x |
| | | +150 Mid | .460 | 6.39 | | | |
| | | 150 N/Mags | 1.030 | 14.31 | | | |
| | | Slimes | (5.285) | 73.40 | - | - | - |
| | | Coarse +.5mm | .146 | 2.02 | | 136 | x |
| | | Total | | 7.200 | 100 | - | - |

3.

Continued
10

| | Client Mark | Micron No. | Products | Weights | | Product Disposal | | |
|----|---------------------------|------------|--------------------|---------|-------|------------------|-------|-------|
| | | | | kg. | % | Mic. | Anal. | Store |
| 11 | 10000N 9550E | 38092 | Fines Hi Mags | .030 | 0.21 | | Nil | x |
| | | | Mags 1 | .530 | 3.71 | | | |
| | | | + 150 " 2 | .190 | 1.33 | | 174 | x |
| | | | - 150 " 2 | .140 | 0.98 | | 128 | x |
| | | | - 150 " 3 | .280 | 1.96 | | | x |
| | | | - 150 Mids | .350 | 2.45 | | | |
| | | | N/Mags | 4.050 | 28.32 | | | |
| | | | Slimes | (8.202) | 57.37 | - | - | - |
| | | | Coarse + .5mm | .528 | 3.67 | | | |
| | | | Total | 14.300 | 100 | - | - | - |
| 12 | 9000N 10000E (1-6m) | 38093 | Lost in Processing | | | | | |
| 13 | ? | 38094 | Fines Hi Mags | .500 | 9.30 | | 238 | x |
| | | | Mags 1 | .870 | 16.19 | | 220 | |
| | | | 2 | .751 | 13.97 | | 230 | |
| | | | Mids | .140 | 2.61 | | 125 | x |
| | | | N/Mags | .881 | 16.39 | | 240 | |
| | | | Slimes | (2.058) | 38.28 | | 180 | |
| | | | Sands (-75-slimes) | .175 | 3.26 | | 160 | x |
| | | | Coarse .5mm | Nil | - | - | - | - |
| | | | Total | 5.375 | 100 | - | - | - |
| 14 | 10100N 9500E | 38095 | Medium +250 | .160 | 2.72 | | 148 | x |
| | | | Fines -250 Hi Mags | .010 | 0.17 | | Nil | x |
| | | | Mags 1 | .320 | 5.43 | | | |
| | | | 2 | .260 | 4.42 | | | |
| | | | Mids | .210 | 3.57 | | | |
| | | | N/Mags | 1.019 | 17.31 | | 240 | |
| | | | Slimes | (3.522) | 59.82 | - | - | - |
| | | | Coarse +.5mm | .387 | 6.57 | | | |
| | | | Total | 5.888 | 100 | - | - | - |
| 15 | 9750N 9800E (1-2m) | 38139 | Fines Hi Mags | .110 | 8.94 | | 100 | x |
| | | | Mags 1 | .190 | 15.45 | | 180 | x |
| | | | 2) | .153 | 12.44 | | 147 | x |
| | | | + Mids +N/Mags) | | | | | |
| | | | Slimes | (.273) | 22.20 | - | - | - |
| | | | Coarse +.5mm | .504 | 100 | | 210 | |
| | | | Totals | 2.882 | 100 | - | - | - |

Continued

| | Client Mark | Micron No. | Products | Weights | | Product Disposal | |
|----|--------------------------------------|------------|----------------|---------|-------|------------------|-------|
| | | | | kg. | % | Mic. Anal. | Store |
| 16 | 9950N 10000E (7-8m) Hole 22 | 38140 | Fines Hi Mags | .080 | 3.21 | 80 | x |
| | | | Mags 1 | .160 | 6.42 | 160 | x |
| | | | 2 | .215 | 8.62 | 200 | x |
| | | | Mids + N/Mags | .130 | 5.21 | 120 | x |
| | | | Slimes | (1.048) | 42.04 | - | - |
| | | | Coarse + .5mm | .860 | 34.50 | - | - |
| | | | Total | 2.493 | 100 | - | - |
| 17 | 9750N 9950E | 38141 | Fines Hi Mags | .001 | 0.03 | Nil | x |
| | | | Mags 1 | .240 | 6.23 | | |
| | | | 2) | .254 | 6.59 | | |
| | | | Mids + N/Mags) | | | | |
| | | | Slimes | (2.565) | 66.59 | - | - |
| | | | Coarse + .5mm | .792 | 20.56 | - | - |
| | | | Total | 3.852 | 100 | - | - |
| 18 | 10000N 10000E (1-2m) | 38142 | Fines Hi Mags | .030 | 1.04 | Nil | x |
| | | | Mags 1 | .186 | 6.45 | 170 | x |
| | | | 2 | .218 | 7.56 | 220 | x |
| | | | Mags + N/Mags | .248 | 8.61 | | |
| | | | Slimes | (1.344) | 46.64 | - | - |
| | | | Coarse + .5mm | .856 | 29.70 | 210 | |
| | | | Total | 2.882 | 100 | - | - |
| 19 | 10000N 10000E (5-6m) | 38143 | Fines Hi Mags | .010 | 0.38 | Nil | x |
| | | | Mags 1 | .172 | 6.53 | 167 | x |
| | | | 2 | .123 | 4.67 | 118 | x |
| | | | Mids + N/Mags | .081 | 3.07 | 75 | x |
| | | | Slimes | (1.830) | 69.42 | - | - |
| | | | Coarse + .5mm | .420 | 15.93 | - | - |
| | | | Total | 2.636 | 100 | - | - |
| 20 | 10000N 9700E (1-2m) | 38144 | Fines Hi Mags | .080 | 2.02 | 71 | x |
| | | | Mags 1 | .306 | 7.72 | | |
| | | | 2 | .712 | 47.97 | | |
| | | | + 250 N/Mags | .068 | 1.72 | 52 | x |
| | | | - 250 " | .220 | 5.55 | | |
| | | | Slimes | .747 | 18.85 | - | - |
| | | | Coarse + .5mm | 1.830 | 46.18 | 280 | |
| | | | Total | 3.963 | 100 | - | - |

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Continued



| | Client Mark | Micron No. | Products | Weights | | Product Disposal | | |
|----|-----------------------------|------------|---------------|---------|-------|------------------|------|-------|
| | | | | kg. | % | Mic. | Anal | Store |
| 21 | 10000N 9900E Sample 7 | 38145 | Fines Hi Mags | .570 | 15.10 | | 210 | |
| | | | Mags 1 | .440 | 11.66 | | | |
| | | | 2 | .445 | 11.79 | | | |
| | | | Mids + N/Mags | .064 | 1.70 | | 55 | x |
| | | | Slimes | (1.380) | 36.57 | - | - | - |
| | | | Coarse + .5mm | .875 | 23.18 | | | |
| | | | Total | 3.774 | 100 | - | - | - |
| 22 | 10000N 97005 (3-5m) | 38146 | Fines Hi Mags | .460 | 12.83 | | | |
| | | | Mags 1 | Nil | - | - | - | - |
| | | | 2 | .171 | 4.77 | | 166 | x |
| | | | Mids + N/Mags | .065 | 1.81 | | 58 | x |
| | | | Slimes | 2.481 | 69.22 | - | - | - |
| | | | Coarse + .5mm | .407 | 11.37 | | | |
| | | | Total | 3.584 | 100 | - | - | - |
| 23 | 10100N 9500E (9-10m) | 38147 | Fines Hi Mags | .010 | 0.20 | | Nil | x |
| | | | Mags 1 | .163 | 3.25 | | 158 | x |
| | | | 2 | .234 | 4.67 | | 220 | x |
| | | | Mids | .232 | 4.63 | | 222 | x |
| | | | N/Mags | .310 | 6.19 | | | |
| | | | Slimes | (3.637) | 72.58 | - | - | - |
| | | | Coarse + .5mm | .425 | 8.48 | | | |
| | | | Total | 5.011 | 100 | - | - | - |

APPROVED RESEARCH
ORGANISATION No. 649
METALLURGICAL
SERVICES
LABORATORY



LABORATORY: Phone 446 8225
UNIT 7,
14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017

13th October, 1987
AFG:ABG

The Manager,
Callina Mining,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1447 (2)
Processing of Drill Hole Samples

Data from the processing of the first 23 Drill samples was issued on 30 July 1987.

Now please note:-

1. Report Forms

The data presented in that report is herein repeated on standardised proformas for convenience.

2. Micron nos. 1 - 23 were Micron allocations.

3. Drill Hole numbers

Only one, Micron No. 16 is incorrectly noted as Hole 22 - it should be Hole 33 (as attached proformas).

4. Hole depths

Only 12 holes have nominated sample depth increments.

5. No co-ordinates were nominated on the bag for Micron No. 13.

6. Micron No. 21 was nominated as Sample 7 - (? Hole 7).

The balance of all the drill samples were processed, slightly differently to those included in Report 1447 (1) as follows:-

1. Weighing

All samples were weighed in the bags as received and the tare weight deducted. All samples were dry.

2. Attritioning

Each sample was individually attritioned with water and some slaked lime, for prolonged periods to fluidise the slimes content.

3. Elutriation

The slimes fraction was recovered by elutriation followed by successive water washes to eliminate all slimes. The slimes mixture was allowed to



settle and then filtered under pressure. The solids were oven dried, weighed, crushed and bagged for the records. The coarse fraction was oven dried and weighed.

4. Sizing

The oven dried coarse fraction was screened on 2mm and 0.5mm sieves to produce three sized products.

(1) Coarse + 2mm. All samples so processed contained only small quantities of this product which were too small to justify magnetic separation.

These products were weighed, bagged and stored.

(2) Fine (- 2mm + 0.5mm)

These products were individually subject to magnetic fractionation with the data being shown in the attached table.

(3) Finest (- 0.5mm)

This product was also magnetically fractionated with the results also in the same tables.

It should be noted:-

1. Report forms are proformas.
2. Micron sample numbers were allocated and appear on top right corner.
3. Drill hole numbers.

Of the sample data attached there are only two whose Hole No. was not shown on the bags - but the co-ordinates and depths were noted.

4. Drill Hole depths

Drill hole depths are shown on all bags included in this part of the report except Nos. 56 and 57 - which are nominated as "ALL" - but no depths quoted on bags.

5. The slimes content of each sample is noted at the foot of each proforma.
6. Some samples show several levels in the drill hole.


A.F. GRIFFIN.

845167

166 MICRON RESEARCH (W.A.)

(Proprietor: Dabas Pty. Ltd. Trustee for The Micron Unit Trust)

**APPROVED RESEARCH
ORGANISATION No. 649**

**METALLURGICAL
SERVICES
LABORATORY**



**LABORATORY: Phone 446 8225
UNIT 7,**

**14 KING EDWARD ROAD,
OSBORNE PARK, W.A. 6017**

24rd November, 1987
AFG:ABG

The Manager,
Callina Mining N.L.,
100 Mill Point Road,
SOUTH PERTH, W.A. 6151

re: Micron Report No. 1447 (2)
 Drill Hole Samples

The balance of the samples (66 total) from the drill holes have been processed and the data is attached. It should be noted that some of the location/depth description was incomplete, as was in the previously processed samples and reported data. The coordinates of every sample was provided. These samples were high in clays and were attritioned and deslimed as the first step in the investigation. This now completes the processing of all the samples provided.

A.F. GRIFFIN



167

| Micron No. | Cord. N. | Coord S. | Hole No. | Depth |
|------------|----------|----------|----------|---------|
| 37395 | 10000 | 9950 | 7 | 1 - 2 |
| 37419 | 10000 | 10200 | 9 | 2 |
| 37397 | 10100 | 9550 | 17 | 0 - 1 |
| 37001 | 10100 | 9400 | 21 | 1 - 2 |
| 37462 | 10100 | 9400 | 21 | 3 - 4 |
| 37404 | 10100 | 9400 | 21 | 7 - 8 |
| 37405 | 10100 | 9400 | 21 | 9 - 10 |
| 37450 | 10050 | 9400 | 22 | 5 - 6 |
| 37406 | 10000 | 9400 | 22 | 5 - 6 |
| 37451 | 10000 | 9500 | 25 | 5 - 7 |
| 37415 | 10000 | 9960 | 29 | 1 - 2 |
| 37416 | 10000 | 9900 | 29 | 4 |
| 37418 | 10000 | 9900 | 29 | 5 - 6 |
| 37412 | 10000 | 9950 | 30 | 1 - 2 |
| 37414 | 10000 | 9950 | 30 | 3 - 4 |
| 37411 | 10000 | 9950 | 30 | 5 - 6 |
| 37409 | 10000 | 9950 | 30 | 7 - 8 |
| 37410 | 10000 | 9950 | 30 | 9 - 10 |
| 37399 | 10000 | 10000 | 31 | 9 - 10 |
| 37403 | 10000 | 10000 | 31 | 11 - 12 |
| 37394 | 9950 | 10000 | 33 | 5 - 6 |
| 37419 | 9950 | 10000 | 33 | 9 - 10 |
| 37420 | 9950 | 10000 | 33 | 11 - 12 |
| 37438 | 9950 | 10000 | 33 | 13 - 14 |
| 37423 | 9950 | 10000 | 33 | 17 |
| 37400 | 10200 | 9550 | 34 | 3 - 4 |
| 37436 | 10150 | 9550 | 36 | 1 - 2 |
| 37427 | 10150 | 9550 | 36 | 3 - 4 |
| 37453 | 10150 | 9550 | 36 | 5 - 6 |
| 37396 | 9900 | 10100 | 37 | 1 - 2 |
| 37454 | 9750 | 10050 | 45 | All |
| 37444 | 9750 | 10150 | 46 | All |
| 37432 | 9750 | 10250 | 47 | 1 - 2 |
| 37434 | 9750 | 10250 | 49 | 1 |
| 37446 | 9750 | 10300 | 51 | All |
| 37398 | 9850 | 10300 | 52 | All |
| 37391 | 9850 | 10250 | 53 | All |
| 37392 | 9850 | 10150 | 55 | 1 - 2 |
| 37408 | 9850 | 10000 | 58 | All |



| | | | | |
|-------|-------|-------|------|-------|
| 37441 | 9850 | 9950 | 59 | 1 - 2 |
| 37447 | 9850 | 9900 | 61 | All |
| 37449 | 9850 | 9850 | 62 | All |
| 37393 | 9850 | 9800 | 63 | All |
| 37448 | 9850 | 9750 | 54 | All |
| 37430 | 9900 | 9750 | 67 | 1 - 2 |
| 37442 | 10000 | 9450 | 69 | All |
| 37455 | 10000 | 9850 | 73 | ? |
| 37390 | 10200 | 9750 | 74 | 1 - 4 |
| 37443 | 10050 | 9750 | 80 | All |
| 37429 | 10100 | 9750 | 81 | 5 - 7 |
| 37425 | 10100 | 9800 | 83 | 3 - 4 |
| 37440 | 10100 | 9800 | 83 | 5 - 6 |
| 37407 | 10000 | 9600 | ? 26 | 5 - 6 |
| 37433 | 10000 | 9600 | ? 26 | 7 - 9 |
| 37426 | 10000 | 10100 | ? 1 | 6 |
| 37428 | 10000 | 10100 | ? 1 | 8 |
| 37424 | 10000 | 10100 | ? 1 | 10 |
| 37413 | 10000 | 10200 | ? 2 | 4 |
| 37427 | 10000 | 10250 | 3 | ? 1-2 |
| 37445 | 10050 | 9550 | ? 18 | 5 - 7 |
| 37452 | 10050 | 10000 | ? 4 | 2 |
| 37431 | 10050 | 10000 | ? 4 | 4 |
| 37421 | 10050 | 10000 | ? 4 | 6 |
| 37435 | 10050 | 10000 | ? 4 | 8 |
| 37437 | 10050 | 10000 | ? 4 | ? x |
| 37439 | 5000 | 5000 | XXX | All |

845170

169

SAMPLE NO. 1

MICRON NO. 374 26

Co-ords 10 000 N

10 100 E

Depths 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.052 | 2.52 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.359 | 17.37 | |
| 1 | 0.696 | 33.67 | |
| 2 | 0.076 | 3.68 | |
| Mids | — | — | |
| N/Mags | 0.056 | 2.71 | |
| | 1.187 | 57.43 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.573 | 27.72 | |
| 1 | 0.171 | 8.27 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.084 | 4.06 | |
| | 0.828 | 40.05 | |
| Total | 2.067 | 100.00 | |
| Slimes | 1.933 | | |
| Total Sample | 4.000 | | |

COMMENTS:

845171

SAMPLE NO. 1

MICRON NO. 374 28

170

Co-ords 10 000 N
10 100 E
 Depths 8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.021 | 1.66 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.197 | 15.55 | |
| 1 | 0.403 | 31.81 | |
| 2 | 0.036 | 2.84 | |
| Mids | — | — | |
| N/Mags | 0.022 | 1.74 | |
| | 0.658 | 51.74 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.366 | 28.87 | |
| 1 | 0.153 | 12.03 | |
| 2 | 0.044 | 3.47 | |
| Mids | — | — | |
| N/Mags | 0.025 | 1.97 | |
| | 0.588 | 46.41 | |
| Total | 1.267 | 100.00 | |
| Slimes | 0.633 | | |
| Total Sample | 1.900 | | |

COMMENTS:

845172

171

SAMPLE NO. 1

MICRON NO. 37424

Co-ords 10 000 N

10 100 E

Depths 10 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.057 | 4.31 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.130 | 9.83 | |
| 1 | 0.444 | 33.59 | |
| 2 | 0.064 | 4.84 | |
| Mids | — | — | |
| N/Mags | 0.025 | 1.89 | |
| | 0.663 | 50.15 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.189 | 14.30 | |
| 1 | 0.366 | 27.69 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.047 | 3.56 | |
| | 0.602 | 45.55 | |
| Total | 1.322 | 100.00 | |
| Slimes | 0.478 | | |
| Total Sample | 1.800 | | |

COMMENTS:

845173

SAMPLE NO. 2

MICRON NO. 374 13

172

Co-ords 10 000 N

10 200 E

Depths 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.003 | 0.35 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.039 | 4.53 | |
| 1 | 0.103 | 11.98 | |
| 2 | 0.104 | 12.09 | |
| Mids | 0.078 | 9.07 | |
| N/Mags | 0.188 | 21.86 | |
| | 0.512 | 59.53 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.121 | 14.07 | |
| 1 | 0.119 | 13.84 | |
| 2 | 0.080 | 9.30 | |
| Mids | — | — | |
| N/Mags | 0.025 | 2.91 | |
| | 0.345 | 40.12 | |
| Total | 0.860 | 100.00 | |
| Slimes | 0.140 | | |
| Total Sample | 1.100 | | |

COMMENTS:

845174

SAMPLE NO.

3

MICRON NO. 37427

173

Co-ords

10 000 N

10 250 E

Depths

1-2 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.130 | 6.33 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.350 | 17.06 | |
| 1 | 0.050 | 2.44 | |
| 2 | 0.083 | 4.04 | |
| Mids | 0.096 | 4.68 | |
| N/Mags | 0.567 | 27.63 | |
| | 1.146 | 55.35 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.056 | 2.73 | |
| 1 | 0.293 | 14.28 | |
| 2 | 0.253 | 12.53 | |
| Mids | 0.070 | 3.41 | |
| N/Mags | 0.104 | 5.07 | |
| | 0.776 | 37.82 | |
| Total | 2.052 | 100.00 | |
| Slimes | 1.048 | | |
| Total Sample | 3.100 | | |

COMMENTS:

845175

SAMPLE NO. 4

MICRON NO. 37452

Co-ords 10 050 N

10 000 E

Depths 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.018 | 0.70 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.026 | 1.00 | |
| 1 | 0.072 | 2.76 | |
| 2 | 0.370 | 14.18 | |
| Mids | 0.679 | 26.03 | |
| N/Mags | 0.552 | 21.16 | |
| | 1.699 | 65.13 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.078 | 2.99 | |
| 1 | 0.479 | 18.36 | |
| 2 | 0.282 | 10.81 | |
| Mids | 0.029 | 1.11 | |
| N/Mags | 0.024 | 0.92 | |
| | 0.892 | 34.19 | |
| Total | 2.609 | 100.00 | |
| Slimes | 1.591 | | |
| Total Sample | 4.200 | | |

COMMENTS:

845176

SAMPLE NO. 4

MICRON NO. 37431

175

Co-ords 10 050 N

10 000 E

Depths 4 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.037 | 1.65 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.223 | 9.92 | |
| 1 | 0.205 | 9.12 | |
| 2 | 0.204 | 9.08 | |
| Mids | 0.360 | 16.02 | |
| N/Mags | 0.285 | 12.68 | |
| | | | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.291 | 12.95 | |
| 1 | 0.408 | 18.16 | |
| 2 | 0.136 | 6.05 | |
| Mids | 0.066 | 2.94 | |
| N/Mags | 0.032 | 1.42 | |
| | 0.933 | 41.52 | |
| Total | 2.247 | 100.00 | |
| Slimes | 1.453 | | |
| Total Sample | 3.700 | | |

COMMENTS:

845177

SAMPLE NO. 4

MICRON NO. 37421

176

Co-ords 10 050 N

10 000 E

Depths 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.024 | 2.26 | |
| 1 | 0.070 | 6.59 | |
| 2 | 0.118 | 11.11 | |
| Mids | 0.090 | 8.47 | |
| N/Mags | 0.298 | 28.06 | |
| | 0.600 | 56.49 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.134 | 12.62 | |
| 1 | 0.166 | 15.63 | |
| 2 | 0.126 | 11.86 | |
| Mids | — | — | |
| N/Mags | 0.036 | 3.39 | |
| | 0.462 | 43.50 | |
| Total | 1.062 | 100.00 | |
| Slimes | 1.138 | | |
| Total Sample | 2.200 | | |

COMMENTS:

177 845178

SAMPLE NO. 4

MICRON NO. 37435

Co-ords 10 050 N

10 000 E

Depths 8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.017 | 0.90 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.474 | 25.05 | |
| 1 | 0.313 | 16.54 | |
| 2 | 0.042 | 2.22 | |
| Mids | — | — | |
| N/Mags | 0.027 | 1.43 | |
| | 0.856 | 45.24 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.852 | 45.03 | |
| 1 | 0.122 | 6.45 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.045 | 2.38 | |
| | 1.019 | 53.86 | |
| Total | 1.892 | 100.00 | |
| Slimes | 0.808 | | |
| Total Sample | 2.700 | | |

COMMENTS:

845179

SAMPLE NO. 4

MICRON NO. 37437

178

Co-ords 10 050 N

10 000 E

Depths 10 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.026 | 3.65 | |
| 1 | 0.022 | 3.09 | |
| 2 | 0.049 | 6.87 | |
| Mids | 0.075 | 10.52 | |
| N/Mags | 0.123 | 17.25 | |
| | 0.295 | 41.38 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.144 | 20.20 | |
| 1 | 0.173 | 24.26 | |
| 2 | 0.091 | 12.76 | |
| Mids | — | — | |
| N/Mags | 0.010 | 1.40 | |
| | 0.418 | 58.62 | |
| Total | 0.713 | 100.00 | |
| Slimes | 0.387 | | |
| Total Sample | 1.100 | | |

COMMENTS:

845180

179

SAMPLE NO. 7

MICRON NO. 37395

Co-ords 10 000 N

9 950 E

Depths 1 - 2 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.115 | 3.02 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.657 | 17.26 | |
| 1 | 0.224 | 5.89 | |
| 2 | 0.231 | 6.07 | |
| Mids | 0.567 | 14.90 | |
| N/Mags | 0.910 | 23.91 | |
| | 2.589 | 68.03 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.136 | 3.57 | |
| 1 | 0.530 | 13.93 | |
| 2 | 0.241 | 6.33 | |
| Mids | 0.141 | 3.70 | |
| N/Mags | 0.054 | 1.42 | |
| | 1.102 | 28.95 | |
| Total | 3.806 | 100.00 | |
| Slimes | 1.294 | | |
| Total Sample | 5.100 | | |

COMMENTS:

845181

180

SAMPLE NO. 7

MICRON NO. 38150

Co-ords 10 000 N

9 950 E

Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.054 | 2.38 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.006 | 0.26 | |
| 1 | 0.146 | 6.43 | |
| 2 | 0.418 | 18.41 | |
| Mids | 0.208 | 9.16 | |
| N/Mags | 0.337 | 14.85 | |
| | 1.115 | 49.11 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.024 | 1.06 | |
| 1 | 0.408 | 17.97 | |
| 2 | 0.284 | 12.51 | |
| Mids | 0.111 | 4.89 | |
| N/Mags | 0.274 | 12.07 | |
| | 1.101 | 48.50 | |
| Total | 2.270 | 100.00 | |
| Slimes | 3.650 | | |
| Total Sample | 5.920 | | |

COMMENTS:

845182

SAMPLE NO. 8

MICRON NO. 38300

181

Co-ords 10 000 N

10 000 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.110 | 4.19 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.795 | 30.30 | |
| 1 | 0.188 | 7.16 | |
| 2 | 0.107 | 4.08 | |
| Mids | 0.202 | 7.70 | |
| N/Mags | 0.726 | 27.67 | |
| | 2.018 | 76.91 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.133 | 5.07 | |
| 1 | 0.199 | 7.58 | |
| 2 | 0.104 | 3.96 | |
| Mids | — | — | |
| N/Mags | 0.060 | 2.29 | |
| | 0.496 | 18.90 | |
| Total | 2.624 | 100.00 | |
| Slimes | 0.376 | | |
| Total Sample | 3.000 | | |

COMMENTS:

845183

SAMPLE NO. 8

MICRON NO. 38266

182

Co-ords 10 000 N

10 000 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.059 | 4.23 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.332 | 23.78 | |
| 1 | 0.068 | 4.87 | |
| 2 | 0.068 | 4.87 | |
| Mids | 0.096 | 6.88 | |
| N/Mags | 0.347 | 24.86 | |
| | 0.911 | 65.26 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.086 | 6.16 | |
| 1 | 0.145 | 10.39 | |
| 2 | 0.136 | 9.74 | |
| Mids | — | — | |
| N/Mags | 0.059 | 4.23 | |
| | 0.426 | 30.52 | |
| Total | 1.396 | 100.00 | |
| Slimes | 0.304 | | |
| Total Sample | 1.700 | | |

COMMENTS:

845184
183

SAMPLE NO. 9

MICRON NO. 37419

Co-ords 10 000 N
10 200 E
Depths 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.010 | 0.52 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.020 | 1.04 | |
| 1 | 0.041 | 2.14 | |
| 2 | 0.221 | 11.51 | |
| Mids | 0.416 | 21.67 | |
| N/Mags | 0.548 | 28.54 | |
| | 1.246 | 64.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.077 | 4.01 | |
| 1 | 0.345 | 17.97 | |
| 2 | 0.177 | 9.22 | |
| Mids | — | — | |
| N/Mags | 0.065 | 3.39 | |
| | 0.664 | 34.59 | |
| Total | 1.920 | 100.00 | |
| Slimes | 0.680 | | |
| Total Sample | 2.600 | | |

COMMENTS:

845185

SAMPLE NO. 10

MICRON NO. 38263

Co-ords 10 000 N

9 800 E

Depths 0 - 1 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.037 | 5.86 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.146 | 23.14 | |
| 1 | 0.053 | 8.40 | |
| 2 | 0.036 | 5.71 | |
| Mids | 0.047 | 7.45 | |
| N/Mags | 0.194 | 30.74 | |
| | 0.476 | 75.44 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.056 | 8.87 | |
| 1 | 0.030 | 4.75 | |
| 2 | 0.014 | 2.22 | |
| Mids | — | — | |
| N/Mags | 0.018 | 2.85 | |
| | 0.118 | 18.69 | |
| Total | 0.631 | 100.00 | |
| Slimes | 0.069 | | |
| Total Sample | 0.700 | | |

COMMENTS:

845186
185

SAMPLE NO. 14

MICRON NO. 38275

Co-ords 10 100 N
9 700 E
Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.089 | 2.34 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.056 | 1.47 | |
| 1 | 0.400 | 10.50 | |
| 2 | 0.207 | 5.43 | |
| Mids | 0.708 | 18.58 | |
| N/Mags | 0.802 | 21.05 | |
| | 2.173 | 57.03 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.513 | 13.46 | |
| 1 | 0.637 | 16.72 | |
| 2 | 0.227 | 5.96 | |
| Mids | 0.069 | 1.81 | |
| N/Mags | 0.102 | 2.68 | |
| | 1.548 | 40.63 | |
| Total | 3.810 | 100.00 | |
| Slimes | 1.590 | | |
| Total Sample | 5.400 | | |

COMMENTS:

845187
186

DRILL HOLE SAMPLE NO. 14

MICRON NO. 3808

Co-ords 10100 N

9700 E

Depths 3-4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|---------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (1.304) | (37.04) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.112 | 3.18 | |
| 1 | 0.451 | 12.81 | |
| 2 | 0.342 | 9.72 | |
| Mids | 0.196 | 5.57 | |
| N/Mags | 0.348 | 9.89 | |
| | (1.449) | (41.17) | |
| Total (0.5mm) | 2.753 | 78.21 | |
| Slimes | 0.767 | 21.79 | |
| Total Sample | 3.520 | 100.0 | |

COMMENTS:

845188
187

SAMPLE NO. 17

MICRON NO. 37397

Co-ords 10 100 N
9 550 E
Depths 0 - 1 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.051 | 2.06 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.113 | 4.56 | |
| 1 | 0.064 | 2.58 | |
| 2 | 0.173 | 6.99 | |
| Mids | 0.418 | 16.88 | |
| N/Mags | 0.614 | 24.80 | |
| | 1.382 | 55.81 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.212 | 8.56 | |
| 1 | 0.429 | 17.33 | |
| 2 | 0.281 | 11.35 | |
| Mids | 0.080 | 3.23 | |
| N/Mags | 0.041 | 1.66 | |
| | 1.043 | 42.13 | |
| Total | 2.476 | 100.00 | |
| Slimes | 0.724 | | |
| Total Sample | 3.200 | | |

COMMENTS:

845189

188

SAMPLE NO. 17

MICRON NO. 38265

Co-ords 10 100 N

9 500 E

Depths 7-8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.069 | 2.34 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.059 | 2.00 | |
| 1 | 0.124 | 4.20 | |
| 2 | 0.289 | 9.78 | |
| Mids | 0.354 | 11.98 | |
| N/Mags | 0.870 | 29.44 | |
| | 1.696 | 57.40 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.162 | 5.48 | |
| 1 | 0.514 | 17.39 | |
| 2 | 0.394 | 13.33 | |
| Mids | 0.059 | 2.00 | |
| N/Mags | 0.061 | 2.06 | |
| | 1.190 | 40.26 | |
| Total | 2.955 | 100.00 | |
| Slimes | 0.891 | | |
| Total Sample | 3.846 | | |

COMMENTS:

845190 189

DRILL HOLE SAMPLE NO. 17B HOKG

MICRON NO 38147

Co-ords 16100 N

9500 E

Depths 9-10 M

23



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|---------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (0.425) | (8.48) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.010 | 0.20 | |
| 1 | 0.163 | 3.25 | |
| 2 | 0.234 | 4.67 | |
| Mids | 0.232 | 4.63 | |
| N/Mags | 0.310 | 6.19 | |
| | (0.949) | (18.94) | |
| Total (0.5mm) | 1.374 | 27.42 | |
| Slimes | 3.637 | 72.58 | |
| Total Sample | 5.011 | 100.0 | |

COMMENTS:

845191

DRILL HOLE SAMPLE NO. 18

MICRON NO. 38083

190

Co-ords 10050 N

9550 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.795 | 16.54 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.055 | 1.14 | |
| 1 | 0.285 | 5.93 | |
| 2 | 0.174 | 3.62 | |
| Mids | 0.050 | 1.04 | |
| N/Mags | 0.620 | 12.90 | |
| | 1.184 | 24.63 | |
| Total (0.5mm) | 1.979 | 41.17 | |
| Slimes | 2.828 | 58.83 | |
| Total Sample | 4.807 | 100.0 | |

COMMENTS:

191 845192

SAMPLE NO. 18

MICRON NO. 38270

Co-ords 10 050 N

9 550 E

Depths 3-4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | — | — | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.002 | 0.06 | |
| 1 | 0.002 | 0.06 | |
| 2 | 0.037 | 1.08 | |
| Mids | 0.261 | 7.64 | |
| N/Mags | 0.401 | 11.75 | |
| | 0.703 | 20.59 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.362 | 10.60 | |
| 1 | 1.272 | 37.26 | |
| 2 | 0.261 | 7.64 | |
| Mids | 0.391 | 11.45 | |
| N/Mags | 0.425 | 12.45 | |
| | 2.711 | 79.40 | |
| Total | 3.414 | 100.00 | |
| Slimes | 5.486 | | |
| Total Sample | 8.900 | | |

COMMENTS:

845193
192

SAMPLE NO. 18

MICRON NO. 37445

Co-ords 10 050 N
9 550 E
Depths 5 - 7 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.003 | 0.12 | |
| 1 | 0.014 | 0.55 | |
| 2 | 0.021 | 0.82 | |
| Mids | 0.172 | 6.73 | |
| N/Mags | 0.795 | 31.09 | |
| | 1.005 | 39.31 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.018 | 0.70 | |
| 1 | 0.446 | 17.44 | |
| 2 | 0.234 | 9.15 | |
| Mids | 0.333 | 13.02 | |
| N/Mags | 0.521 | 20.38 | |
| | 1.552 | 60.69 | |
| Total | 2.557 | 100.00 | |
| Slimes | 10.843 | | |
| Total Sample | 13.400 | | |

COMMENTS:

845194

193

DRILL HOLE SAMPLE NO. 19

3 MICRON NO. 38084

Co-ords 10100 N

9500 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 2.340 | 32.88 | - |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.135 | 1.90 | |
| 1 | 0.484 | 6.80 | |
| 2 | 0.554 | 7.78 | |
| Mids | 0.230 | 3.23 | |
| N/Mags | 0.960 | 13.49 | |
| | 2.363 | 33.20 | |
| Total (0.5mm) | 4.703 | 66.08 | |
| Slimes | 2.414 | 33.92 | |
| Total Sample | 7.117 | 100.0 | |

COMMENTS:

845196

DRILL HOLE SAMPLE NO. 20

9 MICRON NO. 3809C

195

Co-ords 10100 N

9450 E

Depths 1-4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (3.920 | 38.43) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.056 | 0.55 ✓ | |
| 1 | 0.786 | 7.72 | |
| 2 | 0.780 | 7.64 | |
| Mids | 0.340 | 3.33 | |
| N/Mags | 0.610 | 5.98 | |
| | (2.572 | 25.22) | |
| Total (0.5mm) | 6.492 | 63.65 | |
| Slimes | 3.708 | 36.35 | |
| Total Sample | 10.200 | 100.0 | |

COMMENTS:

845197

196

SAMPLE NO. 21

MICRON NO. 37401

Co-ords 10 100 N

9 400 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.237 | 4.61 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.197 | 3.83 | |
| 1 | 0.135 | 2.63 | |
| 2 | 0.321 | 6.24 | |
| Mids | 0.743 | 14.45 | |
| N/Mags | 1.041 | 20.25 | |
| | 2.437 | 47.40 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.250 | 4.86 | |
| 1 | 0.196 | 3.84 | |
| 2 | 0.839 | 16.32 | |
| Mids | 0.173 | 3.39 | |
| N/Mags | 0.209 | 4.07 | |
| | 2.467 | 47.99 | |
| Total | 5.141 | 100.00 | |
| Slimes | 3.551 | | |
| Total Sample | 8.700 | | |

COMMENTS:

845198
197

SAMPLE NO. 21

MICRON NO. 37402

Co-ords 10 100 N
 9 400 E
Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.029 | 0.86 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.015 | 0.44 | |
| 1 | 0.017 | 0.50 | |
| 2 | 0.104 | 3.07 | |
| Mids | 0.277 | 8.17 | |
| N/Mags | 0.487 | 14.36 | |
| | 0.900 | 26.54 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.505 | 14.81 | |
| 1 | 0.762 | 22.44 | |
| 2 | 0.363 | 10.70 | |
| Mids | 0.299 | 8.82 | |
| N/Mags | 0.533 | 15.72 | |
| | 2.462 | 72.60 | |
| Total | 3.391 | 100.00 | |
| Slimes | 2.009 | | |
| Total Sample | 5.400 | | |

COMMENTS:

845199

SAMPLE NO. 21

MICRON NO. 374 04

198

Co-ords 10 100 N

9 400 E

Depths 7 - 8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.044 | 2.65 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.266 | 16.00 | |
| 1 | 0.112 | 6.74 | |
| 2 | 0.090 | 5.42 | |
| Mids | 0.447 | 26.90 | |
| N/Mags | 0.703 | 42.30 | |
| | 1.618 | 97.26 | |
| Total | 1.662 | 100.00 | |
| Slimes | 4.238 | | |
| Total Sample | 5.900 | | |

COMMENTS:

845200

199

SAMPLE NO. 21

MICRON NO. 374-05

Co-ords 10 100 N

9 400 E

Depths 9 - 10 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.036 | 2.66 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.211 | 15.58 | |
| 1 | 0.062 | 4.58 | |
| 2 | 0.105 | 7.75 | |
| Mids | 0.199 | 14.70 | |
| N/Mags | 0.741 | 54.73 | |
| | 1.318 | 17.34 | |
| Total | 1.554 | 100.00 | |
| Slimes | 7.746 | | |
| Total Sample | 6.100 | | |

COMMENTS:

845201

200

SAMPLE NO. 22

MICRON NO. 38268

Co-ords 10 050 N

9 400 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.130 | 2.46 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.140 | 2.65 | |
| 1 | 0.492 | 9.30 | |
| 2 | 0.468 | 8.84 | |
| Mids | 0.790 | 14.93 | |
| N/Mags | 1.022 | 19.31 | |
| | 2.912 | 55.03 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.648 | 12.24 | |
| 1 | 0.597 | 11.28 | |
| 2 | 0.690 | 13.04 | |
| Mids | 0.178 | 3.36 | |
| N/Mags | 0.137 | 2.59 | |
| | 2.250 | 42.51 | |
| Total | 5.292 | 100.00 | |
| Slimes | 1.940 | | |
| Total Sample | 7.232 | | |

COMMENTS:

845202

201

SAMPLE NO. 22

MICRON NO. 37450

Co-ords 10 050 N

9 400 E

Depths 5 - 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.028 | 1.33 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.156 | 55.00 | |
| 1 | 0.071 | 3.38 | |
| 2 | 0.063 | 3.00 | |
| Mids | 0.265 | 12.61 | |
| N/Mags | 0.519 | 24.69 | |
| | 2.074 | 98.68 | |
| Total | 2.102 | 100.00 | |
| Slimes | 3.498 | | |
| Total Sample | 5.600 | | |

COMMENTS:

845203

202

SAMPLE NO. 22

MICRON NO. 38282

Co-ords 10 050 N

9 400 E

Depths 7-8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | — | — | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.003 | 0.22 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.017 | 1.25 | |
| 1 | 0.028 | 2.06 | |
| 2 | 0.047 | 3.46 | |
| Mids | 0.502 | 36.97 | |
| N/Mags | 0.761 | 56.04 | |
| | 1.355 | 99.78 | |
| Total | 1.358 | 100.00 | |
| Slimes | 8.042 | | |
| Total Sample | 9.400 | | |

COMMENTS:

845204

203

SAMPLE NO. 23

MICRON NO. 38285

Co-ords 10 000 N

9 400 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.040 | 1.11 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.093 | 2.57 | |
| 1 | 0.179 | 4.95 | |
| 2 | 0.543 | 15.00 | |
| Mids | 0.582 | 16.08 | |
| N/Mags | 0.713 | 19.70 | |
| | 2.110 | 58.30 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.088 | 2.43 | |
| 1 | 0.622 | 17.19 | |
| 2 | 0.542 | 14.98 | |
| Mids | 0.082 | 2.27 | |
| N/Mags | 0.135 | 3.73 | |
| | 1.469 | 40.60 | |
| Total | 3.619 | 100.00 | |
| Slimes | 1.781 | | |
| Total Sample | 5.400 | | |

COMMENTS:

845205

204

SAMPLE NO. 23

MICRON NO. 38295

Co-ords 10 000 N

9 400 E

Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.013 | 0.67 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.015 | 0.78 | |
| 1 | 0.014 | 0.72 | |
| 2 | 0.093 | 4.81 | |
| Mids | 0.144 | 7.45 | |
| N/Mags | 0.347 | 17.94 | |
| | 0.613 | 31.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.168 | 8.69 | |
| 1 | 0.188 | 9.72 | |
| 2 | 0.089 | 4.60 | |
| Mids | 0.099 | 5.12 | |
| N/Mags | 0.764 | 39.50 | |
| | 1.308 | 67.63 | |
| Total | 1.934 | 100.00 | |
| Slimes | 4.166 | | |
| Total Sample | 6.100 | | |

COMMENTS:

845206
205

 SAMPLE NO. 23

MICRON NO. 374-06

Co-ords 10 000 N
9 400 E
Depths 5 - 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.013 | 0.77 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.053 | 3.15 | |
| 1 | 0.117 | 6.94 | |
| 2 | 0.089 | 5.28 | |
| Mids | 0.624 | 37.53 | |
| N/Mags | 0.789 | 46.82 | |
| | 1.672 | 99.22 | |
| Total | 1.635 | 100.00 | |
| Slimes | 4.615 | | |
| Total Sample | 6.300 | | |

COMMENTS:

845207

206

SAMPLE NO. 25

MICRON NO. 38274

Co-ords 10 000 N

9 500 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.036 | 1.22 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.132 | 4.46 | |
| 1 | 0.088 | 2.97 | |
| 2 | 0.173 | 5.85 | |
| Mids | 0.238 | 8.05 | |
| N/Mags | 0.751 | 25.39 | |
| | 1.382 | 46.72 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.118 | 3.99 | |
| 1 | 0.785 | 26.54 | |
| 2 | 0.323 | 10.92 | |
| Mids | 0.175 | 5.92 | |
| N/Mags | 0.139 | 4.70 | |
| | 1.540 | 52.07 | |
| Total | 2.958 | 100.00 | |
| Slimes | 1.542 | | |
| Total Sample | 4.500 | | |

COMMENTS:

845208

~~XXXXXXXXXX~~ SAMPLE NO. 25

MICRON NO. 38287

207

Co-ords 10 000 N
9 500 E
 Depths 3-4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.048 | 3.93 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.052 | 4.26 | |
| 1 | 0.075 | 6.15 | |
| 2 | 0.030 | 2.46 | |
| Mids | 0.645 | 52.87 | |
| N/Mags | 0.370 | 30.33 | |
| | 1.172 | 96.07 | |
| Total | 1.220 | 100.00 | |
| Slimes | 3.280 | | |
| Total Sample | 4.500 | | |

COMMENTS:

845209

SAMPLE NO. 25

MICRON NO. 37451

208

Co-ords 10 000 N

9 500 E

Depths 5 - 7 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.024 | 1.56 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.576 | 37.43 | |
| 1 | 0.289 | 18.78 | |
| 2 | 0.046 | 2.99 | |
| Mids | 0.133 | 8.64 | |
| N/Mags | 0.471 | 30.60 | |
| | 1.515 | 98.44 | |
| Total | 1.531 | 100.00 | |
| Slimes | 5.661 | | |
| Total Sample | 7.200 | | |

COMMENTS:

845210

209

DRILL HOLE SAMPLE NO. ~~16~~ 26

MICRON NO. 38157

Co-ords 10 000 N

9 600 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.096 | 2.97 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.236 | 7.30 | |
| 1 | 0.146 | 4.52 | |
| 2 | 0.472 | 14.60 | |
| Mids | 0.240 | 7.42 | |
| N/Mags | 0.472 | 14.60 | |
| | 1.566 | 48.44 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.220 | 6.80 | |
| 1 | 0.856 | 26.48 | |
| 2 | 0.157 | 4.86 | |
| Mids | 0.071 | 2.20 | |
| N/Mags | 0.267 | 8.26 | |
| | 1.571 | 48.60 | |
| Total | 3.233 | | |
| Slimes | 3.177 | | |
| Total Sample | 6.400 | | |

COMMENTS:

845211

DRILL HOLE SAMPLE NO. ?? 26

MICRON NO. 38286

210

Co-ords 10 000 N9 600 EDepths 3 - 4 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.006 | 1.03 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.104 | 17.93 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.097 | 16.72 | |
| 1 | 0.079 | 13.62 | |
| 2 | 0.056 | 9.66 | |
| Mids | 0.140 | 24.14 | |
| N/Mags | 0.098 | 16.90 | |
| | 0.470 | 81.04 | |
| Total | 0.580 | 100.00 | |
| Slimes | 0.920 | | |
| Total Sample | 1.500 | | |

COMMENTS:

845212

211

SAMPLE NO. 26

MICRON NO. 37407

Co-ords 10 000 N

9 600 E

Depths 5 - 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.036 | 2.57 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.187 | 13.37 | |
| 1 | 0.198 | 14.15 | |
| 2 | 0.117 | 8.36 | |
| Mids | 0.270 | 19.30 | |
| N/Mags | 0.591 | 42.24 | |
| | 1.363 | 97.42 | |
| Total | 1.399 | 100.00 | |
| Slimes | 2.801 | | |
| Total Sample | 4.200 | | |

COMMENTS:

845213

212

SAMPLE NO. 26

MICRON NO. 374 33

Co-ords 10 000 N

9 600 E

Depths 7 -9 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.050 | 1.53 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.708 | 21.64 | |
| 1 | 0.577 | 17.64 | |
| 2 | 0.185 | 5.66 | |
| Mids | 0.651 | 19.90 | |
| N/Mags | 1.100 | 33.63 | |
| | 3.221 | 98.47 | |
| Total | 3.271 | 100.00 | |
| Slimes | 5.329 | | |
| Total Sample | 8.600 | | |

COMMENTS:

845214

213

DRILL HOLE SAMPLE NO. 27

MICRON NO. 38144

20

Co-ords 10000 N

9700 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (1.830 | 46.18) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.080 | 2.02 | |
| 1 | 0.306 | 7.72 | |
| 2 | 0.712 | 17.97 | |
| Mids N/Mags +250 | 0.068 | 1.72 | |
| N/Mags -250 | 0.220 | 5.55 | |
| | (1.386 | 34.97) | |
| Total (0.5mm) | 3.216 | 81.15 | |
| Slimes | 0.747 | 18.85 | |
| Total Sample | 3.963 | 100.0 | |

COMMENTS:

845215

DRILL HOLE SAMPLE NO. 27MICRON NO. 38146

Co-ords

10000 N97005 E

Depths

3-5 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (0.407 | 11.36) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.460 | 12.83 | |
| 1 | NIL | - | |
| 2 | 0.171 | 4.77 | |
| Mids | 0.065 | 1.81 | |
| N/Mags | | | |
| | (0.696 | 19.12) | |
| Total (0.5mm) | 1.103 | 30.78 | |
| Slimes | 2.481 | 69.22 | |
| Total Sample | 3.584 | 100.0 | |

COMMENTS:

215

845216

SAMPLE NO. 28

MICRON NO. 38234

Co-ords 10 000 N

9 800 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.131 | 5.79 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.266 | 11.76 | |
| 1 | 0.221 | 9.77 | |
| 2 | 0.174 | 7.70 | |
| Mids | 0.329 | 14.55 | |
| N/Mags | 0.317 | 14.02 | |
| | 1.307 | 57.80 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.155 | 6.85 | |
| 1 | 0.451 | 19.95 | |
| 2 | 0.058 | 2.57 | |
| Mids | — | — | |
| N/Mags | 0.159 | 7.03 | |
| | 0.823 | 36.40 | |
| Total | 2.261 | 100.00 | |
| Slimes | 1.189 | | |
| Total Sample | 3.450 | | |

COMMENTS:

216
845217

~~XXXXXXXXXX~~ SAMPLE NO. 28

MICRON NO. 38233

Co-ords 10 000 N

9 800 E

Depths 3-6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.009 | 0.50 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.165 | 9.24 | |
| 1 | 0.106 | 5.94 | |
| 2 | 0.112 | 6.27 | |
| Mids | 0.174 | 9.75 | |
| N/Mags | 0.416 | 23.31 | |
| | 0.973 | 54.51 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.286 | 16.02 | |
| 1 | 0.277 | 15.52 | |
| 2 | 0.134 | 7.51 | |
| Mids | 0.053 | 2.91 | |
| N/Mags | 0.053 | 2.97 | |
| | 0.803 | 44.99 | |
| Total | 1.785 | 100.00 | |
| Slimes | 0.765 | | |
| Total Sample | 2.550 | | |

COMMENTS:

845218

217

SAMPLE NO. 29

MICRON NO. 374 15

Co-ords 10 000 N9 960 EDepths 1 - 2 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.150 | 4.53 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.371 | 11.19 | |
| 1 | 0.622 | 18.77 | |
| 2 | 0.207 | 6.16 | |
| Mids | 0.184 | 5.55 | |
| N/Mags | 0.656 | 19.79 | |
| | 2.037 | 61.46 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.307 | 7.26 | |
| 1 | 0.617 | 18.62 | |
| 2 | 0.137 | 4.13 | |
| Mids | — | — | |
| N/Mags | 0.066 | 1.99 | |
| | 1.127 | 34.00 | |
| Total | 3.914 | 100.00 | |
| Slimes | 0.786 | | |
| Total Sample | 4.100 | | |

COMMENTS:

845219

218

SAMPLE NO. 29

MICRON NO. 37416

Co-ords 10 000 N

9 900 E

Depths 4 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.038 | 2.17 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.180 | 10.29 | |
| 1 | 0.270 | 15.44 | |
| 2 | 0.107 | 6.12 | |
| Mids | 0.106 | 6.06 | |
| N/Mags | 0.394 | 22.53 | |
| | 1.057 | 60.44 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.168 | 9.61 | |
| 1 | 0.351 | 18.01 | |
| 2 | 0.121 | 6.92 | |
| Mids | — | — | |
| N/Mags | 0.050 | 2.86 | |
| | 0.654 | 37.40 | |
| Total | 1.749 | 100.00 | |
| Slimes | 0.751 | | |
| Total Sample | 2.500 | | |

COMMENTS:

219
845220

SAMPLE NO. 29

MICRON NO. 374 18

Co-ords 10 000 N

9 900 E

Depths 5 - 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.037 | 1.82 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.008 | 0.39 | |
| 1 | 0.017 | 0.83 | |
| 2 | 0.280 | 13.75 | |
| Mids | 0.367 | 18.03 | |
| N/Mags | 0.662 | 32.51 | |
| | 1.334 | 65.51 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.073 | 3.59 | |
| 1 | 0.273 | 13.41 | |
| 2 | 0.222 | 10.90 | |
| Mids | 0.051 | 2.50 | |
| N/Mags | 0.076 | 2.26 | |
| | 0.665 | 32.66 | |
| Total | 2.036 | 100.00 | |
| Slimes | 0.464 | | |
| Total Sample | 2.500 | | |

COMMENTS:

845221

220

DRILL HOLE SAMPLE NO. 29Co-ords 10000 N9900 EDepths SAMPLE 7 #MICRON NO. 38145

21



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (0.875 | 23.18) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.570 | 15.10 | |
| 1 | 0.440 | 11.66 | |
| 2 | 0.445 | 11.79 | |
| Mids | 0.064 | 1.70 | |
| N/Mags | | | |
| | (1.519 | 40.25) | |
| Total (0.5mm) | 23.94 | 63.43 | |
| Slimes | 1.380 | 36.57 | |
| Total Sample | 3.774 | 100.0 | |

COMMENTS:

845222

221

SAMPLE NO. 30

MICRON NO. 37412

Co-ords 10 000 N

9 950 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.050 | 2.15 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.081 | 3.48 | |
| 1 | 0.036 | 1.55 | |
| 2 | 0.255 | 10.95 | |
| Mids | 0.516 | 22.16 | |
| N/Mags | 0.667 | 28.64 | |
| | 1.535 | 66.78 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.027 | 1.16 | |
| 1 | 0.271 | 11.64 | |
| 2 | 0.290 | 12.45 | |
| Mids | 0.067 | 2.88 | |
| N/Mags | 0.069 | 2.96 | |
| | 0.724 | 31.09 | |
| Total | 2.329 | 100.00 | |
| Slimes | 0.771 | | |
| Total Sample | 3.100 | | |

COMMENTS:

845223

SAMPLE NO. 30

MICRON NO. 374-14

222

Co-ords 10 000 N9 950 EDepths 3 - 4 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.010 | 0.51 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.010 | 0.51 | |
| 1 | 0.041 | 2.11 | |
| 2 | 0.220 | 11.31 | |
| Mids | 0.394 | 20.25 | |
| N/Mags | 0.617 | 31.71 | |
| | 1.282 | 65.89 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.107 | 5.50 | |
| 1 | 0.244 | 12.54 | |
| 2 | 0.243 | 12.49 | |
| Mids | 0.041 | 2.11 | |
| N/Mags | 0.019 | 0.78 | |
| | 0.654 | 33.62 | |
| Total | 1.946 | 100.00 | |
| Slimes | 0.554 | | |
| Total Sample | 2.500 | | |

COMMENTS:

845224

SAMPLE NO. 30

MICRON NO. 37411

Co-ords 10 000 N

9 950 E

Depths 5-6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.310 | 13.27 | |
| 1 | 0.669 | 28.64 | |
| 2 | 0.151 | 6.46 | |
| Mids | 0.093 | 3.98 | |
| N/Mags | 0.166 | 7.11 | |
| | 1.389 | 59.46 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.608 | 26.03 | |
| 1 | 0.204 | 8.73 | |
| 2 | 0.105 | 4.49 | |
| Mids | — | — | |
| N/Mags | 0.030 | 1.28 | |
| | 0.947 | 40.53 | |
| Total | 2.336 | 100.00 | |
| Slimes | 1.064 | | |
| Total Sample | 3.400 | | |

COMMENTS:

845225

22A

SAMPLE NO. 30

MICRON NO. 374 09

Co-ords 10 000 N

9 950 E

Depths 7 - 8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.028 | 1.07 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.005 | 0.19 | |
| 1 | 0.017 | 0.65 | |
| 2 | 0.159 | 6.08 | |
| Mids | 0.445 | 17.01 | |
| N/Mags | 0.861 | 32.91 | |
| | 1.487 | 56.84 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.011 | 0.42 | |
| 1 | 0.435 | 16.63 | |
| 2 | 0.471 | 18.00 | |
| Mids | 0.082 | 3.13 | |
| N/Mags | 0.102 | 3.90 | |
| | 1.101 | 42.08 | |
| Total | 2.616 | 100.00 | |
| Slimes | 0.784 | | |
| Total Sample | 3.400 | | |

COMMENTS:

845226

SAMPLE NO. 30

MICRON NO. 37410

Co-ords 10 000 N9 950 EDepths 9 - 10 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.014 | 0.46 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.008 | 0.26 | |
| 1 | 0.021 | 0.69 | |
| 2 | 0.486 | 15.91 | |
| Mids | 0.501 | 16.40 | |
| N/Mags | 0.607 | 19.87 | |
| | 1.623 | 53.13 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.216 | 7.07 | |
| 1 | 0.406 | 13.29 | |
| 2 | 0.150 | 4.91 | |
| Mids | 0.614 | 20.10 | |
| N/Mags | 0.032 | 1.05 | |
| | 1.418 | 46.42 | |
| Total | 3.055 | 100.00 | |
| Slimes | 1.045 | | |
| Total Sample | 4.100 | | |

COMMENTS:

845227

226

DRILL HOLE SAMPLE NO. 31

Co-ords 10000 N

10000 E

Depths 1-2 M

18 MICRON NO. 38143



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.856 | 29.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.030 | 1.04 | |
| 1 | 0.186 | 6.45 | |
| 2 | 0.218 | 7.56 | |
| Mids | 0.248 | 8.61 | |
| N/Mags | | | |
| | 0.682 | 23.66 | |
| Total (0.5mm) | 1.538 | 53.36 | |
| Slimes | 1.344 | 46.64 | |
| Total Sample | 2.882 | 100.0 | |

COMMENTS:

845228

SAMPLE NO. 31

MICRON NO. 38276

227

Co-ords 10 000 N

10 000 E

Depths 3 - 4 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.030 | 2.02 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.194 | 13.06 | |
| 1 | 0.066 | 4.44 | |
| 2 | 0.128 | 8.62 | |
| Mids | 0.134 | 9.02 | |
| N/Mags | 0.328 | 22.09 | |
| | 0.850 | 57.23 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.190 | 12.79 | |
| 1 | 0.177 | 11.92 | |
| 2 | 0.194 | 13.06 | |
| Mids | — | — | |
| N/Mags | 0.044 | 2.96 | |
| | 0.605 | 40.73 | |
| Total | 1.485 | 100.00 | |
| Slimes | 1.415 | | |
| Total Sample | 2.900 | | |

COMMENTS:

845229

228

DRILL HOLE SAMPLE NO. 31

MICRON NO. 38143

19

Co-ords 10000 N

10000 E

Depths 5-6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.1120 | 15.93 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.010 | 0.38 | |
| 1 | 0.172 | 6.53 | |
| 2 | 0.123 | 4.67 | |
| Mids | 0.081 | 3.07 | |
| N/Mags | | | |
| | 0.386 | 14.64 | |
| Total (0.5mm) | 0.806 | 30.58 | |
| Slimes | 1.830 | 69.42 | |
| Total Sample | 2.636 | 100.0 | |

COMMENTS:

845230

SAMPLE NO. 31

MICRON NO. 38272

229

Co-ords 10 000 N

10 000 E

Depths 7 - 8 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.004 | 0.25 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.015 | 0.94 | |
| 1 | 0.064 | 4.03 | |
| 2 | 0.222 | 13.98 | |
| Mids | 0.268 | 16.88 | |
| N/Mags | 0.333 | 20.97 | |
| | 0.902 | 56.80 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.264 | 16.62 | |
| 1 | 0.267 | 16.81 | |
| 2 | 0.133 | 8.38 | |
| Mids | — | — | |
| N/Mags | 0.018 | 1.13 | |
| | 0.682 | 42.94 | |
| Total | 1.588 | 100.00 | |
| Slimes | 1.612 | | |
| Total Sample | 3.200 | | |

COMMENTS:

845231

230

SAMPLE NO. 31

MICRON NO. 37399

Co-ords 10 000 N

10 000 E

Depths 9 - 10 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.011 | 0.39 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.008 | 0.28 | |
| 1 | 0.252 | 8.84 | |
| 2 | 0.342 | 11.99 | |
| Mids | 0.625 | 21.91 | |
| N/Mags | 0.316 | 28.61 | |
| | 2.043 | 71.63 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.016 | 3.37 | |
| 1 | 0.338 | 11.35 | |
| 2 | 0.202 | 4.08 | |
| Mids | 0.057 | 3.05 | |
| N/Mags | 0.075 | 2.63 | |
| | 0.798 | 27.93 | |
| Total | 2.852 | 100.00 | |
| Slimes | 3.548 | | |
| Total Sample | 6.400 | | |

COMMENTS:

231

845232

Co-ords 10 000 N
10 000 E
 Depths 11-12 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.005 | 0.23 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.005 | 0.23 | |
| 1 | 0.031 | 1.46 | |
| 2 | 0.098 | 4.60 | |
| Mids | 0.550 | 25.82 | |
| N/Mags | 0.915 | 42.96 | |
| | 1.599 | 75.07 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.030 | 1.41 | |
| 1 | 0.115 | 5.40 | |
| 2 | 0.262 | 12.30 | |
| Mids | 0.086 | 4.04 | |
| N/Mags | 0.033 | 1.55 | |
| | 0.526 | 24.70 | |
| Total | 2.130 | 100.00 | |
| Slimes | 3.970 | | |
| Total Sample | 6.100 | | |

COMMENTS:

232

SAMPLE NO. 32

MICRON NO. 38290

845233

Co-ords 10 000 N10 050 EDepths 1 - 2 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.225 | 5.14 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.815 | 18.60 | |
| 1 | 0.216 | 4.93 | |
| 2 | 0.357 | 8.15 | |
| Mids | 0.536 | 12.23 | |
| N/Mags | 0.753 | 17.19 | |
| | 2.677 | 61.10 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.315 | 7.19 | |
| 1 | 0.632 | 14.43 | |
| 2 | 0.364 | 8.31 | |
| Mids | 0.066 | 1.51 | |
| N/Mags | 0.102 | 2.33 | |
| | 1.479 | 33.77 | |
| Total | 4.381 | 100.00 | |
| Slimes | 1.819 | | |
| Total Sample | 6.200 | | |

COMMENTS:

233

845234

 SAMPLE NO. 32

MICRON NO. 38289

Co-ords 10 000 N

10 050 E

Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.039 | 1.90 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.118 | 5.74 | |
| 1 | 0.067 | 3.26 | |
| 2 | 0.149 | 7.24 | |
| Mids | 0.274 | 13.32 | |
| N/Mags | 0.333 | 16.19 | |
| | 0.941 | 45.75 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.228 | 11.08 | |
| 1 | 0.481 | 23.38 | |
| 2 | 0.201 | 9.77 | |
| Mids | 0.085 | 4.13 | |
| N/Mags | 0.082 | 3.99 | |
| | 1.077 | 52.35 | |
| Total | 2.057 | 100.00 | |
| Slimes | 1.443 | | |
| Total Sample | 3.500 | | |

COMMENTS:

~~WELL NO.~~ SAMPLE NO. 32

MICRON NO. 38284

234

Co-ords 10 000 N

10 050 E

Depths 5 - 6 M

845235



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.003 | 0.18 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.009 | 0.54 | |
| 1 | 0.152 | 9.21 | |
| 2 | 0.116 | 7.03 | |
| Mids | 0.206 | 12.48 | |
| N/Mags | 0.453 | 27.44 | |
| | 0.936 | 56.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.035 | 2.12 | |
| 1 | 0.268 | 16.23 | |
| 2 | 0.271 | 16.41 | |
| Mids | 0.071 | 4.30 | |
| N/Mags | 0.067 | 4.06 | |
| | 0.712 | 43.12 | |
| Total | 1.651 | 100.00 | |
| Slimes | 1.788 | | |
| Total Sample | 2.500 | | |

COMMENTS:

DRILL HOLE SAMPLE NO. 33

MICRON NO. 38262

Co-ords 9950 N

10000 E

Depths 1-2 M



235
845236

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.162 | 5.71 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.522 | 18.39 | |
| 1 | 0.276 | 9.73 | |
| 2 | 0.214 | 7.54 | |
| Mids | 0.237 | 8.35 | |
| N/Mags | 0.684 | 24.10 | |
| | 1.933 | 68.11 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.141 | 4.97 | |
| 1 | 0.264 | 9.30 | |
| 2 | 0.196 | 6.91 | |
| Mids | 0.059 | 2.08 | |
| N/Mags | 0.083 | 2.92 | |
| | 0.743 | 26.18 | |
| Total | 2.838 | 100.00 | |
| Slimes | 2.562 | | |
| Total Sample | 5.400 | | |

COMMENTS:

SAMPLE NO. 33

MICRON NO. 37394

Co-ords 9 950 N

10 000 E

Depths 5 - 6 M



236
845237

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.021 | 0.76 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.011 | 0.40 | |
| 1 | 0.141 | 5.11 | |
| 2 | 0.158 | 5.72 | |
| Mids | 0.397 | 14.38 | |
| N/Mags | 1.021 | 36.98 | |
| | 1.728 | 62.59 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.142 | 5.14 | |
| 1 | 0.376 | 13.62 | |
| 2 | 0.181 | 6.56 | |
| Mids | 0.201 | 7.28 | |
| N/Mags | 0.112 | 4.06 | |
| | 1.012 | 36.66 | |
| Total | 2.761 | 100.00 | |
| Slimes | 2.339 | | |
| Total Sample | 5.100 | | |

COMMENTS:

845238

237

Co-ords 9 950 N10 000 EDepths 9 - 10 MMICRON NO. 37417SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.045 | 1.50 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.008 | 0.27 | |
| 1 | 0.090 | 3.00 | |
| 2 | 0.414 | 13.79 | |
| Mids | 0.448 | 14.92 | |
| N/Mags | 0.744 | 24.73 | |
| | 1.704 | 56.76 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.165 | 5.50 | |
| 1 | 0.595 | 19.82 | |
| 2 | 0.391 | 13.02 | |
| Mids | — | — | |
| N/Mags | 0.102 | 3.40 | |
| | 1.253 | 41.74 | |
| Total | 3.002 | | |
| Slimes | 0.898 | | |
| Total Sample | 3.900 | | |

COMMENTS:

845239

SAMPLE NO. 33

MICRON NO. 37420

238

Co-ords 9950 N10 000 EDepths 11 - 12 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.079 | 2.37 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.006 | 0.18 | |
| 1 | 0.074 | 2.22 | |
| 2 | 0.493 | 14.76 | |
| Mids | 0.688 | 20.60 | |
| N/Mags | 0.615 | 18.42 | |
| | 1.876 | 56.18 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.117 | 3.50 | |
| 1 | 0.711 | 21.29 | |
| 2 | 0.470 | 14.08 | |
| Mids | — | — | |
| N/Mags | 0.086 | 2.58 | |
| | 1.384 | 41.45 | |
| Total | 3.339 | 100.00 | |
| Slimes | 1.261 | | |
| Total Sample | 4.600 | | |

COMMENTS:

845240

SAMPLE NO. 33

MICRON NO. 37438

Co-ords 9 950 N10 000 EDepths 13-14 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.032 | 0.87 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.020 | 0.55 | |
| 1 | 0.182 | 4.97 | |
| 2 | 0.576 | 15.72 | |
| Mids | 0.580 | 15.83 | |
| N/Mags | 0.715 | 19.51 | |
| | 2.073 | 56.58 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.369 | 10.07 | |
| 1 | 0.933 | 25.46 | |
| 2 | 0.132 | 4.97 | |
| Mids | 0.049 | 1.34 | |
| N/Mags | 0.027 | 0.74 | |
| | 1.560 | 42.53 | |
| Total | 3.665 | 100.00 | |
| Slimes | 1.235 | | |
| Total Sample | 4.900 | | |

COMMENTS:

845241
240

SAMPLE NO. 33

MICRON NO. 37423

Co-ords 9 950 N
10 000 E
Depths 17 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.008 | 1.38 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | — | — | |
| 1 | 0.011 | 1.90 | |
| 2 | 0.062 | 10.71 | |
| Mids | — | — | |
| N/Mags | 0.136 | 23.49 | |
| | 0.209 | 36.10 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.061 | 10.54 | |
| 1 | 0.191 | 32.99 | |
| 2 | 0.046 | 7.94 | |
| Mids | — | — | |
| N/Mags | 0.064 | 11.05 | |
| | 0.362 | 62.52 | |
| Total | 0.579 | 100.00 | |
| Slimes | 0.521 | | |
| Total Sample | 1.100 | | |

COMMENTS:

845242

241

DRILL HOLE SAMPLE NO. 33Co-ords 9950 N10000 EDepths 7-8 MMICRON NO. 38140

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|---------------------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.860 | 34.50 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.080 | 3.21 | |
| 1 | 0.160 | 6.42 | |
| 2 | 0.215 | 8.62 | |
| Mids | 0.130 | 5.21 | |
| N/Mags | | | |
| | 0.585 | 23.47 | |
| Total (0.5mm) | 1.445 | 57.96 | |
| Slimes | 1.048 | 42.04 | |
| Total Sample | 2.493 | 100.0 | |

COMMENTS:

845243

242

SAMPLE NO. 34

MICRON NO. 38298

Co-ords 10 200 N

9 550 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.002 | 0.65 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.006 | 1.95 | |
| 1 | 0.008 | 2.60 | |
| 2 | 0.005 | 1.62 | |
| Mids | — | — | |
| N/Mags | 0.072 | 23.38 | |
| | 0.091 | 29.55 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.017 | 5.52 | |
| 1 | 0.064 | 20.78 | |
| 2 | 0.021 | 6.82 | |
| Mids | — | — | |
| N/Mags | 0.113 | 36.69 | |
| | 0.215 | 69.81 | |
| Total | 0.308 | 100.00 | |
| Slimes | 1.492 | | |
| Total Sample | 1.800 | | |

COMMENTS:

845244
243

SAMPLE NO. 34

MICRON NO. 37400

Co-ords 10 200 N

9 550 E

Depths 3-4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.013 | 1.09 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.005 | 0.42 | |
| 1 | 0.014 | 1.17 | |
| 2 | 0.021 | 1.75 | |
| Mids | 0.093 | 7.77 | |
| N/Mags | 0.658 | 54.77 | |
| | 0.791 | 66.08 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.022 | 1.84 | |
| 1 | 0.096 | 8.02 | |
| 2 | 0.038 | 3.17 | |
| Mids | 0.058 | 4.85 | |
| N/Mags | 0.179 | 14.95 | |
| | 0.393 | 32.83 | |
| Total | 1.197 | 100.00 | |
| Slimes | 2.903 | | |
| Total Sample | 4.100 | | |

COMMENTS:

845245

SAMPLE NO. 35

MICRON NO. 38296

Co-ords 10 150 N

9 400 E

Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.025 | 1.60 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.015 | 0.96 | |
| 1 | 0.065 | 4.15 | |
| 2 | 0.065 | 4.15 | |
| Mids | 0.245 | 15.65 | |
| N/Mags | 0.542 | 34.63 | |
| | 0.932 | 59.54 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.124 | 7.92 | |
| 1 | 0.238 | 15.21 | |
| 2 | 0.107 | 6.84 | |
| Mids | 0.035 | 2.24 | |
| N/Mags | 0.104 | 6.65 | |
| | 0.608 | 38.86 | |
| Total | 1.565 | 100.00 | |
| Slimes | 1.735 | | |
| Total Sample | 3.300 | | |

COMMENTS:

245

SAMPLE NO. 36

MICRON NO. 37436

Co-ords 10 150 N

9 550 E

Depths 1 - 2 M

845246

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.067 | 3.08 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.111 | 5.10 | |
| 1 | 0.056 | 2.57 | |
| 2 | 0.164 | 7.54 | |
| Mids | 0.194 | 8.92 | |
| N/Mags | 0.758 | 34.83 | |
| | 1.283 | 58.76 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.098 | 4.50 | |
| 1 | 0.344 | 15.81 | |
| 2 | 0.248 | 11.40 | |
| Mids | 0.072 | 3.31 | |
| N/Mags | 0.064 | 2.94 | |
| | 0.826 | 37.96 | |
| Total | 2.176 | 100.00 | |
| Slimes | 0.924 | | |
| Total Sample | 3.100 | | |

COMMENTS:

SAMPLE NO. 36

MICRON NO. 37422

246

Co-ords 10 150 N

9 550 E

Depths 3 - 4 M



845247 SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.109 | 3.33 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.148 | 4.52 | |
| 1 | 0.057 | 1.74 | |
| 2 | 0.216 | 6.60 | |
| Mids | 0.441 | 13.47 | |
| N/Mags | 0.908 | 27.73 | |
| | 1.770 | 54.06 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.235 | 7.18 | |
| 1 | 0.424 | 12.95 | |
| 2 | 0.365 | 11.15 | |
| Mids | 0.203 | 6.20 | |
| N/Mags | 0.168 | 5.13 | |
| | 1.395 | 42.61 | |
| Total | 3.274 | 100.00 | |
| Slimes | 1.326 | | |
| Total Sample | 4.600 | | |

COMMENTS:

247

SAMPLE NO. 36

MICRON NO. 374 53

Co-ords 10 150 N

9 550 E

Depths 5 - 6 M



845248

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.047 | 6.23 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.273 | 36.16 | |
| 1 | 0.119 | 15.76 | |
| 2 | 0.042 | 5.56 | |
| Mids | — | — | |
| N/Mags | 0.274 | 36.29 | |
| | 0.708 | 93.77 | |
| Total | 0.755 | 100.00 | |
| Slimes | 7.445 | | |
| Total Sample | 8.200 | | |

COMMENTS:

SAMPLE NO. 37

MICRON NO. 37396

Co-ords 9 900 N

10 100 E

Depths 1 - 2 M



248
845249

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.141 | 3.57 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.151 | 3.82 | |
| 1 | 0.069 | 1.75 | |
| 2 | 0.245 | 6.20 | |
| Mids | 0.706 | 17.88 | |
| N/Mags | 0.898 | 22.74 | |
| | 2.069 | 52.39 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.105 | 2.66 | |
| 1 | 0.801 | 20.28 | |
| 2 | 0.544 | 13.78 | |
| Mids | 0.165 | 4.18 | |
| N/Mags | 0.124 | 3.14 | |
| | 1.739 | 44.04 | |
| Total | 3.949 | 100.00 | |
| Slimes | 2.351 | | |
| Total Sample | 6.300 | | |

COMMENTS:

SAMPLE NO. 37

MICRON NO. 38148

Co-ords 9 900 N

10 100 E

Depths 3 - 4 M



249
845250

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.010 | 0.39 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.014 | 0.55 | |
| 1 | 0.141 | 5.52 | |
| 2 | 0.531 | 20.80 | |
| Mids | 0.132 | 5.17 | |
| N/Mags | 0.351 | 13.75 | |
| | 1.169 | 45.79 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.027 | 1.06 | |
| 1 | 0.576 | 22.56 | |
| 2 | 0.150 | 5.88 | |
| Mids | 0.219 | 8.58 | |
| N/Mags | 0.402 | 15.75 | |
| | 1.374 | 53.83 | |
| Total | 2.553 | 100.00 | |
| Slimes | 4.267 | | |
| Total Sample | 6.820 | | |

COMMENTS:

SAMPLE NO. 37

MICRON NO. 38258

Co-ords 9900 N

10 100 E

Depths 5 - 6 M



250
845251

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.030 | 0.80 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.038 | 1.02 | |
| 1 | 0.150 | 4.02 | |
| 2 | 0.170 | 4.55 | |
| Mids | 0.712 | 19.07 | |
| N/Mags | 0.614 | 16.45 | |
| | 1.684 | 45.11 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.524 | 40.83 | |
| 1 | 0.166 | 4.45 | |
| 2 | 0.184 | 4.93 | |
| Mids | 0.121 | 3.24 | |
| N/Mags | 0.023 | 0.62 | |
| | 2.018 | 54.07 | |
| Total | 3.732 | 100.00 | |
| Slimes | 1.667 | | |
| Total Sample | 5.400 | | |

COMMENTS:

845252

SAMPLE NO. 37

MICRON NO. 38257

Co-ords 9 900 N

10 100 E

Depths 7 - 8 M

251



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.005 | 0.24 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.009 | 0.44 | |
| 1 | 0.062 | 3.00 | |
| 2 | 0.243 | 11.75 | |
| Mids | 0.381 | 18.42 | |
| N/Mags | 0.570 | 27.56 | |
| | 1.265 | 61.17 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.256 | 12.38 | |
| 1 | 0.191 | 9.24 | |
| 2 | 0.250 | 12.09 | |
| Mids | 0.038 | 1.84 | |
| N/Mags | 0.063 | 3.05 | |
| | 0.798 | 38.60 | |
| Total | 2.068 | 100.00 | |
| Slimes | 0.595 | | |
| Total Sample | 2.663 | | |

COMMENTS:

845253

SAMPLE NO. 38

MICRON NO. 38259

Co-ords

9 700 N

10 000 E

Depths

1 - 2 M

252

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.060 | 1.72 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.028 | 29.54 | |
| 1 | 0.628 | 18.05 | |
| 2 | 0.202 | 5.80 | |
| Mids | 0.116 | 3.33 | |
| N/Mags | 0.257 | 7.39 | |
| | 2.231 | 64.11 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.853 | 24.51 | |
| 1 | 0.225 | 6.47 | |
| 2 | 0.083 | 2.39 | |
| Mids | — | — | |
| N/Mags | 0.028 | 0.80 | |
| | 1.189 | 34.17 | |
| Total | 3.480 | 100.00 | |
| Slimes | 0.502 | | |
| Total Sample | 3.982 | | |

COMMENTS:

845254

253

SAMPLE NO. 39

MICRON NO. 38278

Co-ords 9750 N

10000 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.050 | 2.30 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.441 | 20.31 | |
| 1 | 0.163 | 7.51 | |
| 2 | 0.169 | 7.78 | |
| Mids | 0.153 | 7.05 | |
| N/Mags | 0.361 | 16.63 | |
| | 1.287 | 59.28 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.358 | 16.49 | |
| 1 | 0.282 | 12.99 | |
| 2 | 0.153 | 7.05 | |
| Mids | — | — | |
| N/Mags | 0.041 | 1.89 | |
| | 0.834 | 38.42 | |
| Total | 2.171 | 100.00 | |
| Slimes | 2.829 | | |
| Total Sample | 5.000 | | |

COMMENTS:

845255

254

SAMPLE NO. 39

MICRON NO. 38256

Co-ords 9 700 N

10 000 E

Depths 3 - 5 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.020 | 0.47 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.540 | 36.54 | |
| 1 | 0.196 | 4.65 | |
| 2 | 0.095 | 2.25 | |
| Mids | 0.042 | 1.00 | |
| N/Mags | 0.105 | 2.49 | |
| | 1.978 | 46.93 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.581 | 37.52 | |
| 1 | 0.568 | 13.48 | |
| 2 | 0.044 | 1.04 | |
| Mids | — | — | |
| N/Mags | 0.023 | 0.55 | |
| | 2.216 | 52.59 | |
| Total | 4.214 | 100.00 | |
| Slimes | 0.654 | | |
| Total Sample | 4.868 | | |

COMMENTS:

845256

255

DRILL HOLE SAMPLE NO. 40

MICRON NO. 38141

Co-ords 9750 N

9950 E

Depths M

17



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.792 | 20.56 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.001 | 0.03 | |
| 1 | 0.240 | 6.23 | |
| 2 | | | |
| Mids | 0.254 | 6.59 | |
| N/Mags | | | |
| | 0.495 | 12.83 | |
| Total (0.5mm) | 1.288 | 33.41 | |
| Slimes | 2.565 | 66.59 | |
| Total Sample | 3.852 | 100 | |

COMMENTS:

845257

SAMPLE NO. 41

MICRON NO. 38149

Co-ords 9 700 N

9 900 E

Depths 1-3 M

256

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.139 | 9.35 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.320 | 21.52 | |
| 1 | 0.086 | 5.78 | |
| 2 | 0.112 | 7.53 | |
| Mids | 0.139 | 9.35 | |
| N/Mags | 0.212 | 14.26 | |
| | 0.869 | 58.44 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.266 | 17.89 | |
| 1 | 0.106 | 7.13 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.107 | 7.20 | |
| | 0.479 | 32.22 | |
| Total | 1.487 | | |
| Slimes | 4.833 | | |
| Total Sample | 6.320 | | |

COMMENTS:

845258

257

DRILL HOLE SAMPLE NO. 43

15 MICRON NO. 38439

Co-ords 9750 N

9800 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|--------------|--------------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | <u>0.504</u> | <u>40.97</u> | |
| Finest (- 0.5mm) | | | |
| Mags Hi | <u>0.110</u> | <u>8.94</u> | |
| 1 | <u>0.190</u> | <u>15.45</u> | |
| 2 | | | |
| Mids | <u>0.153</u> | <u>12.44</u> | |
| N/Mags | | | |
| | <u>0.453</u> | <u>36.83</u> | |
| Total (0.5mm) | <u>0.957</u> | <u>77.80</u> | |
| Slimes | <u>0.273</u> | <u>22.20</u> | |
| Total Sample | <u>1.230</u> | <u>100.0</u> | |

COMMENTS:

845259

258

SAMPLE NO. 45

MICRON NO. 37454

Co-ords 9 750 N

10 050 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.204 | 3.02 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.137 | 16.81 | |
| 1 | 1.539 | 22.75 | |
| 2 | 0.602 | 8.90 | |
| Mids | 0.456 | 6.74 | |
| N/Mags | 1.230 | 18.18 | |
| | 4.964 | 73.38 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.506 | 7.48 | |
| 1 | 0.651 | 9.62 | |
| 2 | 0.312 | 4.61 | |
| Mids | 0.062 | 0.92 | |
| N/Mags | 0.066 | 0.98 | |
| | 1.597 | 23.61 | |
| Total | 6.765 | 100.00 | |
| Slimes | 3.335 | | |
| Total Sample | 10.100 | | |

COMMENTS:

845260

259

SAMPLE NO. 46

MICRON NO. 374 44

Co-ords 9 750 N

10 150 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.060 | 2.44 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.182 | 7.39 | |
| 1 | 0.617 | 25.04 | |
| 2 | 0.217 | 8.81 | |
| Mids | 0.181 | 7.35 | |
| N/Mags | 0.458 | 18.59 | |
| | 1.655 | 67.18 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.224 | 9.09 | |
| 1 | 0.267 | 10.74 | |
| 2 | 0.176 | 7.14 | |
| Mids | — | — | |
| N/Mags | 0.082 | 3.33 | |
| | 0.749 | 30.40 | |
| Total | 2.464 | | |
| Slimes | 5.336 | | |
| Total Sample | 7.800 | | |

COMMENTS:

845261

260

SAMPLE NO. 47

MICRON NO. 37432

Co-ords 9 750 N

10 250 E

Depths 1 - 2 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.051 | 5.56 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.213 | 23.23 | |
| 1 | 0.062 | 6.76 | |
| 2 | 0.047 | 5.13 | |
| Mids | — | — | |
| N/Mags | 0.097 | 10.58 | |
| | 0.419 | 45.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.212 | 31.84 | |
| 1 | 0.075 | 8.18 | |
| 2 | 0.054 | 5.89 | |
| Mids | — | — | |
| N/Mags | 0.026 | 2.84 | |
| | 0.447 | 48.75 | |
| Total | 0.917 | 100.00 | |
| Slimes | 0.983 | | |
| Total Sample | 1.900 | | |

COMMENTS:

845262

261

SAMPLE NO. 48

MICRON NO. 38281

Co-ords 9 750 N

10 200 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.028 | 1.00 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.433 | 15.51 | |
| 1 | 0.269 | 9.63 | |
| 2 | 0.453 | 16.22 | |
| Mids | 0.202 | 7.23 | |
| N/Mags | 0.342 | 12.25 | |
| | 1.699 | 60.84 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.462 | 16.55 | |
| 1 | 0.259 | 9.28 | |
| 2 | 0.219 | 7.84 | |
| Mids | 0.057 | 2.04 | |
| N/Mags | 0.068 | 2.44 | |
| | 1.065 | 38.15 | |
| Total | 2.792 | 100.00 | |
| Slimes | 3.008 | | |
| Total Sample | 5.800 | | |

COMMENTS:

845263

262

SAMPLE NO. 49

MICRON NO. 37434

Co-ords 9 750 N

10 250 E

Depths 1 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.078 | 4.00 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.234 | 12.01 | |
| 1 | 0.264 | 13.55 | |
| 2 | 0.122 | 6.26 | |
| Mids | 0.104 | 5.34 | |
| N/Mags | 0.352 | 18.06 | |
| | 1.076 | 55.22 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.294 | 15.08 | |
| 1 | 0.303 | 15.55 | |
| 2 | 0.159 | 8.16 | |
| Mids | — | — | |
| N/Mags | 0.039 | 2.00 | |
| | 0.795 | 40.79 | |
| Total | 1.949 | 100.00 | |
| Slimes | 0.551 | | |
| Total Sample | 2.500 | | |

COMMENTS:

845264

SAMPLE NO. 50

MICRON NO. 38269

Co-ords 9 800 N

10 250 E

Depths 1 - 2 M

263

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.137 | 4.06 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.650 | 19.24 | |
| 1 | 0.123 | 3.64 | |
| 2 | 0.190 | 5.62 | |
| Mids | 0.355 | 10.51 | |
| N/Mags | 1.158 | 34.28 | |
| | 2.476 | 73.29 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.133 | 3.94 | |
| 1 | 0.333 | 9.86 | |
| 2 | 0.202 | 5.98 | |
| Mids | 0.045 | 1.33 | |
| N/Mags | 0.052 | 1.54 | |
| | 0.765 | 22.65 | |
| Total | 3.378 | 100.00 | |
| Slimes | 1.622 | | |
| Total Sample | 5.000 | | |

COMMENTS:

845265

DRILL NO. SAMPLE NO. 31

MICRON NO. 3446

Co-ords 9 750 N

10 300 E

Depths ALL M

264



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.308 | 6.08 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.785 | 15.50 | |
| 1 | 1.766 | 34.87 | |
| 2 | 0.358 | 7.07 | |
| Mids | 0.211 | 4.17 | |
| N/Mags | 0.799 | 15.78 | |
| | 3.919 | 77.39 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.168 | 3.32 | |
| 1 | 0.361 | 7.13 | |
| 2 | 0.198 | 3.91 | |
| Mids | — | — | |
| N/Mags | 0.110 | 2.17 | |
| | 0.837 | 16.53 | |
| Total | 5.064 | 100.00 | |
| Slimes | 3.936 | | |
| Total Sample | 8.900 | | |

COMMENTS:

845266

265

SAMPLE NO. 52

MICRON NO. 37398

Co-ords 9 850 N

10 300 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.148 | 3.47 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.235 | 29.00 | |
| 1 | 0.305 | 7.16 | |
| 2 | 0.248 | 5.82 | |
| Mids | 0.383 | 8.99 | |
| N/Mags | 0.995 | 23.36 | |
| | 3.166 | 74.33 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.280 | 6.54 | |
| 1 | 0.344 | 8.08 | |
| 2 | 0.214 | 5.02 | |
| Mids | 0.052 | 1.22 | |
| N/Mags | 0.056 | 1.31 | |
| | 0.946 | 22.20 | |
| Total | 4.266 | 100.00 | |
| Slimes | 2.140 | | |
| Total Sample | 6.400 | | |

COMMENTS:

845267

SAMPLE NO. 53

MICRON NO. 37391

Co-ords 9 850 N

10 250 E

Depths ALL M

266

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.126 | 5.83 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.379 | 17.54 | |
| 1 | 0.167 | 7.73 | |
| 2 | 0.100 | 4.63 | |
| Mids | 0.129 | 5.97 | |
| N/Mags | 0.650 | 30.08 | |
| | 1.425 | 65.95 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.197 | 9.12 | |
| 1 | 0.255 | 11.80 | |
| 2 | 0.105 | 4.86 | |
| Mids | — | — | |
| N/Mags | 0.053 | 2.45 | |
| | 0.610 | 28.23 | |
| Total | 2.161 | 100.00 | |
| Slimes | 0.539 | | |
| Total Sample | 2.700 | | |

COMMENTS:

845268

SAMPLE NO. 54

MICRON NO. 38299

Co-ords 9850 N

10200 E

Depths ALL M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.194 | 7.43 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.552 | 21.14 | |
| 1 | 0.268 | 10.26 | |
| 2 | 0.093 | 3.56 | |
| Mids | 0.178 | 6.82 | |
| N/Mags | 0.817 | 31.29 | |
| | 1.908 | 73.07 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.127 | 4.86 | |
| 1 | 0.202 | 7.74 | |
| 2 | 0.126 | 4.83 | |
| Mids | — | — | |
| N/Mags | 0.054 | 2.07 | |
| | 0.509 | 19.50 | |
| Total | 2.611 | 100.00 | |
| Slimes | 0.289 | | |
| Total Sample | 2.900 | | |

COMMENTS:

845269

SAMPLE NO. 55

MICRON NO. 37392

Co-ords 9 850 N

10 150 E

Depths 1 - 2 M

263

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.102 | 3.71 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.297 | 10.80 | |
| 1 | 0.102 | 3.71 | |
| 2 | 0.162 | 5.89 | |
| Mids | 0.377 | 13.71 | |
| N/Mags | 0.604 | 21.96 | |
| | 1.542 | 56.07 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.210 | 7.64 | |
| 1 | 0.440 | 16.00 | |
| 2 | 0.325 | 11.82 | |
| Mids | 0.090 | 3.27 | |
| N/Mags | 0.041 | 1.49 | |
| | 1.106 | 40.22 | |
| Total | 2.750 | 100.00 | |
| Slimes | 0.650 | | |
| Total Sample | 3.400 | | |

COMMENTS:

845270

SAMPLE NO. 56

MICRON NO. 38261

Co-ords 9 850 N

10 100 E

Depths ALL M

269

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.027 | 1.01 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.184 | 6.89 | |
| 1 | 0.266 | 9.96 | |
| 2 | 0.155 | 5.80 | |
| Mids | 0.333 | 12.47 | |
| N/Mags | 0.501 | 18.76 | |
| | 1.439 | 53.88 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.308 | 11.54 | |
| 1 | 0.442 | 16.55 | |
| 2 | 0.334 | 12.51 | |
| Mids | 0.058 | 2.17 | |
| N/Mags | 0.062 | 2.32 | |
| | 1.204 | 45.09 | |
| Total | 2.670 | 100.00 | |
| Slimes | 0.979 | | |
| Total Sample | 3.649 | | |

COMMENTS:

845271
270

SAMPLE NO. 57

MICRON NO. 38260

Co-ords 9 800 N
10 000 E
Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.078 | 2.02 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.891 | 23.02 | |
| 1 | 0.419 | 10.83 | |
| 2 | 0.216 | 5.58 | |
| Mids | 0.235 | 6.07 | |
| N/Mags | 0.489 | 12.64 | |
| | 2.250 | 58.14 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.958 | 24.75 | |
| 1 | 0.360 | 9.30 | |
| 2 | 0.148 | 3.82 | |
| Mids | 0.032 | 0.83 | |
| N/Mags | 0.044 | 1.14 | |
| | 1.542 | 39.84 | |
| Total | 3.270 | 100.00 | |
| Slimes | 0.846 | | |
| Total Sample | 4.716 | | |

COMMENTS:

845272

SAMPLE NO. 58

MICRON NO. 374-08

Co-ords 9 850 N

10 000 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.077 | 1.79 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.492 | 11.44 | |
| 1 | 1.035 | 24.07 | |
| 2 | 0.232 | 5.40 | |
| Mids | 0.248 | 5.77 | |
| N/Mags | 0.969 | 22.53 | |
| | 2.976 | 61.41 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.576 | 13.40 | |
| 1 | 0.453 | 10.53 | |
| 2 | 0.168 | 3.91 | |
| Mids | — | — | |
| N/Mags | 0.050 | 1.16 | |
| | 1.247 | 29.00 | |
| Total | 7.300 | 100.00 | |
| Slimes | 3.300 | | |
| Total Sample | 7.600 | | |

COMMENTS:

845273

SAMPLE NO. 59

MICRON NO. 37441

Co-ords 9850 N

9950 E

Depths 1-2 M



272

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.046 | 1.94 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.746 | 31.40 | |
| 1 | 0.305 | 12.84 | |
| 2 | 0.059 | 2.48 | |
| Mids | 0.087 | 3.66 | |
| N/Mags | 0.729 | 29.06 | |
| | 1.626 | 63.44 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.464 | 17.53 | |
| 1 | 0.076 | 3.04 | |
| 2 | 0.077 | 3.17 | |
| Mids | --- | --- | |
| N/Mags | 0.045 | 1.89 | |
| | 0.704 | 27.63 | |
| Total | 2.376 | 100.00 | |
| Slimes | 1.524 | | |
| Total Sample | 3.900 | | |

COMMENTS:

845274

SAMPLE NO. 61

MICRON NO. 37447

273

Co-ords 9 850 N

9 900 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.070 | 2.15 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.468 | 14.40 | |
| 1 | 0.147 | 4.52 | |
| 2 | 0.311 | 9.57 | |
| Mids | 0.289 | 8.90 | |
| N/Mags | 0.832 | 25.61 | |
| | 2.047 | 63.00 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.280 | 8.62 | |
| 1 | 0.355 | 10.93 | |
| 2 | 0.361 | 11.11 | |
| Mids | 0.046 | 1.42 | |
| N/Mags | 0.090 | 2.77 | |
| | 1.132 | 34.85 | |
| Total | 3.249 | 100.00 | |
| Slimes | 3.351 | | |
| Total Sample | 6.600 | | |

COMMENTS:

845275

274

SAMPLE NO. 62

MICRON NO. 37449

Co-ords 9 850 N

9 850 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.120 | 1.76 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 2.342 | 34.41 | |
| 1 | 0.794 | 11.67 | |
| 2 | 0.178 | 2.61 | |
| Mids | 0.241 | 3.54 | |
| N/Mags | 0.511 | 7.51 | |
| | 4.066 | 59.74 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.897 | 27.87 | |
| 1 | 0.562 | 8.26 | |
| 2 | 0.121 | 1.78 | |
| Mids | — | — | |
| N/Mags | 0.040 | 0.59 | |
| | 2.620 | 38.50 | |
| Total | 6.806 | 100.00 | |
| Slimes | 1.494 | | |
| Total Sample | 8.300 | | |

COMMENTS:

845276

SAMPLE NO. 63

MICRON NO. 37393

Co-ords 9 850 N

9 800 E

Depths ALL M

275



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.006 | 0.33 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.108 | 5.95 | |
| 1 | 0.049 | 2.70 | |
| 2 | 0.048 | 2.65 | |
| Mids | 0.058 | 3.20 | |
| N/Mags | 0.095 | 5.24 | |
| | 0.358 | 19.74 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.527 | 29.05 | |
| 1 | 0.590 | 32.52 | |
| 2 | 0.176 | 9.70 | |
| Mids | 0.075 | 4.13 | |
| N/Mags | 0.082 | 4.52 | |
| | 1.450 | 79.92 | |
| Total | 1.814 | 100.00 | |
| Slimes | 4.586 | | |
| Total Sample | 6.400 | | |

COMMENTS:

845277

SAMPLE NO. 64

MICRON NO. 37448

276

Co-ords 9 850 N

9 750 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.149 | 2.91 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.098 | 21.47 | |
| 1 | 0.433 | 8.47 | |
| 2 | 0.441 | 8.62 | |
| Mids | 0.255 | 4.99 | |
| N/Mags | 0.801 | 15.66 | |
| | 3.028 | 59.21 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 1.017 | 19.89 | |
| 1 | 0.513 | 10.03 | |
| 2 | 0.264 | 5.16 | |
| Mids | 0.046 | 0.90 | |
| N/Mags | 0.097 | 1.90 | |
| | 1.937 | 37.88 | |
| Total | 5.114 | 100.00 | |
| Slimes | 2.786 | | |
| Total Sample | 7.900 | | |

COMMENTS:

845278

277

DRILL HOLE SAMPLE NO. 65

Co-ords 9850 N

9700 E

Depths _____ M

8 MICRON NO. 20007



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|---------------------------------|--------------|--------------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | <u>1.540</u> | <u>23.91</u> | |
| Finest (- 0.5mm) | | | |
| Mags Hi | <u>0.050</u> | <u>0.78</u> | / |
| 1 | <u>0.250</u> | <u>3.88</u> | / |
| 2 | <u>0.337</u> | <u>5.23</u> | / |
| Mids | - | - | |
| N/Mags ⁻²⁵⁰ | <u>0.090</u> | <u>1.40</u> | / |
| ⁺²⁵⁰ | <u>0.190</u> | <u>2.95</u> | / |
| | <u>0.917</u> | <u>14.24</u> | |
| Total (0.5mm) | <u>2.457</u> | <u>38.15</u> | |
| Slimes | <u>3.983</u> | <u>61.85</u> | |
| Total Sample | <u>6.440</u> | <u>100</u> | |

COMMENTS:

845279

SAMPLE NO. 66

MICRON NO. 38264

278

Co-ords 9800 N

9750 E

Depths 1-2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.098 | 6.27 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.220 | 14.07 | |
| 1 | 0.095 | 6.07 | |
| 2 | 0.107 | 6.84 | |
| Mids | 0.145 | 9.27 | |
| N/Mags | 0.476 | 30.43 | |
| | 1.043 | 66.68 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.053 | 3.39 | |
| 1 | 0.167 | 10.68 | |
| 2 | 0.103 | 6.58 | |
| Mids | — | — | |
| N/Mags | 0.100 | 6.39 | |
| | 0.423 | 27.04 | |
| Total | 1.564 | 100.00 | |
| Slimes | 0.136 | | |
| Total Sample | 1.700 | | |

COMMENTS:

845280

279

SAMPLE NO. 67

MICRON NO. 37430

Co-ords 9 900 N

9 750 E

Depths 1 - 2 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.031 | 4.11 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.067 | 8.87 | |
| 1 | 0.021 | 2.78 | |
| 2 | 0.032 | 4.24 | |
| Mids | 0.036 | 4.77 | |
| N/Mags | 0.261 | 34.57 | |
| | 0.417 | 55.23 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.038 | 5.03 | |
| 1 | 0.080 | 10.60 | |
| 2 | 0.067 | 8.87 | |
| Mids | — | — | |
| N/Mags | 0.122 | 16.16 | |
| | 0.307 | 40.66 | |
| Total | 0.755 | 100.00 | |
| Slimes | 1.145 | | |
| Total Sample | 1.900 | | |

COMMENTS:

845281

SAMPLE NO. 60

MICRON NO. 38267

280

Co-ords 9 950 N

9 750 E

Depths 0 - 1 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.014 | 3.66 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.074 | 19.32 | |
| 1 | 0.030 | 7.83 | |
| 2 | 0.025 | 6.53 | |
| Mids | — | — | |
| N/Mags | 0.092 | 24.02 | |
| | 0.221 | 57.70 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.088 | 22.98 | |
| 1 | 0.034 | 8.88 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.026 | 6.79 | |
| | 0.148 | 38.65 | |
| Total | 0.383 | 100.00 | |
| Slimes | 0.317 | | |
| Total Sample | 0.690 | | |

COMMENTS:

845282

DRILL HOLE SAMPLE NO. 69

MICRON NO. 374 42

281

Co-ords 10 000 N9 450 EDepths ALL M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.011 | 0.33 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.029 | 0.88 | |
| 1 | 0.013 | 0.40 | |
| 2 | 0.101 | 3.32 | |
| Mids | 0.253 | 7.67 | |
| N/Mags | 0.321 | 10.02 | |
| | 0.732 | 22.29 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.486 | 14.79 | |
| 1 | 0.359 | 10.93 | |
| 2 | 0.306 | 9.32 | |
| Mids | 0.294 | 8.95 | |
| N/Mags | 1.097 | 33.39 | |
| | 2.542 | 77.38 | |
| Total | 3.225 | 100.00 | |
| Slimes | 12.215 | | |
| Total Sample | 15.500 | | |

COMMENTS:

845284

ORILLON SAMPLE NO. 71

MICRON NO. 38277

253

Co-ords 10 000 N

9 650 E

Depths 1 - 9 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.056 | 1.44 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.123 | 3.16 | |
| 1 | 0.073 | 1.88 | |
| 2 | 0.339 | 8.72 | |
| Mids | 0.534 | 13.74 | |
| N/Mags | 1.219 | 31.36 | |
| | 2.288 | 58.86 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.302 | 7.77 | |
| 1 | 0.576 | 14.82 | |
| 2 | 0.371 | 9.54 | |
| Mids | 0.129 | 3.32 | |
| N/Mags | 0.165 | 4.24 | |
| | 1.543 | 39.69 | |
| Total | 3.887 | 100.00 | |
| Slimes | 3.413 | | |
| Total Sample | 7.300 | | |

COMMENTS:

845285

DRILL HOLE SAMPLE NO. 12

6 MICRON NO. 58081

284

Co-ords 1000 N

9750 E

Depths _____ M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|-------------------------------------|--------------|--------------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| <hr/> | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | <u>0.827</u> | <u>18.47</u> | |
| Finest (- 0.5mm) | | | |
| Mags Hi | <u>0.675</u> | <u>15.03</u> | |
| 1 | <u>0.347</u> | <u>7.73</u> | |
| 2 | <u>0.207</u> | <u>4.61</u> | |
| 3 | <u>0.127</u> | <u>2.83</u> | |
| +250 Mag ^t Mids + N/mags | <u>0.231</u> | <u>5.14</u> | |
| -250 N/Mags | <u>2.076</u> | <u>46.24</u> | |
| | <u>3.663</u> | <u>81.58</u> | |
| Total (0.5mm) | <u>4.490</u> | <u>100.0</u> | |
| Slimes | <u>ND</u> | <u>-</u> | |
| Total Sample | <u>4.490</u> | <u>100</u> | |

COMMENTS:

845286

SAMPLE NO. 73

MICRON NO. 37455

285

Co-ords 10 000 N

9 850 E

Depths ? M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.177 | 3.59 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 1.921 | 38.97 | |
| 1 | 0.744 | 15.09 | |
| 2 | 0.200 | 4.06 | |
| Mids | 0.123 | 2.49 | |
| N/Mags | 0.741 | 15.03 | |
| | 3.729 | 75.64 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.587 | 11.91 | |
| 1 | 0.210 | 4.26 | |
| 2 | 0.129 | 2.62 | |
| Mids | — | — | |
| N/Mags | 0.098 | 1.99 | |
| | 1.024 | 20.78 | |
| Total | 4.930 | 100.00 | |
| Slimes | 3.470 | | |
| Total Sample | 8.400 | | |

COMMENTS:

845287

SAMPLE NO. 44

MICRON NO. 37390

Co-ords 10 200 N

9 750 E

Depths 1 - 4 M

286

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.025 | 0.87 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.867 | 30.09 | |
| 1 | 0.194 | 6.73 | |
| 2 | 0.118 | 4.10 | |
| Mids | 0.123 | 4.27 | |
| N/Mags | 0.327 | 11.35 | |
| | 1.629 | 56.51 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.585 | 20.31 | |
| 1 | 0.451 | 15.65 | |
| 2 | 0.139 | 4.82 | |
| Mids | — | — | |
| N/Mags | 0.052 | 1.80 | |
| | 1.227 | 42.58 | |
| Total | 2.881 | 100.00 | |
| Slimes | 2.619 | | |
| Total Sample | 5.500 | | |

COMMENTS:

845288

DRILL HOLE SAMPLE NO. 75

MICRON NO. 38088

237

Co-ords 10100 N

9900 E

Depths M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | 0.386 | 5.98 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.337 | 5.22 | |
| 1 | 0.354 | 5.48 | |
| 2 | 0.430 | 6.66 | |
| Mids | 0.218 | 3.37 | |
| N/Mags | 0.196 | 3.03 | |
| | 1.535 | 23.76 | |
| Total (0.5mm) | 1.921 | 29.74 | |
| Slimes | 4.539 | 70.26 | |
| Total Sample | 6.460 | 100 | |

COMMENTS:

845289

GRID HOLE SAMPLE NO. 10

3 MICRON NO. 280 86

238

Co-ords 10100 N

9850 E

Depths _____ M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------------------|---------|-------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (0.505) | 9.53 | - |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.006 | 0.11 | - |
| 1 | 0.152 | 2.87 | - |
| 2 | 0.196 | 3.70 | - |
| Mids | 0.073 | 1.38 | |
| N/Mags | 0.052 | 0.98 | |
| | (0.479) | 9.04 | |
| Total (0.5mm) | 0.984 | 18.57 | |
| Slimes | 4.316 | 81.43 | |
| Total Sample | 5.300 | 100 | |

COMMENTS:

845291

DRILL HOLE SAMPLE NO. MMICRON NO. 38085

Co-ords

9950 N9550 E

Depths

M

290



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | | | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| Mids | | | |
| N/Mags | | | |
| | (0.583 | 10.62) | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.010 | 0.18 | |
| 1 | 0.205 | 3.73 | |
| 2 | 0.217 | 3.95 | |
| Mids | 0.280 | 5.09 | |
| N/Mags | | | |
| | (0.712 | 12.95) | |
| Total (0.5mm) | 1.295 | 23.55 | |
| Slimes | 4.203 | 76.43 | |
| Total Sample | 5.498 | 100.0 | |

COMMENTS:

845292

DRILLING SAMPLE NO. 80

MICRON NO. 37443

291

Co-ords 10 050 N

9 750 E

Depths ALL M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.064 | 1.42 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.576 | 12.79 | |
| 1 | 0.883 | 19.61 | |
| 2 | 0.362 | 8.04 | |
| Mids | 0.276 | 6.13 | |
| N/Mags | 0.840 | 18.65 | |
| | 2.937 | 65.22 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.540 | 11.99 | |
| 1 | 0.495 | 11.06 | |
| 2 | 0.342 | 7.59 | |
| Mids | 0.053 | 1.18 | |
| N/Mags | 0.069 | 1.53 | |
| | 1.502 | 33.35 | |
| Total | 4.502 | 100.00 | |
| Slimes | 3.997 | | |
| Total Sample | 8.500 | | |

COMMENTS:

845293

SAMPLE NO. 81

MICRON NO. 38294

292

Co-ords 10 100 N9 750 EDepths 1 - 2 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.029 | 1.34 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.017 | 0.79 | |
| 1 | 0.038 | 1.76 | |
| 2 | 0.171 | 7.92 | |
| Mids | 0.268 | 12.41 | |
| N/Mags | 0.464 | 21.50 | |
| | 0.958 | 44.38 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.212 | 9.82 | |
| 1 | 0.541 | 25.07 | |
| 2 | 0.220 | 10.19 | |
| Mids | 0.084 | 3.89 | |
| N/Mags | 0.114 | 5.28 | |
| | 1.171 | 54.25 | |
| Total | 2.158 | 100.00 | |
| Slimes | 0.942 | | |
| Total Sample | 3.100 | | |

COMMENTS:

845294

293

CORAL HOUSE SAMPLE NO. 81

MICRON NO. 38283

Co-ords 10 100 N

9 750 E

Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.061 | 2.07 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.132 | 4.48 | |
| 1 | 0.188 | 6.39 | |
| 2 | 0.173 | 5.88 | |
| Mids | 0.250 | 8.49 | |
| N/Mags | 0.741 | 25.17 | |
| | 1.484 | 50.41 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.168 | 5.71 | |
| 1 | 0.417 | 14.16 | |
| 2 | 0.574 | 19.50 | |
| Mids | 0.117 | 3.97 | |
| N/Mags | 0.123 | 4.18 | |
| | 1.399 | 47.52 | |
| Total | 2.944 | 100.00 | |
| Slimes | 1.156 | | |
| Total Sample | 4.100 | | |

COMMENTS:

845295

DRILL LOG SAMPLE NO. 81

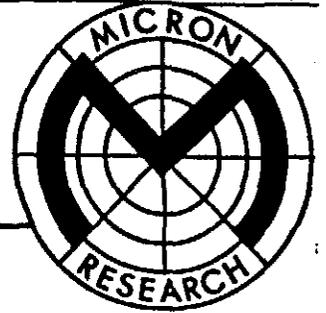
MICRON NO. 37429

294

Co-ords 10 100 N

9 750 E

Depths 5 - 7 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.006 | 0.61 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.187 | 19.10 | |
| 1 | 0.139 | 14.20 | |
| 2 | 0.077 | 7.87 | |
| Mids | 0.040 | 4.07 | |
| N/Mags | 0.083 | 8.46 | |
| | 0.526 | 53.41 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.070 | 7.30 | |
| 1 | 0.254 | 25.74 | |
| 2 | 0.070 | 7.19 | |
| Mids | — | — | |
| N/Mags | 0.024 | 2.46 | |
| | 0.447 | 45.65 | |
| Total | 0.977 | 100.00 | |
| Slimes | 2.021 | | |
| Total Sample | 3.000 | | |

COMMENTS:

845296

DRILL HOLE SAMPLE NO. 82

MICRON NO. 38293

295

Co-ords 10 150 N9 750 EDepths 1 - 2 M

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.043 | 5.06 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.187 | 22.24 | |
| 1 | 0.043 | 5.06 | |
| 2 | 0.070 | 8.24 | |
| Mids | 0.074 | 8.71 | |
| N/Mags | 0.184 | 21.65 | |
| | 0.560 | 65.90 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.082 | 9.65 | |
| 1 | 0.103 | 12.12 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.062 | 7.29 | |
| | 0.247 | 29.06 | |
| Total | 0.850 | 100.00 | |
| Slimes | 0.350 | | |
| Total Sample | 1.200 | | |

COMMENTS:

845297

SAMPLE NO. 82

MICRON NO. 38297

296

Co-ords 10 150 N

9 750 E

Depths 3 - 4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.015 | 0.74 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.183 | 8.99 | |
| 1 | 0.198 | 9.72 | |
| 2 | 0.061 | 3.00 | |
| Mids | 0.077 | 3.78 | |
| N/Mags | 0.214 | 10.51 | |
| | 0.733 | 36.00 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.563 | 27.65 | |
| 1 | 0.528 | 25.93 | |
| 2 | 0.128 | 6.29 | |
| Mids | — | — | |
| N/Mags | 0.069 | 3.39 | |
| | 1.288 | 63.21 | |
| Total | 2.036 | 100.00 | |
| Slimes | 2.864 | | |
| Total Sample | 4.900 | | |

COMMENTS:

845298

~~DRILL HOLE~~ SAMPLE NO. 82

MICRON NO. 38280

297

Co-ords 10 150 N

9 750 E

Depths 5 - 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.011 | 0.41 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.260 | 9.75 | |
| 1 | 0.625 | 23.44 | |
| 2 | 0.111 | 4.16 | |
| Mids | — | — | |
| N/Mags | 0.047 | 1.76 | |
| | 1.043 | 39.11 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.798 | 29.93 | |
| 1 | 0.656 | 24.61 | |
| 2 | 0.129 | 4.84 | |
| Mids | — | — | |
| N/Mags | 0.029 | 1.09 | |
| | 1.612 | 60.47 | |
| Total | 2.666 | 100.00 | |
| Slimes | 3.434 | | |
| Total Sample | 6.100 | | |

COMMENTS:

298

SAMPLE NO. 82

MICRON NO. 38279



845299

Co-ords 10 150 N
9 750 E
 Depths 7 - 8 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.008 | 0.86 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.163 | 17.53 | |
| 1 | 0.180 | 19.35 | |
| 2 | 0.049 | 5.27 | |
| Mids | — | — | |
| N/Mags | 0.044 | 4.73 | |
| | 0.436 | 46.88 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.153 | 16.45 | |
| 1 | 0.273 | 29.35 | |
| 2 | 0.039 | 4.19 | |
| Mids | — | — | |
| N/Mags | 0.021 | 2.26 | |
| | 0.486 | 52.25 | |
| Total | 0.930 | 100.00 | |
| Slimes | 0.670 | | |
| Total Sample | 1.600 | | |

COMMENTS:

298

SAMPLE NO. 00

MICRON NO. 00292

Co-ords 10 100 N

9 800 E

Depths 1-2 M

845300



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.055 | 3.93 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.473 | 33.79 | |
| 1 | 0.110 | 7.86 | |
| 2 | 0.116 | 8.29 | |
| Mids | 0.137 | 9.79 | |
| N/Mags | 6.312 | 22.29 | |
| | 1.148 | 82.02 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.080 | 5.71 | |
| 1 | 0.064 | 4.57 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.053 | 3.79 | |
| | 0.197 | 14.07 | |
| Total | 1.400 | 100.00 | |
| Slimes | 0.100 | | |
| Total Sample | 1.500 | | |

COMMENTS:

845301

PILL-HOLE SAMPLE NO. 85

MICRON NO. 57725

300

Co-ords 10 100 N

9 800 E

Depths 3-4 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.033 | 4.34 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.111 | 14.59 | |
| 1 | 0.149 | 19.58 | |
| 2 | 0.054 | 7.10 | |
| Mids | — | — | |
| N/Mags | 0.157 | 20.63 | |
| | 0.471 | 61.90 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.082 | 10.70 | |
| 1 | 0.115 | 15.11 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.060 | 7.88 | |
| | 0.257 | 33.77 | |
| Total | 0.761 | 100.00 | |
| Slimes | 0.839 | | |
| Total Sample | 1.600 | | |

COMMENTS:

845302

~~SMALL HOLE~~ SAMPLE NO. 80

MICRON NO. 517-10

301

Co-ords 10 100 N

9 800 E

Depths 5 - 6 M



SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.057 | 3.38 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.484 | 28.74 | |
| 1 | 0.181 | 10.75 | |
| 2 | 0.073 | 4.33 | |
| Mids | 0.056 | 3.33 | |
| N/Mags | 0.222 | 13.72 | |
| | 1.026 | 60.93 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.315 | 18.71 | |
| 1 | 0.171 | 10.15 | |
| 2 | 0.090 | 5.34 | |
| Mids | — | — | |
| N/Mags | 0.025 | 1.48 | |
| | 0.601 | 35.68 | |
| Total | 1.684 | 100.00 | |
| Slimes | 2.616 | | |
| Total Sample | 4.300 | | |

COMMENTS:

845303

SAMPLE NO. 07

MICRON NO. 30211

302

Co-ords 10 000 N9 800 EDepths 5-6 M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.011 | 0.58 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.299 | 15.70 | |
| 1 | 0.677 | 35.54 | |
| 2 | 0.115 | 6.04 | |
| Mids | — | — | |
| N/Mags | 0.033 | 1.73 | |
| | 1.124 | 59.01 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.532 | 27.93 | |
| 1 | 0.204 | 10.71 | |
| 2 | — | — | |
| Mids | — | — | |
| N/Mags | 0.034 | 1.78 | |
| | 0.770 | 40.42 | |
| Total | 1.905 | 100.00 | |
| Slimes | 1.295 | | |
| Total Sample | 3.200 | | |

COMMENTS:

845304

SAMPLE NO. 85

MICRON NO. 38273

Co-ords 9900 N10250 EDepths 1-2 M

303

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.045 | 1.43 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.351 | 11.17 | |
| 1 | 0.117 | 3.72 | |
| 2 | 0.261 | 8.31 | |
| Mids | 0.325 | 10.34 | |
| N/Mags | 0.797 | 25.37 | |
| | 1.851 | 58.91 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.435 | 13.84 | |
| 1 | 0.409 | 13.02 | |
| 2 | 0.308 | 9.80 | |
| Mids | 0.047 | 1.50 | |
| N/Mags | 0.047 | 1.50 | |
| | 1.246 | 39.66 | |
| Total | 3.142 | 100.00 | |
| Slimes | 3.558 | | |
| Total Sample | 6.700 | | |

COMMENTS:

845305

DRILL HOLE SAMPLE NO. 03

MICRON NO. 30480

Co-ords 9 900 N

10 250 E

Depths 3-4 M

304

SIZING AND MAGNETIC FRACTIONATION



| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.007 | 0.88 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.034 | 4.29 | |
| 1 | 0.013 | 1.64 | |
| 2 | 0.079 | 9.97 | |
| Mids | 0.105 | 13.26 | |
| N/Mags | 0.135 | 17.05 | |
| | 0.366 | 46.21 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.084 | 10.61 | |
| 1 | 0.227 | 28.66 | |
| 2 | 0.062 | 7.83 | |
| Mids | — | — | |
| N/Mags | 0.046 | 5.81 | |
| | 0.419 | 52.91 | |
| Total | 0.792 | 100.00 | |
| Slimes | 0.308 | | |
| Total Sample | 1.100 | | |

COMMENTS:

845306

SMALL SCALE SAMPLE NO. 03

MICRON NO. 31307

Co-ords 9900 N

10250 E

Depths 5-6 M



305

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.002 | 0.08 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.081 | 3.21 | |
| 1 | 0.157 | 6.23 | |
| 2 | 0.127 | 5.04 | |
| Mids | 0.444 | 17.61 | |
| N/Mags | 0.492 | 19.52 | |
| | 1.301 | 51.61 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.428 | 16.98 | |
| 1 | 0.517 | 20.51 | |
| 2 | 0.214 | 8.49 | |
| Mids | 0.036 | 1.43 | |
| N/Mags | 0.023 | 0.91 | |
| | 1.218 | 48.32 | |
| Total | 2.521 | 100.00 | |
| Slimes | 3.979 | | |
| Total Sample | 6.500 | | |

COMMENTS:

845307

SAMPLE NO. ^^^

MICRON NO. 377 37

306

Co-ords 5 000 N5 000 EDepths ALL M

SIZING AND MAGNETIC FRACTIONATION

| PRODUCTS | WEIGHTS | | CALCULATIONS |
|----------------------|---------|--------|--------------|
| | Kg. | % | |
| Coarse (+ 2mm) | | | |
| Mags Hi | | | |
| 1 | | | |
| 2 | | | |
| N/Mags | | | |
| | 0.250 | 3.62 | |
| Fine (- 2mm + 0.5mm) | | | |
| Mags Hi | 0.345 | 5.00 | |
| 1 | 0.163 | 2.36 | |
| 2 | 0.839 | 12.16 | |
| Mids | 1.059 | 15.35 | |
| N/Mags | 1.213 | 17.59 | |
| | 3.619 | 52.46 | |
| Finest (- 0.5mm) | | | |
| Mags Hi | 0.516 | 7.48 | |
| 1 | 0.835 | 12.11 | |
| 2 | 1.097 | 15.90 | |
| Mids | 0.258 | 3.74 | |
| N/Mags | 0.322 | 4.67 | |
| | 3.028 | 43.90 | |
| Total | 6.897 | 100.00 | |
| Slimes | 2.003 | | |
| Total Sample | 8.900 | | |

COMMENTS:

307

845308

APPENDIX 10

Base element oxide analysis results

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUBAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

308

JOB INFORMATION

JOB CODE : 218.0/873998
 NO. SAMPLES : 7
 ELEMENTS : 10
 CLIENT O/N : LETTER
 DATE RECEIVED : 16/10/87
 DATE COMPLETED : 23/10/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : *** ATTN: NICK PERRIGNON..... PRELIMINARY ONLY.....
 COMMENTS : P TO COME

SAMPLE INFORMATION

| ELEMENTS | Cr2O3 | SiO2 | Fe2O3 | Al2O3 | CaO | MgO | TiO2 | V2O5 | MnO | P |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.1 | 0.05 | 0.01 | 0.01 | |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | | |
| 1 AIR TABLE CONS | 44.0 | 0.3 | 39.0 | 3.8 | 0.22 | 4.4 | 0.15 | 0.09 | 0.32 | () |
| 2 AIR TABLE MIDS | 29.5 | 1.3 | 44.0 | 4.2 | 0.18 | 2.6 | 0.20 | 0.08 | 0.34 | () |
| 3 AIR TABLE TAILS | 24.5 | 5.8 | 46.0 | 4.5 | 0.25 | 2.0 | 0.30 | 0.07 | 0.36 | () |
| 4 Ch.0001(AIR TABLE CONS) | 44.0 | 0.2 | 46.0 | 4.4 | 0.25 | 4.3 | 0.15 | 0.09 | 0.31 | () |
| 5 STD 1:BCS 30B | 41.0 | 4.7 | 16.0 | 22.0 | 0.47 | 13.5 | 0.15 | 0.25 | 0.16 | |
| 6 STD 2:JAL 870-1 | 49.0 | 3.0 | 19.0 | 13.0 | X | 13.0 | 0.30 | 0.23 | 0.22 | |
| 7 STD 3:CHROMITE 5 | 20.0 | 18.5 | 22.0 | 5.6 | 0.22 | 13.0 | 0.20 | 0.07 | 0.70 | |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

845309

BENALYSIS LABORATORY SERVICES PTY. LTD.

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

509

JOB INFORMATION

JOB CODE : 218.0/873352
 NO. SAMPLES : 53
 ELEMENTS : 10
 CLIENT O/N : FAX
 DATE RECEIVED : 11/09/87
 DATE COMPLETED : 13/10/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N.PERRIGNON ,
 COMMENTS : PULP.....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | Si02 | Fe203 | Al203 | CaO | MgO | Ti02 | V205 | MnO | P |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.1 | 0.05 | 0.1 | 0.01 | 0.01 |
| METHOD | TOTAL |

SAMPLE NUMBERS

| | | | | | | | | | | |
|------------------------|------|------|------|-----|------|-----|------|-----|------|------|
| 12 TAILS A:NON MAGS | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 12 TAILS B:MAGS 2 | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 12 TAILS C:MAGS 1 | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 12 TAILS D:HI MAGS | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 1 15 TAILS A:NON MAGS | 4.6 | 32.6 | 51.0 | 2.2 | 0.05 | 0.2 | 0.40 | X | 0.10 | 0.56 |
| 2 15 TAILS B:MAGS 2 | 12.0 | 5.6 | 62.0 | 3.8 | 0.11 | 0.9 | 0.50 | 0.1 | 0.12 | 0.62 |
| 3 15 TAILS C:MAGS 1 | 19.6 | 18.1 | 48.0 | 3.6 | 0.10 | 1.7 | 0.60 | 0.1 | 0.18 | 0.48 |
| 4 15 TAILS D:HI MAGS | 19.4 | 33.8 | 44.0 | 2.9 | 0.11 | 1.5 | 1.05 | 0.1 | 0.16 | 0.32 |
| 5 16 TAILS A:NON MAGS | 4.0 | 5.0 | 71.0 | 3.1 | 1.12 | 0.4 | 0.20 | X | 0.21 | 0.76 |
| 6 16 TAILS B:MAGS 2 | 4.3 | 2.9 | 75.0 | 3.4 | 1.12 | 0.1 | 0.20 | X | 0.22 | 0.75 |
| 7 16 TAILS C:MAGS 1 | 5.1 | 3.2 | 74.0 | 3.4 | 1.16 | 0.3 | 0.20 | X | 0.23 | 0.83 |
| 8 16 TAILS D:HI MAGS | 5.1 | 3.0 | 73.0 | 3.5 | 1.12 | 0.2 | 0.20 | X | 0.25 | 0.76 |
| 9 19 B A:NON MAGS | 5.3 | 14.9 | 70.0 | 3.5 | 0.04 | 0.1 | 0.40 | X | 0.28 | 0.72 |
| 10 19 B B:MIDS | 5.3 | 5.9 | 74.0 | 4.1 | 0.09 | 0.1 | 0.45 | X | 0.54 | 0.77 |
| 11 19 B C:MAGS 2 | 9.4 | 2.5 | 73.0 | 4.3 | 0.02 | 0.8 | 0.35 | X | 0.82 | 0.76 |
| 12 19 B D:MAGS 1 | 13.3 | 2.5 | 72.0 | 4.3 | 0.25 | 1.2 | 0.35 | X | 3.70 | 0.83 |
| 13 19 B E:HI MAGS | 9.8 | 1.8 | 73.0 | 3.5 | 0.28 | 1.0 | 0.15 | X | 0.17 | 0.83 |
| 14 20 TAILS A:NON MAGS | 3.1 | 34.9 | 55.0 | 1.9 | 0.60 | 0.3 | 0.45 | X | 0.20 | 0.54 |
| 15 20 TAILS B:MAGS 2 | 8.2 | 4.9 | 77.0 | 3.5 | 0.25 | 0.7 | 0.50 | X | 0.25 | 0.81 |
| 16 20 TAILS C:MAGS 1 | 15.7 | 7.2 | 68.0 | 3.6 | 0.15 | 1.3 | 0.55 | X | 0.25 | 0.73 |
| 17 20 TAILS D:HI MAGS | 10.0 | 15.4 | 65.0 | 2.3 | 0.21 | 0.5 | 0.65 | X | 0.23 | 0.79 |
| 18 23 B A:NON MAGS | 9.5 | 15.1 | 68.0 | 2.2 | 0.03 | 0.6 | 0.40 | X | 0.15 | 0.70 |
| 19 23 B B:MIDS | 16.9 | 6.6 | 72.0 | 3.5 | 0.07 | 1.2 | 0.45 | 0.1 | 0.21 | 0.72 |
| 20 23 B C:MAGS 2 | 28.1 | 1.5 | 56.0 | 3.4 | 0.09 | 3.0 | 0.30 | 0.1 | 0.23 | 0.57 |
| 21 23 B D:MAGS 1 | 33.9 | 1.8 | 51.0 | 3.6 | 0.07 | 2.9 | 0.30 | 0.1 | 0.30 | 0.54 |

845310

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| ELEMENTS METHOD | Cr203 TOTAL | Si02 TOTAL | Fe203 TOTAL | Al203 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|------------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 22 23 B E:HI MAGS | 13.6 | 2.9 | 77.0 | 2.3 | 0.06 | 0.9 | 0.40 | 0.1 | 0.20 | 0.83 |
| 23 24 B A:NON MAGS | 15.6 | 36.2 | 32.0 | 2.2 | 0.03 | 1.6 | 0.20 | X | 0.16 | 0.29 |
| 24 24 B B:MIDS | 27.3 | 7.0 | 50.0 | 3.6 | 0.04 | 3.0 | 0.20 | 0.1 | 0.24 | 0.51 |
| 25 24 B C:MAGS 2 | 40.0 | 1.1 | 45.0 | 3.9 | 0.06 | 4.6 | 0.15 | 0.1 | 0.38 | 0.52 |
| 26 24 B D:MAGS 1 | 41.9 | 1.4 | 41.0 | 3.9 | X | 3.6 | 0.15 | 0.1 | 0.44 | 0.40 |
| 27 24 B E:HI MAGS | 46.1 | 2.0 | 41.0 | 3.9 | 0.02 | 5.0 | 0.15 | 0.1 | 0.56 | 0.41 |
| 28 24 TAILS A:NON MAGS | 4.3 | 46.4 | 29.3 | 4.3 | 0.04 | 0.8 | 0.80 | X | 0.14 | 0.30 |
| 29 24 TAILS B:MAGS 2 | 9.7 | 20.6 | 49.0 | 5.3 | X | 0.7 | 0.85 | 0.1 | 0.21 | 0.51 |
| 30 24 TAILS C:MAGS 1 | 19.5 | 26.8 | 39.0 | 5.1 | 0.04 | 1.8 | 0.85 | 0.1 | 0.30 | 0.41 |
| 31 24 TAILS D:HI MAGS | 12.5 | 41.6 | 23.9 | 4.1 | X | 1.0 | 1.10 | 0.1 | 0.22 | 0.24 |
| 32 25 B A:NON MAGS | 0.4 | 90.0 | 1.2 | 0.8 | 0.02 | X | 0.20 | X | 0.04 | 0.02 |
| 33 25 B B:MIDS | 13.8 | 30.2 | 56.0 | 4.4 | 0.03 | 1.4 | 0.50 | 0.1 | 0.20 | 0.51 |
| 34 25 B C:MAGS 2 | 28.0 | 2.6 | 54.0 | 5.5 | 0.05 | 2.9 | 0.25 | 0.1 | 0.33 | 0.56 |
| 35 25 B D:MAGS 1 | 38.9 | 2.4 | 40.0 | 4.6 | 0.54 | 4.5 | 0.20 | 0.1 | 0.38 | 0.45 |
| 36 25 B E:HI MAGS | 46.8 | 2.6 | 41.0 | 4.5 | 0.03 | 5.4 | 0.40 | 0.1 | 0.52 | 0.42 |
| 37 27 TAILS A:NON MAGS | 9.8 | 23.6 | 56.0 | 7.5 | 0.02 | 0.5 | 0.45 | X | 0.08 | 0.54 |
| 38 27 TAILS B:MAGS 2 | 9.5 | 7.6 | 55.0 | 7.7 | 0.04 | 0.8 | 0.50 | X | 0.10 | 0.54 |
| 39 27 TAILS C:MAGS 1 | 13.7 | 13.9 | 53.0 | 7.0 | 0.12 | 0.9 | 0.50 | X | 0.12 | 0.52 |
| 40 27 TAILS D:HI MAGS | 8.3 | 9.5 | 63.0 | 6.0 | 0.10 | 0.5 | 0.45 | X | 0.13 | 0.65 |
| 41 29 TAILS A:NON MAGS | 4.9 | 39.6 | 43.0 | 3.5 | 0.14 | 0.4 | 0.45 | X | 0.07 | 0.51 |
| 42 29 TAILS B:MAGS 2 | 9.7 | 6.7 | 60.0 | 6.8 | X | 0.5 | 0.75 | 0.1 | 0.09 | 0.70 |
| 43 29 TAILS C:MAGS 1 | 14.2 | 12.5 | 50.0 | 6.5 | X | 0.6 | 0.60 | X | 0.09 | 0.54 |
| 44 29 TAILS D:HI MAGS | 10.5 | 18.4 | 51.0 | 5.7 | X | 0.4 | 0.60 | X | 0.08 | 0.55 |
| 45 30 TAILS A:NON MAGS | 13.6 | 18.3 | 46.0 | 6.0 | 0.96 | 0.5 | 0.40 | X | 0.15 | 0.46 |
| 46 30 TAILS B:MAGS 2 | 11.8 | 6.9 | 57.0 | 7.1 | 1.20 | 0.3 | 0.45 | X | 0.16 | 0.45 |
| 47 30 TAILS C:MAGS 1 | 6.1 | 4.4 | 63.0 | 6.7 | 1.45 | X | 0.45 | X | 0.13 | 0.61 |
| 48 30 TAILS D:HI MAGS | 3.3 | 2.6 | 80.0 | 3.5 | 0.60 | X | 0.15 | X | 0.17 | 0.79 |
| 49 Ch.0001(15 TAILS A:NON M) | 4.7 | 34.1 | 52.0 | 2.0 | 0.05 | 3.9 | 0.50 | 0.1 | 0.10 | 0.58 |
| 50 Ch.0026(24 B D:MAGS 1) | 43.9 | 1.4 | 39.0 | 4.0 | X | 2.8 | 0.15 | 0.2 | 0.42 | 0.48 |
| 51 STD 1:BCS 308 | 40.2 | 4.6 | 16.6 | 21.6 | 0.28 | 10.4 | 0.15 | 0.2 | 0.20 | |
| 52 STD 2:JAL 870-1 | 49.0 | 3.2 | 20.2 | 13.0 | 0.11 | 10.2 | 0.30 | 0.2 | 0.24 | |
| 53 STD 3:CHROMITE-1 | 46.6 | 7.5 | 26.0 | 17.2 | 0.18 | 18.5 | 0.20 | 0.2 | 0.54 | |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

845311

LABORATORY REPORT

2 DAVIDSON ST. MADDINGBY W.A. 6109. P.O. BOX 144 BOSNELLS 6110
 TELEPHONE (09) 457 2272, 459 4303. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

311

JOB INFORMATION

JOB CODE : 218.0/873932
 NO. SAMPLES : 192
 ELEMENTS : 10
 CLIENT O/N :
 DATE RECEIVED : 12/10/87
 DATE COMPLETED : 27/10/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '(')' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N.PERIGNON....
 COMMENTS : PULP....

SAMPLE INFORMATION

| ELEMENTS | Cr2O3 | SiO2 | Fe2O3 | Al2O3 | CaO | MgO | TiO2 | V2O5 | MnO | P |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.01 | 0.01 | 0.01 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | | |
| 1 05B-A:NON MAGS | 13.5 | 8.8 | 60.0 | 2.4 | 0.9 | 1.3 | 0.40 | 0.04 | 0.20 | 1.10 |
| 2 05B-B:MIDS | 14.0 | 6.0 | 60.0 | 2.7 | 2.0 | 1.4 | 0.35 | 0.04 | 0.22 | 1.10 |
| 3 05B-C:MAGS 2 | 20.0 | 1.4 | 54.0 | 3.3 | 0.2 | 2.1 | 0.30 | 0.03 | 0.29 | 0.99 |
| 4 05B-D:MAGS 1 | 20.5 | 1.4 | 60.0 | 3.3 | 0.3 | 2.1 | 0.30 | 0.04 | 0.32 | 0.98 |
| 5 05B-E:HI MAGS | 8.4 | 0.9 | 74.0 | 2.0 | 0.3 | 0.9 | 0.20 | 0.03 | 0.24 | 1.30 |
| 6 07-A:NON MAGS | 9.2 | 5.1 | 64.0 | 3.5 | 0.1 | 0.5 | 0.10 | 0.03 | 0.42 | 1.10 |
| 7 07-B:MIDS | 9.8 | 7.0 | 62.0 | 3.6 | 0.3 | 0.5 | 0.50 | 0.02 | 0.41 | 0.96 |
| 8 07-C:MAGS 2 | 13.0 | 2.5 | 60.0 | 3.6 | 0.3 | 0.8 | 0.40 | 0.03 | 0.43 | 1.00 |
| 9 07-D:MAGS 1 | 15.5 | 2.7 | 62.0 | 3.7 | 0.4 | 0.9 | 0.30 | 0.04 | 0.46 | 0.93 |
| 10 07-E:HI MAGS | 15.5 | 3.6 | 60.0 | 3.8 | 0.2 | 0.9 | 0.55 | 0.03 | 0.47 | 0.95 |
| 11 08-A:NON MAGS | 6.6 | 38.0 | 47.0 | 1.6 | 0.5 | 0.5 | 0.35 | 0.02 | 0.07 | 0.86 |
| 12 08-B:MAGS 2 | 16.5 | 4.2 | 62.0 | 2.6 | 0.6 | 1.5 | 0.35 | 0.04 | 0.15 | 1.10 |
| 13 08-C:MAGS 1 | 20.5 | 5.8 | 56.0 | 2.8 | 0.6 | 1.8 | 0.35 | 0.06 | 0.18 | 0.89 |
| 14 08-D:HI MAGS | 7.0 | 4.0 | 68.0 | 2.1 | 0.5 | 0.5 | 0.35 | 0.04 | 0.10 | 1.30 |
| 15 08B-A:NON MAGS | 13.5 | 56.0 | 31.0 | 1.7 | 0.2 | 1.8 | 0.35 | 0.06 | 0.05 | 0.37 |
| 16 08B-B:MIDS | 23.0 | 15.0 | 46.0 | 2.7 | 0.3 | 2.8 | 0.45 | 0.11 | 0.10 | 0.74 |
| 17 08B-C:MAGS 2 | 46.0 | 1.2 | 38.0 | 3.8 | 0.3 | 5.4 | 0.25 | 0.13 | 0.17 | 0.59 |
| 18 08B-D:MAGS 1 | 56.0 | 1.0 | 31.0 | 3.9 | 0.3 | 5.6 | 0.20 | 0.15 | 0.21 | 0.33 |
| 19 08B-E:HI MAGS | 5.8 | 1.0 | 72.0 | 1.4 | 0.5 | 0.9 | 0.10 | 0.04 | 0.12 | 1.40 |
| 20 09B-A:NON MAGS | 14.0 | 38.0 | 20.5 | 2.4 | 0.6 | 1.9 | 0.30 | 0.07 | 0.05 | 0.34 |
| 21 09B-B:MIDS | 19.0 | 31.0 | 41.0 | 3.9 | 0.3 | 2.4 | 0.55 | 0.08 | 0.08 | 0.56 |
| 22 09B-C:MAGS 2 | 46.0 | 3.7 | 38.0 | 4.7 | 0.4 | 5.2 | 0.40 | 0.12 | 0.18 | 0.57 |
| 23 09B-D:MAGS 1 | 56.0 | 3.6 | 37.0 | 4.4 | 0.1 | 7.0 | 0.25 | 0.12 | 0.22 | 0.38 |
| 24 09B-E:HI MAGS | 4.4 | 2.5 | 82.0 | 1.3 | 0.1 | 1.7 | 0.10 | 0.03 | 0.12 | 1.40 |
| 25 10-A:NON MAGS | 3.1 | 37.0 | 34.0 | 1.6 | 1.6 | 0.4 | 0.45 | 0.04 | 0.05 | 0.54 |

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| ELEMENTS METHOD | Cr2O3 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|--------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 26 10-B:MAGS 2 | 5.8 | 8.4 | 64.0 | 2.4 | 1.2 | 0.5 | 0.65 | 0.06 | 0.10 | 1.10 |
| 27 10-C:MAGS 1 | 9.4 | 3.4 | 60.0 | 2.6 | 1.2 | 0.8 | 0.60 | 0.08 | 0.11 | 1.10 |
| 28 10-D:HI MAGS | 8.0 | 8.6 | 56.0 | 2.2 | 2.1 | 0.8 | 0.70 | 0.06 | 0.11 | 0.89 |
| 29 13B-A:NON MAGS | 3.6 | 62.0 | 46.0 | 1.3 | 0.2 | 0.2 | 0.35 | 0.06 | 0.09 | 0.70 |
| 30 13B-B:MIDS | 5.2 | 11.0 | 74.0 | 1.9 | 0.4 | 0.2 | 0.55 | 0.06 | 0.17 | 1.20 |
| 31 13B-C:MAGS 2 | 9.8 | 1.5 | 70.0 | 2.5 | 0.5 | 0.7 | 0.45 | 0.05 | 0.27 | 1.10 |
| 32 13B-D:MAGS 1 | 16.5 | 1.6 | 62.0 | 2.9 | 0.8 | 1.3 | 0.40 | 0.05 | 0.30 | 1.00 |
| 33 13B-E:HI MAGS | 18.0 | 1.6 | 66.0 | 2.8 | 0.2 | 1.4 | 0.40 | 0.08 | 0.30 | 1.10 |
| 34 14-A:NON MAGS | 5.0 | 66.0 | 17.0 | 1.7 | 0.2 | 0.5 | 0.40 | 0.05 | 0.03 | 0.16 |
| 35 14-B:MIDS | 6.4 | 58.0 | 25.0 | 2.7 | 0.1 | 0.7 | 0.50 | 0.06 | 0.05 | 0.33 |
| 36 14-C:MAGS 2 | 21.5 | 8.6 | 49.0 | 4.8 | 0.1 | 2.1 | 0.70 | 0.12 | 0.14 | 0.75 |
| 37 14-D:MAGS 1 | 26.0 | 8.6 | 45.0 | 4.8 | 0.2 | 2.5 | 0.60 | 0.11 | 0.18 | 0.57 |
| 38 14-E:HI MAGS | 28.0 | 10.6 | 40.0 | 4.2 | 0.2 | 2.5 | 0.65 | 0.11 | 0.19 | 0.72 |
| 39 14B-A:NON MASS | 4.5 | 19.0 | 56.0 | 1.5 | 0.2 | 0.2 | 0.40 | 0.06 | 0.14 | 0.95 |
| 40 14B-B:MIDS | 5.6 | 3.4 | 74.0 | 1.8 | 0.3 | 0.3 | 0.40 | 0.07 | 0.19 | 1.30 |
| 41 14B-C:MAGS 2 | 9.2 | 1.0 | 66.0 | 2.1 | 0.3 | 0.7 | 0.40 | 0.05 | 0.33 | 1.00 |
| 42 14B-D:MAGS 1 | 14.5 | 1.1 | 58.0 | 2.1 | 0.3 | 1.3 | 0.25 | 0.04 | 0.50 | 1.30 |
| 43 14B-E:HI MAGS | 5.8 | 0.8 | 70.0 | 1.4 | 0.2 | 0.5 | 0.30 | 0.03 | 0.35 | 1.20 |
| 44 16B-A:NON MAGS | 8.0 | 3.2 | 58.0 | 2.8 | 0.4 | 0.8 | 0.15 | 0.01 | 0.19 | 1.10 |
| 45 16B-B:MIDS | 7.4 | 0.5 | 60.0 | 3.0 | 0.4 | 0.6 | 0.15 | 0.01 | 0.21 | 1.00 |
| 46 16B-C:MAGS 2 | 8.2 | 1.3 | 54.0 | 3.2 | 0.3 | 0.7 | 0.15 | 0.02 | 0.21 | 1.20 |
| 47 16B-D:MAGS 1 | 10.0 | 0.7 | 52.0 | 3.1 | 0.1 | 0.8 | 0.10 | 0.02 | 0.25 | 1.10 |
| 48 16B-E:HI MAGS | 10.2 | 1.0 | 52.0 | 2.8 | 0.2 | 0.8 | 0.10 | 0.04 | 0.26 | 1.20 |
| 49 17-A:NON MAGS | 9.6 | 16.0 | 44.0 | 2.9 | 0.4 | 1.0 | 0.20 | 0.03 | 0.26 | 0.88 |
| 50 17-B:MIDS | 9.0 | 14.0 | 47.0 | 3.0 | 0.5 | 0.9 | 0.25 | 0.04 | 0.26 | 0.84 |
| 51 17-C:MAGS 2 | 13.0 | 2.5 | 45.0 | 3.8 | 0.1 | 1.2 | 0.20 | 0.04 | 0.36 | 0.90 |
| 52 17-D:MAGS 1 | 14.0 | 3.9 | 36.0 | 3.9 | 0.1 | 1.2 | 0.30 | 0.04 | 0.32 | 0.98 |
| 53 17-E:HI MAGS | 7.8 | 6.2 | 45.0 | 4.3 | 0.3 | 0.7 | 0.40 | 0.04 | 0.26 | 1.10 |
| 54 17B-A:NON MAGS | 13.0 | 8.0 | 46.0 | 2.3 | 0.2 | 1.5 | 0.50 | 0.05 | 0.13 | 1.00 |
| 55 17B-B:MIDS | 14.5 | 3.4 | 48.0 | 2.3 | 0.2 | 1.5 | 0.45 | 0.07 | 0.15 | 1.10 |
| 56 17B-C:MAGS 2 | 32.0 | 0.5 | 39.0 | 2.7 | 0.1 | 3.5 | 0.40 | 0.09 | 0.20 | 0.88 |
| 57 17B-D:HI MAGS | 8.2 | 1.8 | 56.0 | 2.1 | 0.2 | 1.0 | 0.35 | 0.03 | 0.21 | 1.30 |
| 58 17B-E:HI MAGS | 42.0 | 0.9 | 23.5 | 2.9 | 0.2 | 4.8 | 0.25 | 0.09 | 0.25 | 0.69 |
| 59 18-A:NON MAGS | 1.1 | 84.0 | 3.2 | 10.2 | 0.3 | 0.7 | 1.55 | 0.02 | X | 0.18 |
| 60 18-B:MIDS | 0.3 | 82.0 | 3.8 | 11.8 | X | 0.7 | 1.95 | 0.04 | X | 0.24 |
| 61 18-C:MAGS 2 | 0.4 | 52.0 | 4.5 | 18.5 | 0.1 | 1.1 | 3.10 | 0.04 | X | 0.26 |
| 62 18-D:MAGS 1 | 0.5 | 62.0 | 4.0 | 15.0 | 0.2 | 1.0 | 2.60 | 0.05 | 0.01 | 0.29 |
| 63 18-E:HI MAGS | 0.8 | 64.0 | 6.4 | 15.0 | 0.2 | 1.0 | 3.50 | 0.07 | 0.01 | 0.32 |
| 64 22-A:NON MAGS | 6.2 | 36.0 | 20.5 | 2.5 | 0.1 | 0.7 | 0.30 | 0.02 | 0.10 | 0.84 |
| 65 22-B:MIDS | 5.0 | 58.0 | 15.5 | 2.3 | 0.1 | 0.5 | 0.25 | 0.02 | 0.08 | 0.73 |
| 66 22-C:MAGS 2 | 10.6 | 6.6 | 24.0 | 3.5 | 0.1 | 1.0 | 0.25 | 0.02 | 0.18 | 1.10 |
| 67 22-D:MAGS 1 | 11.8 | 8.2 | 24.0 | 3.5 | 0.3 | 1.1 | 0.25 | 0.03 | 0.17 | 0.95 |
| 68 22-E:HI MAGS | 12.0 | 12.0 | 24.0 | 3.5 | 0.3 | 1.1 | 0.45 | 0.04 | 0.18 | 0.92 |
| 69 25-A:NON MAGS | 1.0 | 80.0 | 16.5 | 0.9 | 0.1 | 0.2 | 0.15 | 0.03 | 0.03 | 0.36 |
| 70 25-B:MIDS | 6.6 | 80.0 | 10.8 | 0.6 | 0.1 | 0.2 | 0.15 | 0.03 | 0.02 | 0.27 |

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| ELEMENTS METHOD | Cr-203 TOTAL | Si TOTAL | Fe203 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | Ti TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|-------------------------|-----------------|-------------|----------------|----------------|--------------|--------------|-------------|---------------|--------------|------------|
| 71 25-C:MAGS 2 | 1.7 | 11.0 | 58.0 | 2.7 | 0.2 | 0.9 | 0.25 | 0.02 | 0.19 | 1.00 |
| 72 25-D:MAGS 1 | 1.2 | 14.5 | 50.0 | 2.8 | 0.2 | 1.1 | 0.30 | 0.06 | 0.20 | 0.92 |
| 73 25-E:HI MAGS | 10.4 | 13.5 | 54.0 | 1.8 | 0.2 | 0.5 | 0.30 | 0.07 | 0.14 | 1.20 |
| 74 28-38233-A:NON MAGS | 12.5 | 16.5 | 41.0 | 13.0 | 0.3 | 0.8 | 1.15 | 0.03 | 0.19 | 0.57 |
| 75 28-38233-B:MIDS | 7.0 | 15.0 | 44.0 | 13.0 | X | 0.7 | 1.05 | 0.03 | 0.20 | 0.78 |
| 76 28-38233-C:MAGS 2 | 6.2 | 10.4 | 40.0 | 9.4 | X | 0.8 | 0.85 | 0.01 | 0.21 | 0.80 |
| 77 28-38233-D:MAGS 1 | 5.0 | 11.0 | 47.0 | 11.0 | 0.1 | 1.1 | 0.85 | 0.04 | 0.31 | 1.10 |
| 78 28-38233-E:HI MAGS | 6.4 | 7.6 | 60.0 | 7.6 | 0.1 | 0.6 | 0.45 | 0.03 | 0.20 | 1.00 |
| 79 28-38234-A:NON MAGS | 8.4 | 13.5 | 60.0 | 3.7 | X | 0.5 | 0.30 | 0.04 | 0.10 | 1.00 |
| 80 28-38234-B:MAGS 2 | 4.4 | 4.2 | 54.0 | 4.6 | 0.1 | 0.7 | 0.35 | 0.05 | 0.14 | 1.10 |
| 81 28-38234-C:MAGS 1 | 8.6 | 6.8 | 62.0 | 4.6 | 0.1 | 0.8 | 0.35 | 0.04 | 0.14 | 1.10 |
| 82 28-38234-D:HI MAGS | 6.2 | 5.4 | 64.0 | 3.8 | 0.2 | 0.5 | 0.45 | 0.04 | 0.12 | 1.20 |
| 83 28B-A:NON MAGS | 19.5 | 31.0 | 37.0 | 2.8 | 0.1 | 2.3 | 0.30 | 0.07 | 0.08 | 0.62 |
| 84 28B-B:MIDS | 25.5 | 12.0 | 42.0 | 3.5 | 0.2 | 3.0 | 0.30 | 0.07 | 0.13 | 0.59 |
| 85 28B-C:MAGS 2 | 39.0 | 1.3 | 39.0 | 4.3 | 0.2 | 4.4 | 0.20 | 0.07 | 0.19 | 0.36 |
| 86 28B-D:MAGS 1 | 47.0 | 1.5 | 34.0 | 4.4 | 0.2 | 4.8 | 0.15 | 0.10 | 0.23 | 0.57 |
| 87 28B-E:HI MAGS | 5.6 | 0.7 | 78.0 | 1.1 | 0.2 | 0.8 | 0.05 | 0.01 | 0.15 | 1.40 |
| 88 29B-A:NON MAGS | 9.0 | 24.5 | 54.0 | 1.8 | 0.1 | 0.9 | 0.40 | 0.06 | 0.07 | 1.00 |
| 89 29B-B:MIDS | 10.8 | 10.8 | 62.0 | 2.2 | 0.3 | 1.0 | 0.45 | 0.09 | 0.09 | 1.10 |
| 90 29B-C:MAGS 2 | 26.0 | 1.2 | 54.0 | 3.0 | 0.3 | 2.8 | 0.35 | 0.06 | 0.15 | 0.88 |
| 91 29B-D:MAGS 1 | 39.0 | 1.1 | 42.0 | 3.6 | 0.2 | 4.5 | 0.20 | 0.11 | 0.19 | 0.78 |
| 92 29B-E:HI MAGS | 26.0 | 1.0 | 56.0 | 2.7 | 0.2 | 3.0 | 0.25 | 0.09 | 0.17 | 1.00 |
| 93 31-A:NON MAGS | 3.6 | 11.0 | 62.0 | 2.2 | 0.3 | 0.2 | 0.15 | 0.02 | 0.28 | 1.20 |
| 94 31-B:MAGS 2 | 5.2 | 1.3 | 66.0 | 2.8 | 0.2 | 0.2 | 0.10 | 0.03 | 0.39 | 1.20 |
| 95 31-C:MAGS 1 | 4.7 | 1.6 | 66.0 | 3.1 | 0.3 | 0.4 | 0.15 | 0.02 | 0.39 | 1.20 |
| 96 31-D:HI MAGS | 5.2 | 1.5 | 72.0 | 2.6 | 0.2 | 0.2 | 0.15 | 0.03 | 0.35 | 1.20 |
| 97 37-38140-A:NON MAGS | 5.8 | 8.6 | 64.0 | 2.5 | 0.1 | 0.2 | 0.15 | X | 0.21 | 1.10 |
| 98 37-38140-B:MIDS | 6.6 | 7.8 | 62.0 | 2.6 | 0.2 | 0.3 | 0.25 | 0.02 | 0.23 | 1.10 |
| 99 37-38140-C:MAGS 2 | 8.4 | 1.4 | 66.0 | 2.7 | 0.1 | 0.5 | 0.20 | 0.02 | 0.26 | 1.10 |
| 100 37-38140-D:MAGS 1 | 9.2 | 1.9 | 64.0 | 2.8 | 0.1 | 0.4 | 0.20 | 0.02 | 0.26 | 1.10 |
| 101 37-38140-E:HI MAGS | 7.6 | 1.1 | 78.0 | 2.4 | 0.1 | 0.4 | 0.35 | 0.02 | 0.24 | 1.30 |
| 102 37-38258-A:NON MAGS | 3.8 | 56.0 | 43.0 | 2.7 | 0.1 | 0.2 | 0.45 | 0.02 | 0.12 | 0.74 |
| 103 37-38258-B:MIDS | 5.4 | 10.2 | 66.0 | 3.6 | 0.1 | 0.2 | 0.50 | 0.01 | 0.22 | 1.10 |
| 104 37-38258-C:MAGS 2 | 6.2 | 5.6 | 66.0 | 4.1 | 0.1 | 0.3 | 0.50 | 0.02 | 0.27 | 1.30 |
| 105 37-38258-D:MAGS 1 | 7.2 | 5.4 | 74.0 | 4.1 | 0.3 | 0.3 | 0.50 | 0.01 | 0.27 | 1.20 |
| 106 37-38258-E:HI MAGS | 10.4 | 7.4 | 74.0 | 4.1 | 0.3 | 0.5 | 0.55 | 0.03 | 0.28 | 1.20 |
| 107 38-A:NON MAGS | 8.8 | 64.0 | 66.0 | 2.4 | 0.4 | 0.8 | 0.45 | 0.04 | 0.07 | 0.66 |
| 108 38-B:MAGS 2 | 19.5 | 6.4 | 37.0 | 3.8 | 0.2 | 1.7 | 0.60 | 0.05 | 0.16 | 0.96 |
| 109 38-C:MAGS 1 | 14.5 | 7.0 | 58.0 | 4.1 | 0.3 | 1.2 | 0.65 | 0.04 | 0.30 | 1.00 |
| 110 38-D:HI MAGS | 5.0 | 7.0 | 56.0 | 4.3 | 0.3 | 0.5 | 0.75 | 0.02 | 0.45 | 1.10 |
| 111 39-38256-A:NON MAGS | 6.0 | 26.5 | 64.0 | 2.3 | 0.4 | 0.7 | 0.30 | 0.04 | 0.11 | 0.98 |
| 112 39-38256-B:MAGS 2 | 11.2 | 4.4 | 56.0 | 3.4 | 0.2 | 1.1 | 0.30 | 0.04 | 0.19 | 1.10 |
| 113 39-38256-C:MAGS 1 | 13.0 | 4.8 | 66.0 | 3.5 | 0.2 | 1.1 | 0.30 | 0.06 | 0.25 | 1.10 |
| 114 39-38256-D:HI MAGS | 5.0 | 2.4 | 76.0 | 2.7 | 0.3 | 0.6 | 0.20 | 0.02 | 0.37 | 1.20 |
| 115 39-38278-A:NON MAGS | 13.0 | 11.6 | 58.0 | 3.4 | 0.1 | 3.2 | 0.30 | 0.05 | 0.50 | 0.95 |

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| ELEMENTS METHOD | Cr203 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 116 39-38278-B:MASS 2 | 16.0 | 5.4 | 54.0 | 4.2 | X | 3.0 | 0.30 | 0.05 | 1.60 | 0.86 |
| 117 39-38278-C:MASS 1 | 11.4 | 4.2 | 60.0 | 5.2 | 0.2 | 2.0 | 0.25 | 0.06 | 2.65 | 0.77 |
| 118 39-38278-D:HI MASS | 2.9 | 1.8 | 78.0 | 2.7 | 0.2 | 0.8 | 0.10 | X | 1.40 | 1.40 |
| 119 41-A:NON MASS | 25.0 | 12.0 | 46.0 | 4.3 | 0.2 | 3.0 | 0.20 | 0.08 | 0.13 | 0.68 |
| 120 41-B:MASS 1 | 37.0 | 1.5 | 43.0 | 4.8 | 0.1 | 4.7 | 0.10 | 0.13 | 0.22 | 0.66 |
| 121 41-C:HI MASS | 4.4 | 0.7 | 84.0 | 1.7 | 0.2 | 1.0 | 0.05 | 0.03 | 0.20 | 1.30 |
| 122 50-A:NON MASS | 6.8 | 64.0 | 36.0 | 1.8 | 0.3 | 0.7 | 0.25 | 0.03 | 0.04 | 0.57 |
| 123 50-B:MIDS | 6.4 | 54.0 | 39.0 | 1.7 | 0.1 | 0.6 | 0.30 | X | 0.04 | 0.54 |
| 124 50-C:MASS 2 | 20.0 | 3.9 | 58.0 | 2.8 | 0.1 | 1.9 | 0.25 | 0.06 | 0.15 | 0.94 |
| 125 50-D:MASS 1 | 26.0 | 5.8 | 50.0 | 3.1 | 0.3 | 2.5 | 0.25 | 0.05 | 0.21 | 0.77 |
| 126 50-E:HI MASS | 26.5 | 7.8 | 50.0 | 2.9 | 0.3 | 2.4 | 0.35 | 0.05 | 0.25 | 0.83 |
| 127 56-A:NON MASS | 3.4 | 29.5 | 58.0 | 1.5 | 0.4 | 0.2 | 0.25 | 0.02 | 0.25 | 0.90 |
| 128 56-B:MIDS | 3.3 | 28.0 | 56.0 | 1.6 | 0.1 | 0.2 | 0.25 | 0.02 | 0.29 | 0.83 |
| 129 56-C:MASS 2 | 5.4 | 3.7 | 74.0 | 2.0 | 0.5 | 0.4 | 0.20 | 0.02 | 0.54 | 1.10 |
| 130 56-D:MASS 1 | 7.2 | 3.5 | 74.0 | 2.1 | 0.2 | 0.5 | 0.20 | 0.01 | 0.58 | 1.10 |
| 131 56-E:HI MASS | 6.0 | 3.9 | 78.0 | 2.5 | 0.2 | 0.6 | 0.30 | 0.03 | 0.44 | 1.10 |
| 132 57-A:NON MASS | 5.6 | 13.5 | 62.0 | 3.2 | 0.3 | 0.4 | 0.35 | X | 0.29 | 1.00 |
| 133 57-B:MIDS | 5.8 | 14.5 | 60.0 | 3.5 | 0.4 | 0.4 | 0.40 | 0.04 | 0.30 | 0.90 |
| 134 57-C:MASS 2 | 7.8 | 5.4 | 66.0 | 4.3 | 0.4 | 0.5 | 0.50 | 0.05 | 0.50 | 0.99 |
| 135 57-D:MASS 1 | 7.4 | 8.2 | 58.0 | 4.8 | 0.3 | 0.6 | 0.70 | 0.02 | 0.92 | 1.00 |
| 136 57-E:HI MASS | 4.9 | 3.7 | 72.0 | 3.1 | 0.3 | 1.0 | 0.25 | 0.01 | 1.25 | 1.10 |
| 137 66-A:NON MASS | 3.8 | 64.0 | 26.0 | 1.2 | 0.5 | 0.5 | 0.25 | 0.07 | 0.03 | 0.39 |
| 138 66-B:MASS 2 | 22.0 | 4.9 | 56.0 | 3.0 | 0.4 | 2.3 | 0.35 | 0.06 | 0.14 | 0.85 |
| 139 66-C:MASS 1 | 31.0 | 4.4 | 48.0 | 3.2 | 0.4 | 3.2 | 0.35 | 0.08 | 0.21 | 0.71 |
| 140 66-D:HI MASS | 9.0 | 4.4 | 74.0 | 2.1 | 0.6 | 1.0 | 0.40 | 0.05 | 0.20 | 1.10 |
| 141 68-A:NON MASS | 12.5 | 31.0 | 39.0 | 4.0 | 1.5 | 2.1 | 0.55 | 0.07 | 0.31 | 0.63 |
| 142 68-B:MASS 1 | 16.0 | 20.0 | 39.0 | 5.0 | 1.4 | 2.9 | 0.80 | 0.08 | 0.66 | 0.69 |
| 143 68-C:HI MASS | 9.8 | 23.5 | 45.0 | 5.0 | 1.4 | 4.9 | 0.70 | 0.04 | 0.96 | 0.66 |
| 144 71-A:NON MASS | 5.2 | 70.0 | 25.0 | 2.5 | 0.2 | 1.2 | 0.25 | 0.01 | 0.04 | 0.40 |
| 145 71-B:MIDS | 7.2 | 52.0 | 37.0 | 5.2 | 0.3 | 1.0 | 0.35 | 0.05 | 0.07 | 0.45 |
| 146 71-C:MASS 2 | 16.5 | 5.0 | 58.0 | 4.5 | 0.3 | 1.6 | 0.30 | 0.05 | 0.18 | 0.91 |
| 147 71-D:MASS 1 | 17.5 | 8.0 | 56.0 | 4.5 | 0.4 | 1.6 | 0.35 | 0.06 | 0.19 | 0.85 |
| 148 71-E:HI MASS | 17.0 | 10.2 | 54.0 | 4.0 | 0.4 | 1.5 | 0.45 | 0.06 | 0.20 | 0.92 |
| 149 82-A:NON MASS | 25.0 | 18.5 | 35.0 | 8.2 | 0.5 | 2.5 | 0.20 | 0.08 | 0.14 | 0.58 |
| 150 82-B:MASS 2 | 24.5 | 4.9 | 45.0 | 7.6 | 0.2 | 2.3 | 0.20 | 0.07 | 0.19 | 0.74 |
| 151 82-C:MASS 1 | 8.6 | 6.2 | 50.0 | 9.4 | 0.2 | 0.9 | 0.45 | 0.05 | 0.15 | 0.86 |
| 152 82-D:HI MASS | 3.1 | 3.8 | 72.0 | 4.7 | 0.2 | 0.5 | 0.20 | 0.02 | 0.15 | 1.20 |
| 153 83-A:NON MASS | 3.7 | 32.0 | 54.0 | 2.0 | 0.3 | 0.3 | 0.25 | 0.04 | 0.10 | 0.83 |
| 154 83-B:MIDS | 3.9 | 35.0 | 52.0 | 1.9 | 0.3 | 0.3 | 0.25 | 0.04 | 0.10 | 0.78 |
| 155 83-C:MASS 2 | 6.2 | 2.7 | 68.0 | 2.5 | 0.2 | 0.4 | 0.20 | 0.04 | 0.18 | 1.10 |
| 156 83-D:MASS 1 | 8.2 | 3.9 | 64.0 | 2.7 | 0.2 | 0.5 | 0.20 | 0.02 | 0.20 | 1.10 |
| 157 83-E:HI MASS | 12.5 | 5.4 | 62.0 | 2.7 | 0.2 | 0.7 | 0.25 | 0.06 | 0.20 | 1.00 |
| 158 84-A:NON MASS | 32.0 | 5.6 | 35.0 | 8.0 | 0.6 | 3.3 | 0.15 | 0.12 | 0.31 | 0.51 |
| 159 84-B:MASS 1 | 17.5 | 7.6 | 50.0 | 8.4 | 0.4 | 1.7 | 0.15 | 0.05 | 0.26 | 0.79 |
| 160 84-C:HI MASS | 3.1 | 5.2 | 68.0 | 5.6 | 0.4 | 0.6 | 0.10 | 0.05 | 0.17 | 1.10 |

314

845315

| ELEMENTS METHOD | Cr203 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|-------------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 161 :34837-03-38205T-CON | 60.0 | 0.1 | 28.5 | 3.5 | 0.2 | 6.2 | 0.10 | 0.18 | 0.44 | 0.35 |
| 162 :34837-03-38205T-CON-250 | 56.0 | X | 27.0 | 3.6 | 0.2 | 6.6 | 0.10 | 0.15 | 0.48 | 0.36 |
| 163 :34837-04-38211T-CON | 17.0 | 0.1 | 68.0 | 2.5 | 0.2 | 1.5 | 0.20 | 0.06 | 0.36 | 1.00 |
| 164 :34837-04-38211T-CON-250 | 17.0 | 0.5 | 64.0 | 2.5 | 0.3 | 1.5 | 0.20 | 0.07 | 0.33 | 0.95 |
| 165 :34837-10-38159T-CON | 30.0 | 0.2 | 50.0 | 3.1 | 0.1 | 2.8 | 0.15 | 0.09 | 0.66 | 0.91 |
| 166 :34837-10-38159T-CON-250 | 31.0 | X | 47.0 | 3.0 | 0.2 | 2.9 | 0.15 | 0.10 | 0.64 | 0.67 |
| 167 :34837-23-38184T-CON | 48.0 | X | 37.0 | 3.3 | 0.2 | 5.2 | 0.20 | 0.14 | 0.46 | 0.92 |
| 168 :34837-23-38184T-CON-250 | 56.0 | X | 32.0 | 3.4 | 0.2 | 5.8 | 0.15 | 0.14 | 0.54 | 0.35 |
| 169 :34837-26-38156T-CON | 58.0 | 0.4 | 26.5 | 3.4 | 0.3 | 6.2 | 0.20 | 0.12 | 0.54 | 0.36 |
| 170 :34837-26-38156T-CON-250 | 64.0 | 0.3 | 25.5 | 3.4 | 0.2 | 6.4 | 0.20 | 0.15 | 0.58 | 0.24 |
| 171 :34837-28-38196T-CON | 66.0 | X | 24.5 | 4.2 | 0.1 | 7.6 | 0.05 | 0.21 | 0.30 | 0.26 |
| 172 :34837-28-38196T-CON-250 | 64.0 | X | 22.5 | 4.0 | 0.2 | 7.0 | 0.05 | 0.16 | 0.29 | 0.27 |
| 173 ?-38157-A:NON MAGS | 9.4 | 18.5 | 52.0 | 4.4 | 0.1 | 1.0 | 0.40 | 0.06 | 0.13 | 0.73 |
| 174 ?-38157-B:MIDS | 6.8 | 37.0 | 43.0 | 4.2 | 0.2 | 0.7 | 0.35 | 0.08 | 0.13 | 0.67 |
| 175 ?-38157-C:MAGS 2 | 15.0 | 10.2 | 56.0 | 4.9 | 0.2 | 1.3 | 0.45 | 0.09 | 0.20 | 0.79 |
| 176 ?-38157-D:MAGS 1 | 14.5 | 9.4 | 52.0 | 4.9 | 0.2 | 1.3 | 0.45 | 0.07 | 0.20 | 0.77 |
| 177 ?-38157-E:HI MAGS | 6.8 | 9.2 | 60.0 | 3.6 | 0.2 | 0.5 | 0.55 | 0.06 | 0.12 | 1.00 |
| 178 ?-38262-A:NON MAGS | 4.1 | 21.5 | 64.0 | 2.5 | 0.2 | 0.2 | 0.40 | 0.04 | 0.15 | 1.00 |
| 179 ?-38262-B:MAGS 2 | 6.8 | 3.8 | 68.0 | 4.1 | 0.2 | 0.3 | 0.40 | 0.06 | 0.22 | 1.10 |
| 180 ?-38262-C:MAGS 1 | 8.0 | 5.0 | 66.0 | 4.4 | 0.2 | 0.4 | 0.50 | 0.05 | 0.23 | 1.00 |
| 181 ?-38262-D:HI MAGS | 5.0 | 4.4 | 74.0 | 3.0 | 0.3 | 0.3 | 0.75 | 0.05 | 0.22 | 1.10 |
| 182 Ch.0001(05B-A:NON MAGS) | 14.5 | 9.8 | 62.0 | 2.3 | X | 1.3 | 0.35 | 0.03 | 0.19 | 0.98 |
| 183 Ch.0026(10-B:MAGS 2) | 5.2 | 8.4 | 66.0 | 2.4 | 0.9 | 0.5 | 0.60 | 0.05 | 0.09 | 0.94 |
| 184 Ch.0051(17-C:MAGS 2) | 14.5 | 2.5 | 62.0 | 3.5 | X | 1.1 | 0.20 | 0.04 | 0.34 | 0.95 |
| 185 Ch.0076(20-38233-C:MAGS) | 8.6 | 13.5 | 47.0 | 13.5 | 0.1 | 0.9 | 1.05 | 0.02 | 0.28 | 0.57 |
| 186 Ch.0101(37-38140-E:HI MA) | 7.2 | 0.9 | 74.0 | 2.3 | X | 0.4 | 0.35 | 0.03 | 0.22 | 1.10 |
| 187 Ch.0126(50-E:HI MAGS) | 26.0 | 8.2 | 50.0 | 3.1 | 0.2 | 2.4 | 0.40 | 0.05 | 0.27 | 0.70 |
| 188 Ch.0151(62-C:MAGS 1) | 6.8 | 5.2 | 47.0 | 8.6 | 0.1 | 0.7 | 0.45 | 0.03 | 0.11 | 0.84 |
| 189 Ch.0176(?-38157-D:MAGS 1) | 13.5 | 9.6 | 54.0 | 5.0 | 0.1 | 1.3 | 0.60 | 0.06 | 0.20 | 0.76 |
| 190 STD 1:BCS-308 | 40.0 | 4.6 | 17.0 | 19.5 | 0.1 | 17.5 | 0.15 | 0.27 | 0.18 | 0.21 |
| 191 STD 2:CHROMITE-4 | 44.0 | 4.7 | 23.0 | 11.6 | 0.1 | 14.0 | 0.40 | 0.18 | 0.58 | 0.22 |
| 192 STD 2:JAL070-1 | 49.0 | 2.9 | 21.0 | 12.5 | 0.1 | 16.5 | 0.35 | 0.23 | 0.22 | 0.20 |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

315

845316

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 GOSNELLS W.A. 5110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

316

JOB INFORMATION

JOB CODE : 218.0/873521
 NO. SAMPLES : 67
 ELEMENTS : 10
 CLIENT D/N : LETTER
 DATE RECEIVED : 18/09/87
 DATE COMPLETED : 13/10/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N.PERRIGNON....
 COMMENTS : MAGS....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | Si02 | Fe203 | Al203 | CaO | MgO | Ti02 | V205 | MnO | P |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.1 | 0.05 | 0.1 | 0.01 | 0.01 |
| METHOD | TOTAL |

SAMPLE NUMBERS

| | | | | | | | | | | | |
|----|---------------|------|-----|------|-----|------|-----|------|-----|------|------|
| 1 | 02:A:NON MAGS | 3.6 | 0.2 | 86.0 | 3.0 | 0.38 | 0.3 | 0.40 | X | 0.12 | 1.10 |
| 2 | 02:B:MIDS | 3.9 | 1.1 | 83.0 | 3.2 | 0.71 | 0.2 | 0.45 | X | 0.13 | 1.10 |
| 3 | 02:C:MAGS 2 | 5.0 | X | 82.0 | 3.5 | 0.43 | 0.3 | 0.37 | X | 0.13 | 1.10 |
| 4 | 02:D:MAGS 1 | 3.8 | X | 87.0 | 2.7 | 0.55 | 0.2 | 0.43 | X | 0.12 | 1.20 |
| 5 | 02:E:HI MAGS | 3.2 | 1.1 | 88.0 | 2.8 | 0.49 | 0.2 | 0.37 | X | 0.10 | 1.20 |
| 6 | 03:A:NON MAGS | 4.7 | 0.3 | 79.0 | 5.1 | 0.45 | 0.3 | 0.45 | X | 0.11 | 1.10 |
| 7 | 03:B:MIDS | 5.0 | X | 82.0 | 4.6 | 0.38 | 0.2 | 0.59 | 0.1 | 0.12 | 1.10 |
| 8 | 03:C:MAGS 2 | 8.1 | 0.3 | 73.0 | 5.2 | 0.30 | 0.6 | 0.69 | 0.1 | 0.13 | 0.94 |
| 9 | 03:D:MAGS 1 | 9.6 | X | 77.0 | 3.9 | 0.37 | 0.9 | 0.53 | 0.1 | 0.16 | 1.00 |
| 10 | 03:E:HI MAGS | 4.5 | X | 85.0 | 3.3 | 0.25 | 0.1 | 0.49 | 0.1 | 0.10 | 1.40 |
| 11 | 08:A:NON MAGS | 6.3 | X | 79.0 | 3.5 | 0.25 | 0.3 | 0.67 | 0.1 | 0.06 | 1.20 |
| 12 | 08:B:MIDS | 14.4 | X | 69.0 | 4.2 | 0.47 | 0.7 | 0.40 | 0.1 | 0.09 | 0.97 |
| 13 | 08:C:MAGS 2 | 15.6 | 0.1 | 71.0 | 3.9 | 0.55 | 0.5 | 0.36 | 0.1 | 0.10 | 0.87 |
| 14 | 08:D:MAGS 1 | 2.6 | 0.9 | 87.0 | 3.0 | 0.82 | 0.3 | 0.52 | 0.1 | 0.06 | 0.97 |
| 15 | 08:E:HI MAGS | 2.0 | 0.9 | 89.0 | 3.2 | 0.63 | 0.3 | 0.41 | X | 0.06 | 1.10 |
| 16 | 09:A:NON MAGS | 3.1 | 2.3 | 78.0 | 3.7 | 0.37 | 0.3 | 0.52 | X | 0.04 | 0.99 |
| 17 | 09:B:MIDS | 5.3 | 2.7 | 80.0 | 4.7 | 0.60 | 0.7 | 0.60 | X | 0.06 | 0.86 |
| 18 | 09:C:MAGS 2 | 14.8 | 2.0 | 68.0 | 4.9 | 0.69 | 1.9 | 0.47 | 0.1 | 0.10 | 0.74 |
| 19 | 09:D:MAGS 1 | 4.8 | 1.4 | 83.0 | 3.6 | 0.64 | 0.7 | 0.58 | 0.1 | 0.07 | 1.00 |
| 20 | 09:D:MAGS 1A | 2.5 | 1.3 | 85.0 | 3.4 | 0.66 | 0.3 | 0.63 | X | 0.08 | 1.30 |
| 21 | 09:E:HI MAGS | 2.0 | 1.3 | 88.0 | 3.1 | 1.74 | 0.4 | 0.42 | X | 0.07 | 1.20 |
| 22 | 11:A:NON MAGS | 8.4 | 2.7 | 67.0 | 5.4 | 0.93 | 0.8 | 0.35 | X | 0.12 | 0.89 |
| 23 | 11:B:MIDS | 11.7 | 0.3 | 67.0 | 5.4 | 0.50 | 1.1 | 0.32 | X | 0.37 | 0.77 |
| 24 | 11:C:MAGS 2 | 17.0 | 0.1 | 63.0 | 5.5 | 1.82 | 2.0 | 0.35 | X | 0.38 | 0.77 |
| 25 | 11:D:MAGS 1 | 28.8 | 1.9 | 53.0 | 5.3 | 0.58 | 3.4 | 0.23 | X | 0.37 | 0.61 |

845317

| ELEMENTS METHOD | Cr2O3 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|----------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 26 11:E:HI MAGS | 27.6 | 0.8 | 52.0 | 3.3 | 0.36 | 3.2 | 0.26 | X | 0.24 | 0.58 |
| 27 11:F:MAGS 3 | 19.9 | 0.5 | 61.0 | 5.6 | 0.33 | 2.2 | 0.27 | X | 0.35 | 0.64 |
| 28 16:A:NDN MAGS | 16.8 | X | 67.0 | 3.0 | 0.38 | 1.7 | 0.20 | X | 0.30 | 0.75 |
| 29 16:B:MIDS | 20.6 | X | 65.0 | 3.8 | 0.50 | 2.2 | 0.25 | X | 0.34 | 0.88 |
| 30 16:C:MAGS 2 | 20.2 | X | 63.0 | 3.7 | 0.41 | 2.1 | 0.23 | X | 0.32 | 0.73 |
| 31 16:D:MAGS 1 | 16.4 | X | 70.0 | 3.4 | 0.38 | 1.4 | 0.09 | X | 0.36 | 0.79 |
| 32 16:E:HI MAGS | 5.7 | X | 86.0 | 2.8 | 0.37 | 0.4 | 0.23 | X | 0.31 | 0.99 |
| 33 18:A:NDN MAGS | 8.9 | 1.6 | 73.0 | 3.9 | 0.60 | 0.8 | 0.16 | X | 0.23 | 0.81 |
| 34 18:B:MIDS | 10.8 | 1.2 | 71.0 | 3.8 | 0.32 | 1.0 | 0.20 | X | 0.24 | 0.76 |
| 35 18:C:MAGS 2 | 11.1 | 0.9 | 74.0 | 3.6 | 0.25 | 1.0 | 0.11 | X | 0.22 | 0.83 |
| 36 18:D:MAGS 1 | 11.6 | 0.4 | 75.0 | 3.4 | 0.22 | 1.1 | 0.11 | X | 0.22 | 0.83 |
| 37 18:E:HI MAGS | 9.2 | 0.4 | 84.0 | 3.0 | 0.09 | 0.8 | 0.14 | X | 0.22 | 0.90 |
| 38 21:A:NDN MAGS | 4.5 | 1.1 | 86.0 | 3.0 | 0.21 | 0.8 | 0.45 | X | 0.14 | 1.00 |
| 39 21:B:MIDS | 7.8 | 0.7 | 83.0 | 3.4 | 0.40 | 0.5 | 0.36 | X | 0.15 | 1.20 |
| 40 21:C:MAGS2 | 19.9 | 0.2 | 68.0 | 3.7 | 0.25 | 1.4 | 0.30 | X | 0.18 | 0.78 |
| 41 21:D:MAGS1 | 10.2 | 0.1 | 80.0 | 3.1 | 0.11 | 0.5 | 0.42 | X | 0.15 | 0.95 |
| 42 21:E:HI MAGS | 3.7 | 1.1 | 89.0 | 2.8 | 0.28 | 0.1 | 0.42 | X | 0.12 | 1.10 |
| 43 22:A:NDN MAGS | 5.9 | 0.3 | 81.0 | 3.8 | 0.29 | 0.1 | 0.42 | X | 0.16 | 0.95 |
| 44 22:B:MIDS | 11.1 | 0.9 | 71.0 | 4.2 | 0.56 | 0.4 | 0.49 | X | 0.29 | 0.81 |
| 45 22:C:MAGS 2 | 13.3 | 1.1 | 71.0 | 4.4 | 0.15 | 0.5 | 0.37 | X | 0.28 | 0.85 |
| 46 22:D:MAGS 1 | 15.1 | X | 71.0 | 4.1 | 0.15 | 0.7 | 0.54 | X | 0.31 | 0.80 |
| 47 22:E:HI MAGS | 7.2 | 1.3 | 83.0 | 3.5 | 0.39 | 0.1 | 0.53 | 0.1 | 0.21 | 0.90 |
| 25:A:NDN MAGS | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 48 25:B:MIDS | 5.6 | 1.2 | 72.0 | 5.1 | 0.37 | 0.1 | 0.42 | 0.1 | 0.18 | 0.93 |
| 49 25:C:MAGS 2 | 7.1 | 1.0 | 68.0 | 6.1 | 0.17 | 0.1 | 0.39 | 0.1 | 0.19 | 1.00 |
| 50 25:C:MAGS 2A | 13.0 | 0.5 | 59.0 | 5.9 | 0.04 | 0.5 | 0.27 | X | 0.22 | 0.75 |
| 51 25:D:MAGS 1 | 18.4 | 0.2 | 59.0 | 5.4 | 0.11 | 1.4 | 0.35 | 0.1 | 0.15 | 0.75 |
| 25:E:HI MAGS | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 52 27:A:NDN MAGS | 3.3 | 0.3 | 83.0 | 3.8 | 0.26 | X | 0.58 | X | 0.09 | 0.92 |
| 53 27:B:MIDS | 3.7 | 0.3 | 82.0 | 4.3 | 0.28 | X | 0.51 | X | 0.08 | 0.85 |
| 54 27:C:MAGS 2 | 6.9 | 0.9 | 81.0 | 5.0 | 0.32 | 0.2 | 0.56 | X | 0.07 | 0.77 |
| 55 27:D:MAGS 1 | 2.8 | X | 73.0 | 3.2 | 0.37 | X | 0.54 | X | 0.06 | 1.10 |
| 56 27:E:HI MAGS | 2.7 | 0.7 | 89.0 | 3.2 | 0.34 | X | 0.57 | X | 0.07 | 1.10 |
| 57 30:A:NDN MAGS | 3.1 | 0.1 | 88.0 | 3.6 | 0.38 | 0.3 | 0.27 | X | 0.04 | 1.10 |
| 58 30:B:MIDS | 3.1 | X | 84.0 | 3.9 | 0.34 | 0.3 | 0.36 | X | 0.06 | 1.10 |
| 59 30:C:MAGS 2 | 4.2 | X | 75.0 | 4.3 | 0.30 | 0.5 | 0.28 | X | 0.07 | 1.20 |
| 60 30:D:MAGS 1 | 3.7 | X | 88.0 | 3.4 | 0.15 | 0.4 | 0.23 | X | 0.07 | 1.10 |
| 61 30:E:HI MAGS | 3.4 | X | 93.0 | 3.2 | 0.39 | 0.6 | 0.21 | X | 0.06 | 1.20 |
| 62 Ch. 0001 (02:A:NDN MAGS |) 3.6 | 0.1 | 89.0 | 3.9 | 0.33 | 0.4 | 0.53 | X | 0.10 | 1.20 |
| 63 Ch. 0026 (11:E:HI MAGS |) 26.3 | 0.7 | 52.0 | 5.8 | 0.28 | 3.1 | 0.32 | X | 0.17 | 0.62 |
| 64 Ch. 0051 (25:D:MAGS 1 |) 17.8 | 0.1 | 63.0 | 5.7 | 0.12 | 1.6 | 0.30 | 0.1 | 0.13 | 0.83 |
| 65 STD 1:BCS308 | 40.7 | 3.4 | 1.5 | 19.8 | 0.53 | 16.6 | 0.18 | 0.2 | 0.05 | 0.13 |
| 66 STD 2:JAL870-1 | 45.8 | 1.8 | 1.9 | 13.5 | 0.36 | 13.9 | 0.30 | 0.2 | 0.11 | 0.22 |
| 67 STD 3:CHROMITE-2 | 46.0 | 2.5 | 2.3 | 11.9 | 0.14 | 12.5 | 0.45 | 0.1 | 0.24 | 0.21 |

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845318

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

LABORATORY REPORT

2 DAVIDSON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

313

JOB INFORMATION

JOB CODE : 218.0/873276
 NO. SAMPLES : 58
 ELEMENTS : 10
 CLIENT O/N : NOTE
 DATE RECEIVED : 07/09/87
 DATE COMPLETED : 13/10/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N. FERRIGNON....
 COMMENTS : PULPS....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | Si02 | Fe203 | Al203 | CaO | MgO | TiO2 | V2O5 | MnO | P |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.1 | 0.05 | 0.1 | 0.01 | 0.01 |
| METHOD | TOTAL |

SAMPLE NUMBERS

| | | | | | | | | | | | |
|----|---------------------|------|------|------|-----|------|-----|------|-----|------|------|
| 1 | 02B:A NON MAGS | 10.6 | 18.0 | 60.0 | 2.0 | X | 1.2 | 0.35 | X | 0.49 | 0.67 |
| 2 | 02B:B MIDS | 16.5 | 5.6 | 60.0 | 4.4 | 0.08 | 1.2 | 0.30 | X | 0.12 | 0.67 |
| 3 | 02B:C MAGS 2 | 28.0 | 2.1 | 52.0 | 5.0 | 0.04 | 1.9 | 0.20 | X | 0.16 | 0.64 |
| 4 | 02B:D MAGS 1 | 30.0 | 2.4 | 50.0 | 4.8 | X | 1.9 | 0.20 | X | 0.17 | 0.52 |
| 5 | 02B:E HI MAGS | 24.0 | 1.9 | 62.0 | 3.9 | 0.12 | 1.7 | 0.10 | X | 0.19 | 0.64 |
| 6 | 03B:A NON MAGS | 7.4 | 17.0 | 64.0 | 3.4 | 0.04 | 0.4 | 0.35 | X | 0.11 | 0.80 |
| 7 | 03B:B MIDS | 12.0 | 5.0 | 66.0 | 4.8 | 0.01 | 0.7 | 0.45 | X | 0.13 | 0.85 |
| 8 | 03B:C MAGS 2 | 24.5 | 2.6 | 56.0 | 4.7 | X | 1.8 | 0.35 | X | 0.19 | 0.63 |
| 9 | 03B:D MAGS 1 | 26.5 | 2.3 | 54.0 | 5.0 | X | 2.1 | 0.30 | X | 0.20 | 0.68 |
| 10 | 03B:E HI MAGS | 31.0 | 3.2 | 50.0 | 4.6 | X | 2.3 | 0.30 | X | 0.25 | 0.59 |
| 11 | 10 TAILS:A NON MAGS | 4.6 | 5.0 | 72.0 | 4.1 | 0.03 | X | 0.20 | X | 0.28 | 0.84 |
| 12 | 10 TAILS:B MAGS 2 | 4.8 | 4.8 | 72.0 | 4.1 | X | X | 0.25 | X | 0.28 | 0.80 |
| 13 | 10 TAILS:C MAGS 1 | 5.6 | 1.8 | 70.0 | 4.2 | X | X | 0.20 | X | 0.30 | 0.86 |
| 14 | 10 TAILS:D HI MAGS | I/S | I/S | I/S | I/S | I/S | I/S | I/S | I/S | I/S | I/S |
| 15 | 11 TAILS:A NON MAGS | 0.3 | 96.8 | 2.5 | 0.8 | X | 0.1 | 0.15 | X | 0.04 | 0.03 |
| 16 | 11 TAILS:B MAGS 2 | 10.8 | 24.0 | 41.0 | 5.4 | 0.01 | 0.9 | 0.90 | X | 0.17 | 0.46 |
| 17 | 11 TAILS:C MAGS 1 | 37.0 | 6.4 | 39.0 | 5.0 | X | 2.3 | 0.60 | X | 0.39 | 0.40 |
| 18 | 11 TAILS:D HI MAGS | 38.0 | 10.4 | 41.0 | 5.6 | X | 2.2 | 1.10 | X | 0.43 | 0.42 |
| 19 | 12 TAILS:A NON MAGS | 1.9 | 78.0 | 18.5 | 0.7 | 0.02 | X | 0.20 | X | 0.05 | 0.17 |
| 20 | 12 TAILS:B MIDS | 8.0 | 14.0 | 60.0 | 3.9 | X | 0.4 | 0.40 | X | 0.13 | 0.67 |
| 21 | 12 TAILS:C MAGS 2 | 19.5 | 9.4 | 58.0 | 4.1 | X | 1.2 | 0.45 | X | 0.16 | 0.68 |
| 22 | 12 TAILS:D MAGS 1 | 23.5 | 23.5 | 38.0 | 3.2 | X | 1.1 | 0.70 | X | 0.16 | 0.48 |
| 23 | 12 TAILS:E HI MAGS | 7.0 | 30.0 | 52.0 | 1.9 | X | X | 0.85 | X | 0.11 | 0.63 |
| 24 | 13 TAILS:A NON MAGS | 1.1 | 82.0 | 16.5 | 0.9 | X | X | 0.20 | X | 0.06 | 0.18 |
| 25 | 13 TAILS:B MAGS 2 | 5.8 | 10.0 | 64.0 | 3.9 | X | X | 0.60 | X | 0.20 | 0.75 |

845319

| ELEMENTS METHOD | Cr203 TOTAL | SiO2 TOTAL | Fe203 TOTAL | Al203 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|------------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 26 13 TAILS:C MAGS 1 | 17.5 | 8.4 | 56.0 | 3.8 | X | 0.8 | 0.85 | X | 0.22 | 0.58 |
| 27 13 TAILS:D HI MAGS | 5.8 | 34.0 | 48.0 | 2.4 | X | X | 1.40 | X | 0.13 | 0.52 |
| 28 14 TAILS:A NON MAGS | 2.2 | 43.0 | 44.0 | 1.2 | X | X | 0.20 | X | 0.17 | 0.50 |
| 29 14 TAILS:B MIDS | 4.0 | 7.8 | 76.0 | 1.9 | 0.07 | X | 0.10 | X | 0.31 | 0.84 |
| 30 14 TAILS:C MAGS 2 | 5.6 | 7.2 | 74.0 | 2.1 | 0.05 | 0.1 | 0.20 | X | 0.27 | 0.87 |
| 31 14 TAILS:D MAGS 1 | 11.6 | 4.8 | 70.0 | 2.1 | 0.04 | 0.4 | 0.20 | X | 0.30 | 0.88 |
| 32 14 TAILS:E HI MAGS | 6.0 | 12.5 | 76.0 | 1.5 | 0.03 | X | 0.70 | X | 0.18 | 0.83 |
| 33 18B:A NON MAGS | 4.9 | 5.6 | 74.0 | 3.6 | X | X | 0.10 | X | 0.18 | 0.88 |
| 34 18B:B MIDS | 5.0 | 3.7 | 76.0 | 3.8 | X | 0.1 | 0.10 | X | 0.23 | 0.86 |
| 35 18B:C MAGS 2 | 10.4 | 2.3 | 76.0 | 3.8 | X | 0.5 | 0.05 | X | 0.23 | 0.82 |
| 36 18B:D MAGS 1 | 12.0 | 2.0 | 70.0 | 3.4 | X | 0.3 | 0.05 | X | 0.22 | 0.77 |
| 37 18B:E HI MAGS | 5.8 | 1.5 | 86.0 | 1.9 | X | X | 0.05 | X | 0.18 | 1.00 |
| 38 20B:A NON MAGS | 4.4 | 16.5 | 72.0 | 2.0 | X | X | 0.50 | X | 0.13 | 0.86 |
| 39 20B:B MIDS | 7.2 | 4.8 | 90.0 | 2.7 | X | X | 0.50 | X | 0.16 | 0.85 |
| 40 20B:C MAGS 2 | 10.6 | 2.4 | 72.0 | 2.6 | X | 0.4 | 0.45 | X | 0.17 | 0.84 |
| 41 20B:D MAGS 1 | 14.5 | 2.7 | 66.0 | 3.1 | 0.10 | 0.6 | 0.40 | X | 0.18 | 0.79 |
| 42 20B:E HI MAGS | 8.4 | 2.6 | 90.0 | 2.0 | 0.03 | X | 0.35 | X | 0.22 | 0.93 |
| 43 22B:A NON MAGS | 18.0 | 18.5 | 52.0 | 2.7 | 0.17 | 0.8 | 0.30 | X | 0.21 | 0.56 |
| 44 22B:B MIDS | 29.0 | 3.9 | 52.0 | 3.8 | 0.16 | 1.7 | 0.20 | 0.1 | 0.29 | 0.61 |
| 45 22B:C MAGS 2 | 35.0 | 1.4 | 49.0 | 4.1 | 0.15 | 2.9 | 0.25 | 0.1 | 0.31 | 0.52 |
| 46 22B:D MAGS 1 | 36.0 | 1.7 | 45.0 | 4.1 | 0.11 | 2.1 | 0.25 | X | 0.33 | 0.49 |
| 47 22B:E HI MAGS | 40.0 | 2.0 | 44.0 | 4.0 | 0.12 | 2.1 | 0.30 | X | 0.41 | 0.50 |
| 48 27B:A NON MAGS | 18.5 | 15.5 | 52.0 | 3.3 | 0.02 | 1.1 | 0.40 | X | 0.11 | 0.60 |
| 49 27B:B MIDS | 30.0 | 3.3 | 48.0 | 4.9 | 0.07 | 2.3 | 0.25 | X | 0.14 | 0.57 |
| 50 27B:C MAGS 2 | 46.0 | 1.3 | 38.0 | 4.4 | 0.01 | 3.3 | 0.15 | X | 0.17 | 0.37 |
| 51 27B:D MAGS 1 | 48.0 | 1.5 | 32.0 | 4.6 | 0.05 | 3.9 | 0.15 | X | 0.21 | 0.34 |
| 52 27B:E HI MAGS | 4.7 | 0.7 | 92.0 | 0.9 | 0.03 | 0.2 | X | X | 0.15 | 1.10 |
| 53 Ch.0001(02B:A NON MAGS) | 10.8 | 17.0 | 58.0 | 2.7 | 0.03 | 0.3 | 0.35 | X | 0.60 | 0.68 |
| 54 Ch.0026(13 TAILS:C MAGS) | 17.5 | 8.2 | 56.0 | 3.9 | 0.02 | 0.5 | 0.70 | X | 0.30 | 0.60 |
| 55 Ch.0051(27B:D MAGS 1) | 48.0 | 1.4 | 34.0 | 4.5 | 0.06 | 4.0 | 0.15 | 0.1 | 0.21 | 0.33 |
| 56 STD 1:BCS 308 | 40.0 | 4.2 | 17.0 | 19.0 | 0.42 | 9.2 | 0.10 | 0.1 | 0.14 | |
| 57 STD 2:JAL 870-1 | 49.0 | 2.9 | 20.5 | 12.0 | 0.15 | 9.6 | 0.20 | 0.1 | 0.16 | |
| 58 STD 3:CHROMITE-1 | 46.0 | 5.6 | 25.0 | 17.2 | 0.02 | 18.6 | 0.30 | X | 0.54 | |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

515

845320

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 GOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

320

JOB INFORMATION

JOB CODE : 21B.0/873201
 NO. SAMPLES : 37
 ELEMENTS : 10
 CLIENT O/N :
 DATE RECEIVED : 03/09/87
 DATE COMPLETED : 30/09/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION :
 COMMENTS : PULP....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | SiO2 | Fe2O3 | Al2O3 | CaO | MgO | TiO2 | V2O5 | MnO | P |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | ppm |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.1 | 0.05 | 0.1 | 0.01 | 100 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | | |
| 1 4A:NON MAGS | 3.6 | 25.1 | 70.0 | 2.0 | X | 0.2 | 0.30 | 0.1 | 0.20 | 7100 |
| 2 4B:MIDS | 5.7 | 6.3 | 72.0 | 3.2 | X | 0.3 | 0.40 | 0.1 | 0.26 | 9000 |
| 3 4C:MAGS 2 | 7.1 | 4.4 | 98.0 | 3.6 | X | 0.6 | 0.40 | X | 0.27 | 8900 |
| 4 4D:MAGS 1 | 12.4 | 7.1 | 64.0 | 3.3 | X | 1.0 | 0.50 | X | 0.28 | 7500 |
| 5 4E:HI MAGS | 6.0 | 9.3 | 86.0 | 2.9 | X | 0.4 | 0.70 | X | 0.27 | 9200 |
| 6 7A:NON MAGS | 0.1 | 91.0 | 0.9 | 1.2 | 0.15 | 0.2 | 0.40 | X | X | 400 |
| 7 7B:MIDS | 0.1 | 96.0 | 1.0 | 1.4 | X | 0.2 | 0.40 | X | X | 500 |
| 8 7C:MAGS 2 | 10.2 | 68.0 | 11.3 | 8.8 | 0.35 | 1.4 | 2.80 | X | 0.10 | 1600 |
| 9 7D:MAGS 1 | 23.6 | 37.2 | 21.2 | 8.4 | 0.25 | 2.3 | 4.90 | 0.1 | 0.29 | 2400 |
| 10 8A:NON MAGS | 1.1 | 68.0 | 11.3 | 2.0 | 0.34 | 0.2 | 0.30 | X | X | 1300 |
| 11 8B:MIDS | 3.2 | 42.8 | 36.0 | 6.0 | 0.16 | 0.6 | 0.60 | X | 0.02 | 2800 |
| 12 8C:MAGS 2 | 13.2 | 14.8 | 49.0 | 7.5 | 0.18 | 1.4 | 0.80 | X | 0.07 | 6200 |
| 13 8D:MAGS 1 | 20.7 | 22.4 | 39.0 | 6.4 | 0.04 | 1.9 | 0.90 | 0.1 | 0.11 | 4600 |
| 14 8E:HI MAGS | 5.5 | 14.6 | 59.0 | 3.6 | 0.14 | 0.6 | 0.70 | X | 0.09 | 7400 |
| 15 9A:MIDS | 10.5 | 29.8 | 57.0 | 7.3 | 0.48 | 1.3 | 0.60 | X | 0.07 | 4800 |
| 16 9B:MAGS 2 | 15.3 | 15.1 | 59.0 | 6.7 | 0.26 | 2.1 | 0.60 | X | 0.12 | 5400 |
| 17 9C:MAGS 1 | 10.4 | 25.6 | 46.0 | 6.4 | 0.20 | 1.7 | 0.60 | X | 0.11 | 5000 |
| 18 B-15A:NON MAGS | 11.8 | 9.3 | 77.0 | 2.3 | X | 1.3 | 0.40 | X | 0.12 | 7900 |
| 19 B-15B:MIDS | 28.2 | 2.7 | 53.0 | 2.9 | X | 2.8 | 0.40 | 0.1 | 0.17 | 6200 |
| 20 B-15C:MAGS 2 | 32.1 | 1.6 | 57.0 | 4.6 | X | 3.4 | 0.30 | 0.1 | 0.20 | 4900 |
| 21 B-15D:MAGS 1 | 33.4 | 2.3 | 51.0 | 3.0 | X | 3.2 | 0.40 | 0.1 | 0.20 | 4900 |
| 22 B-15E:HI MAGS | 7.1 | 1.4 | 76.0 | 1.1 | X | 0.7 | 0.30 | 0.1 | 0.12 | 1.00% |
| 23 B-21A:NON MAGS | 12.9 | 28.3 | 60.0 | 1.9 | X | 5.2 | 0.30 | 0.1 | 0.14 | 5800 |
| 24 B-21B:MIDS | 25.2 | 4.7 | 51.0 | 2.6 | X | 3.6 | 0.30 | X | 0.17 | 6300 |
| 25 B-21C:MAGS 2 | 40.5 | 2.0 | 43.0 | 3.5 | X | 5.4 | 0.10 | X | 0.26 | 4200 |

845321

| ELEMENTS METHOD | Cr2O3 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|---------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 26 B-21D:MAGS 1 | 49.3 | 1.4 | 33.0 | 3.6 | X | 6.0 | 0.10 | 0.1 | 0.30 | 3200 |
| 27 B-21E:HI MAGS | 51.3 | 1.1 | 32.0 | 3.6 | X | 6.1 | 0.10 | X | 0.33 | 2900 |
| 28 B-31A:NON MAGS | 3.6 | 12.5 | 37.0 | 3.8 | X | 4.4 | 0.20 | X | 0.19 | 4200 |
| 29 B-31B:MIDS | 51.0 | 3.0 | 30.0 | 4.1 | X | 6.1 | 0.20 | 0.1 | 0.24 | 3400 |
| 30 B-31C:MAGS 2 | 58.0 | 1.3 | 27.8 | 4.0 | 0.04 | 6.9 | 0.10 | 0.1 | 0.34 | 2100 |
| 31 B-31D:MAGS 1 | 1.6 * | 0.6 | 92.0 | 0.4 | X | 0.7 | X | X | 0.10 | 1.10% |
| 32 B-31E:HI MAGS | 55.9 | 1.1 | 25.4 | 4.2 | X | 6.8 | X | 0.1 | 0.30 | 2200 |
| 33 Ch.0001(4A:NON MAGS) | 4.0 | 25.7 | 63.0 | 2.0 | X | 0.2 | 0.25 | X | 0.22 | 7700 |
| 34 Ch.0026(B-21D:MAGS 1) | 49.8 | 1.2 | 33.0 | 4.0 | X | 6.0 | 0.10 | 0.1 | 0.32 | 3400 |
| 35 STD 1:BCS30B | 40.5 | 4.0 | 17.9 | 19.6 | 0.14 | 17.1 | 0.10 | 0.2 | 0.17 | 1100 |
| 36 STD 2:JALB70-1 | 51.8 | 2.7 | 21.5 | 12.5 | X | 15.8 | 0.20 | 0.2 | 0.28 | 2000 |
| 37 STD 3:CHROMITE-1 | 44.5 | 3.9 | 24.0 | 10.9 | X | 13.9 | 0.20 | 0.1 | 0.48 | 2100 |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

921

845322

LABORATORY REPORT

2 DAVIDSON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

322

JOB INFORMATION

JOB CODE : 218.0/873110
 NO. SAMPLES : 26
 ELEMENTS : 10
 CLIENT O/N :
 DATE RECEIVED : 28/08/87
 DATE COMPLETED : 30/09/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 '1/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION :
 COMMENTS : PULP.....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | 8102 | Fe203 | Al203 | CaO | MgO | TiO2 | V205 | MnO | P | |
|----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % | ppm | |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.1 | 0.05 | 0.1 | 0.1 | 100 | |
| METHOD | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | |
| SAMPLE NUMBERS | | | | | | | | | | | |
| 1 | TAILS-2-A:MIDS | 15.0 | 10.0 | 67.0 | 5.6 | 0.18 | 1.6 | 0.50 | 0.2 | 0.1 | 6200 |
| 2 | TAILS-2-B:MAGS 2 | 28.0 | 4.3 | 60.0 | 5.1 | 0.27 | 2.6 | 0.40 | 0.1 | 0.2 | 6500 |
| 3 | TAILS-2-C:MAGS 1 | 31.0 | 5.8 | 61.0 | 5.0 | 0.10 | 2.6 | 0.40 | 0.1 | 0.2 | 6100 |
| 4 | TAILS-2-D:HI MAGS | 10.4 | 12.6 | 78.0 | 3.7 | 0.07 | 1.1 | 0.30 | 0.1 | 0.1 | 8700 |
| 5 | TAILS-3-A:NON MAGS | 7.8 | 49.0 | 45.0 | 3.1 | 0.08 | 1.0 | 0.20 | X | X | 4000 |
| 6 | TAILS-3-B:MIDS | 13.5 | 30.2 | 48.0 | 4.3 | 0.11 | 1.2 | 0.60 | X | 0.1 | 4800 |
| 7 | TAILS-3-C:MAGS 1 | 31.0 | 4.9 | 61.0 | 5.9 | 0.15 | 2.5 | 0.70 | 0.1 | 0.3 | 5800 |
| 8 | TAILS-3-D:HI MAGS | 10.0 | 13.8 | 81.0 | 3.3 | 0.18 | 1.0 | 0.60 | 0.1 | 0.1 | 8600 |
| 9 | TAILS-5-A:NON MAGS | 4.3 | 13.4 | 79.0 | 3.8 | 0.04 | 0.4 | 0.40 | 0.1 | 0.1 | 7700 |
| 10 | TAILS-5-B:MIDS | 7.4 | 5.4 | 83.0 | 4.1 | 0.31 | 0.8 | 0.40 | X | 0.2 | 8500 |
| 11 | TAILS-5-C:MAGS 2 | 12.0 | 3.6 | 81.0 | 4.0 | X | 1.1 | 0.30 | X | 0.3 | 8000 |
| 12 | TAILS-5-D:MAGS 1 | 8.6 | 3.4 | 87.0 | 3.8 | 0.06 | 0.8 | 0.30 | X | 0.3 | 8100 |
| 13 | TAILS-5-E:HI MAGS | 3.1 | 3.1 | 100.0 | 2.4 | 0.02 | 0.5 | 0.20 | X | 0.2 | 1.00% |
| 14 | TAILS-6-A:NON MIDS | 3.5 | 46.6 | 65.0 | 2.3 | 0.38 | 0.3 | 0.40 | X | 0.1 | 5600 |
| 15 | TAILS-6-B:MAGS 2 | 6.6 | 11.9 | 85.0 | 3.7 | 0.23 | 0.4 | 0.50 | X | 0.3 | 8200 |
| 16 | TAILS-6-C:MAGS 1 | 13.5 | 15.8 | 73.0 | 4.0 | 0.22 | 1.3 | 1.00 | X | 0.3 | 6900 |
| 17 | TAILS-6-D:HI MAGS | 7.8 | 37.6 | 73.0 | 2.4 | 0.10 | 0.7 | 1.40 | X | 0.2 | 7500 |
| 18 | TAILS-B26-A:NON MAGS | 24.0 | 18.2 | 68.0 | 3.1 | 0.13 | 2.9 | 0.40 | 0.1 | 0.2 | 6300 |
| 19 | TAILS-B26-B:MIDS | 36.0 | 3.2 | 78.0 | 3.6 | 0.02 | 4.3 | 0.30 | 0.1 | 0.3 | 6100 |
| 20 | TAILS-B26-C:MAGS 2 | 45.0 | 2.3 | 64.0 | 4.7 | 0.24 | 5.6 | 0.30 | 0.1 | 0.5 | 4900 |
| 21 | TAILS-B26-D:MAGS 1 | 42.0 | 2.5 | 63.0 | 3.5 | X | 4.5 | 0.40 | 0.1 | 0.4 | 5300 |
| 22 | TAILS-B26-E:HI MAGS | 6.6 | 2.6 | 101.0 | 2.0 | X | 0.5 | 0.40 | 0.1 | 0.1 | 1.10% |
| 23 | Ch. 0001 (TAILS-2-A:MIDS) | 15.5 | 9.4 | 75.0 | 5.7 | 0.15 | 1.3 | 0.50 | 0.3 | 0.1 | 6800 |
| 24 | STD 1:BCS308 | 43.0 | 5.2 | 18.7 | 20.4 | 0.61 | 18.5 | 0.20 | 0.3 | 0.1 | 2000 |
| 25 | STD 2:JAL870-1 | 50.0 | 3.6 | 21.4 | 13.2 | 0.12 | 15.9 | 0.20 | 0.2 | 0.2 | 2100 |

845323

| ELEMENTS METHOD | Cr2O3 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL | P TOTAL |
|----------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|------------|
| 26 STD 3: CHROMITE-1 | 46.0 | 4.7 | 26.0 | 17.2 | X | 14.9 | 0.20 | 0.1 | 0.5 | 2900 |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

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845324

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GL8 96166

Wilson

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 389 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6055

JOB INFORMATION

JOB CODE : 218.0/872840
 NO. SAMPLES : 18
 ELEMENTS : 9
 CLIENT O/N : NOTE
 DATE RECEIVED : 12/08/87
 DATE COMPLETED : 24/08/87

LEGEND

X = LESS THAN DETECTION LIMIT
 N/L = SAMPLE NOT RECEIVED
 * = RESULTS CHECKED
 () = RESULTS STILL TO COME
 I/S = INSUFFICIENT SAMPLE FOR ANALYSIS

504

COMMENTS : ATTENTION : N. PERRIGNON....
 COMMENTS : PULP....

SAMPLE INFORMATION

| ELEMENTS | Cr2O3 | SiO2 | Fe2O3 | Al2O3 | CaO | MgO | TiO2 | V2O5 | MnO |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | |
| 1 24-A NON MAGS | 40.0 | 12.0 | 34.0 | 3.2 | 0.3 | 3.2 | 0.05 | 2.0 | 0.43 |
| 2 24-B MIDS | 50.0 | 1.9 | 33.0 | 3.5 | 0.4 | 6.4 | 0.05 | 2.1 | 0.37 |
| 3 24-C MAGS 2 | 52.0 | 0.6 | 32.0 | 3.5 | 0.3 | 6.4 | 0.05 | 2.2 | 0.39 |
| 4 24-D MAGS 1 | 50.0 | 0.6 | 32.0 | 3.6 | 0.1 | 6.2 | 0.05 | 2.2 | 0.40 |
| 5 24-E HI MAGS | 49.0 | 2.9 | 35.0 | 3.4 | X | 5.4 | 0.05 | 2.1 | 0.49 |
| ----- | | | | | | | | | |
| 6 30-A NON MAGS | 40.0 | 9.0 | 36.0 | 3.6 | X | 5.2 | 0.10 | 1.7 | 0.23 |
| 7 30-B MAGS2 | 45.0 | 0.9 | 30.0 | 3.6 | X | 5.8 | 0.05 | 1.6 | 0.26 |
| 8 30-C MAGS1 | 48.0 | 1.3 | 32.0 | 3.7 | X | 6.0 | 0.05 | 1.9 | 0.28 |
| 9 30-D HI MAGS | 7.2 | X | 86.0 | 0.9 | X | 1.4 | X | 0.6 | 0.18 |
| 10 B4-A NON MAGS | 4.1 | 21.0 | 68.0 | 1.5 | X | 0.4 | 0.10 | 0.9 | 0.25 |
| ----- | | | | | | | | | |
| 11 B4-B MIDS | 4.1 | 3.6 | 78.0 | 1.5 | X | 0.3 | 0.10 | 0.8 | 0.28 |
| 12 B4-C MAGS 2 | 6.0 | 0.6 | 78.0 | 1.9 | X | 0.6 | 0.10 | 0.9 | 0.30 |
| 13 B4-D MAGS 1 | 7.8 | 0.9 | 70.0 | 2.1 | 0.1 | 1.1 | 0.10 | 1.0 | 0.33 |
| 14 B4-E HI MAGS | 6.4 | 1.4 | 80.0 | 1.5 | X | 15.5 | 0.10 | 0.8 | 0.32 |
| 15 CR.0001 (24-A NON MAGS) | 39.0 | 13.0 | 33.0 | 2.2 | 0.2 | 2.7 | 0.05 | 1.7 | 0.29 |
| ----- | | | | | | | | | |
| 16 STD 1:BCS308 | 26.5 | 2.9 | 20.0 | 7.8 | 0.4 | 5.0 | 0.15 | 3.9 | 0.21 |
| 17 STD 2:JAL870-1 | 40.0 | 6.8 | 17.0 | 12.0 | 0.3 | 17.5 | 0.05 | 4.6 | 0.17 |
| 18 STD 3:CHROMITE-1 | 45.0 | 3.4 | 24.0 | 17.0 | 0.2 | 14.0 | 0.15 | 0.5 | 0.60 |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

845323

GENALYSIS LABORATORY SERVICES PTY. LTD.

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

925

JOB INFORMATION

JOB CODE : 210.0/872468
 NO. SAMPLES : 25
 ELEMENTS : 9
 CLIENT O/N :
 DATE RECEIVED : 17/07/87
 DATE COMPLETED : 18/08/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N. PERRIGNON....
 COMMENTS : PULP....

SAMPLE INFORMATION

| ELEMENTS | Cr2O3 | Fe2O3 | Al2O3 | CaO | MgO | SiO2 | TiO2 | MnO | V2O5 |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.01 | 0.1 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | |
| 1 08:HI MAGS | 0.9 | 92.0 | 0.9 | 0.1 | 0.5 | 1.9 | X | 0.12 | X |
| 2 08:MAGS 1 | 60.0 | 29.0 | 4.6 | 0.2 | 6.2 | 1.9 | 0.05 | 0.25 | 0.4 |
| 3 08:MAGS 2 | 62.0 | 30.0 | 4.4 | X | 6.8 | 1.4 | 0.05 | 0.25 | 0.4 |
| 4 08:MIDS | 30.0 | 54.0 | 3.4 | X | 3.6 | 6.0 | 0.15 | 0.16 | 0.4 |
| 5 08:NON MAGS | 56.0 | 28.0 | 4.3 | 0.1 | 6.0 | 10.4 | 0.05 | 0.25 | 0.5 |
| 6 19:HI MAGS | 17.0 | 72.0 | 2.4 | X | 2.5 | 0.6 | 0.05 | 1.75 | 0.1 |
| 7 19:MAGS 1 | 28.0 | 56.0 | 3.7 | X | 2.8 | 1.0 | 5.00 | 2.40 | 0.2 |
| 8 19:MAGS 2 | 24.0 | 60.0 | 3.6 | 0.1 | 2.4 | 1.7 | 0.05 | 0.76 | 0.2 |
| 9 19:NON MAGS | 12.0 | 64.0 | 2.9 | 0.1 | 1.1 | 15.5 | 0.15 | 0.27 | 0.2 |
| 10 21:HI MAGS | 50.0 | 40.0 | 4.0 | X | 6.4 | 1.2 | 0.05 | 0.30 | 0.3 |
| 11 21:MAGS 1 | 62.0 | 28.0 | 4.1 | 0.2 | 7.2 | 1.6 | 0.05 | 0.34 | 0.3 |
| 12 21:MAGS 2 | 52.0 | 35.0 | 4.1 | X | 6.2 | 1.1 | 0.05 | 0.28 | 0.2 |
| 13 21:NON MAGS | 20.0 | 56.0 | 2.5 | X | 4.4 | 18.0 | 0.10 | 0.18 | 0.1 |
| 14 23:HI MAGS | 5.2 | 86.0 | 2.3 | X | 0.4 | 1.6 | 0.15 | 0.13 | 0.2 |
| 15 23:MAGS 1 | 39.0 | 50.0 | 4.2 | X | 3.7 | 1.0 | 0.10 | 0.38 | 0.2 |
| 16 23:MAGS 2 | 25.0 | 68.0 | 3.7 | X | 2.5 | 1.3 | 0.15 | 0.25 | 0.2 |
| 17 23:NON MAGS | 6.4 | 70.0 | 2.2 | 0.1 | 0.5 | 14.0 | 0.20 | 0.10 | 0.2 |
| 18 29:HI MAGS | 8.2 | 88.0 | 2.0 | 0.1 | 0.8 | 0.6 | 0.10 | 0.13 | 0.1 |
| 19 29:MAGS 1 | 42.0 | 47.0 | 3.9 | 0.1 | 4.2 | 1.3 | 0.10 | 0.22 | 0.3 |
| 20 29:MAGS 2 | 19.0 | 70.0 | 3.1 | 0.3 | 1.9 | 1.1 | 0.10 | 0.15 | 0.2 |
| 21 29:NON MAGS | 4.8 | 62.0 | 2.0 | X | 0.6 | 15.5 | 0.20 | 0.09 | 0.2 |
| 22 Ch.0001(08:HI MAGS | 1.3 | 98.0 | 0.8 | 0.2 | 0.7 | 0.7 | X | 0.13 | X |
| 23 STD 1:BCS308 | 43.0 | 19.0 | 20.0 | 0.3 | 17.5 | 5.6 | 0.05 | 0.20 | 0.9 |
| 24 STD 2:JAL870-1 | 50.0 | 21.0 | 13.0 | 0.1 | 16.0 | 3.4 | 0.10 | 0.24 | 0.8 |
| 25 STD 3-CHROMITE 1 | 45.0 | 24.0 | 17.0 | X | 14.0 | 3.4 | 0.15 | 0.60 | 0.4 |

845326

GENALYSIS LABORATORY SERVICES PTY. LTD.

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 BOSNELL WA 6110
TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 5657

326

JOB INFORMATION

JOB CODE : 218.0/872803
NO. SAMPLES : 20
ELEMENTS : 9
CLIENT O/N : NOTE
DATE RECEIVED : 10/08/87
DATE COMPLETED : 21/08/87

LEGEND

(X) = LESS THAN DETECTION LIMIT
(N/Z) = SAMPLE NOT RECEIVED
(*) = RESULTS CHECKED
() = RESULTS STILL TO COME
(1/S) = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N. FERRIGNON , ...AMMENDED REPORT.....
COMMENTS : PULPS....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | Si02 | Fe203 | Al203 | CaO | MgO | Ti02 | V205 | MnO |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | ppm | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 |
| METHOD | TOTAL |

SAMPLE NUMBERS

| | | | | | | | | | | |
|----|-----------------------|------|------|------|------|-----|------|------|-----|------|
| 1 | 15A:NON MAGS | 5.2 | 7.6 | 74.0 | 2.2 | 0.2 | 0.5 | 0.20 | 1.1 | 0.11 |
| 2 | 15B:MAGS 2 | 20.5 | 1.4 | 62.0 | 2.8 | 0.2 | 2.1 | 0.15 | 1.3 | 0.16 |
| 3 | 15C:MAGS 1 | 33.0 | 1.3 | 50.0 | 3.2 | 0.2 | 3.5 | 0.10 | 1.4 | 0.22 |
| 4 | 15D:HI MAGS | 31.0 | 1.3 | 54.0 | 2.8 | 0.2 | 3.1 | 0.10 | 1.4 | 0.21 |
| 5 | 17A:NON MAGS | 13.5 | 5.8 | 70.0 | 2.7 | 0.1 | 1.3 | 0.15 | 0.9 | 0.18 |
| 6 | 17B:MAGS 2 | 28.5 | 1.6 | 52.0 | 2.9 | 0.1 | 3.1 | 0.10 | 1.2 | 0.22 |
| 7 | 17C:MAGS 1 | 38.0 | 1.7 | 44.0 | 3.1 | 0.2 | 4.1 | 0.10 | 1.4 | 0.24 |
| 8 | 17D:HI MAGS | 34.0 | 2.0 | 48.0 | 3.2 | 0.2 | 3.7 | 0.05 | 1.3 | 0.26 |
| 9 | 20A:NON MAGS | 3.9 | 9.8 | 72.0 | 2.0 | 0.1 | 0.1 | 0.15 | 0.9 | 0.14 |
| 10 | 20B:MAGS 2 | 10.0 | 2.2 | 70.0 | 2.7 | 0.1 | 0.7 | 0.10 | 0.9 | 0.19 |
| 11 | 20C:MAGS 1 | 15.5 | 2.0 | 66.0 | 2.9 | 0.2 | 1.3 | 0.10 | 1.1 | 0.23 |
| 12 | 20D:HI MAGS | 6.8 | 1.9 | 78.0 | 2.1 | 0.2 | 0.5 | 0.10 | 0.9 | 0.23 |
| 13 | B30A:NON MAGS | 20.0 | 35.0 | 37.0 | 3.4 | 0.2 | 2.3 | 0.05 | 0.8 | 0.14 |
| 14 | B30B:MAGS 2 | 44.0 | 3.2 | 29.0 | 4.6 | 0.2 | 4.8 | 0.05 | 1.4 | 0.27 |
| 15 | B30C:MAGS 1 | 52.0 | 1.9 | 31.0 | 4.5 | X | 5.8 | X | 1.4 | 0.33 |
| 16 | B30D:HI MAGS | 2.5 | 0.4 | 86.0 | 0.8 | 0.3 | 0.5 | X | X | 0.18 |
| 17 | CH.0001(15A:NON MAGS) | 5.0 | 8.2 | 72.0 | 1.9 | 0.2 | 0.4 | 0.20 | 0.1 | 0.10 |
| 18 | STD 1:BCS308 | 44.0 | 5.2 | 22.0 | 21.0 | 0.3 | 17.5 | 0.05 | 0.8 | 0.19 |
| 19 | STD 2:JAL870-1 | 50.0 | 3.5 | 20.0 | 9.6 | 0.3 | 15.5 | 0.10 | 3.7 | 0.39 |
| 20 | STD 3:CHROMITE-1 | 43.0 | 2.5 | 22.0 | 13.5 | X | 13.0 | 0.15 | 3.0 | 0.56 |

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24 AUG 1987
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PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 GOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

JOB INFORMATION

JOB CODE : 218.0/872693
 NO. SAMPLES : 24
 ELEMENTS : 9
 CLIENT O/N : FAX
 DATE RECEIVED : 03/08/87
 DATE COMPLETED : 19/08/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N.PERRIGNON ,
 COMMENTS : PULPS....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | SiO2 | Fe203 | Al203 | CaO | MgO | TiO2 | V2O5 | MnO |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | |
| 1 04-HI MAGS | 7.4 | 0.9 | 54.0 | 2.1 | 0.1 | 0.3 | 0.10 | 0.5 | 0.35 |
| 2 04-MAGS 1 | 15.5 | 1.2 | 70.0 | 3.1 | 0.1 | 1.2 | 0.10 | 0.6 | 0.37 |
| 3 04-MAGS 2 | 11.8 | 0.9 | 72.0 | 2.9 | X | 0.7 | 0.10 | 0.5 | 0.35 |
| 4 04-NON MAGS | 7.2 | 1.9 | 80.0 | 2.2 | X | 0.3 | 0.10 | 0.5 | 0.32 |
| 5 12-HI MAGS | 27.5 | 1.1 | 54.0 | 3.7 | 0.1 | 2.7 | 0.10 | 0.8 | 0.23 |
| 6 12-MAGS 1 | 29.5 | 1.2 | 52.0 | 3.7 | 0.1 | 3.1 | 0.10 | 0.9 | 0.22 |
| 7 12-MAGS 2 | 23.5 | 1.2 | 54.0 | 3.0 | X | 2.6 | 0.10 | 0.7 | 0.20 |
| 8 12-NON MAGS | 13.5 | 16.0 | 62.0 | 2.0 | 0.1 | 1.1 | 0.15 | 0.6 | 0.12 |
| 9 13-HI MAGS | 22.0 | 2.2 | 62.0 | 5.4 | 0.2 | 2.4 | 0.15 | 0.8 | 0.35 |
| 10 13-MAGS 1 | 18.5 | 1.8 | 66.0 | 3.5 | X | 1.6 | 0.10 | 0.7 | 0.33 |
| 11 13-MAGS 2 | 11.8 | 1.3 | 72.0 | 2.8 | 1.0 | 0.8 | 0.15 | 0.7 | 0.27 |
| 12 13-NON MAGS | 4.2 | 12.0 | 74.0 | 2.1 | 0.1 | 0.1 | 0.15 | 0.6 | 0.19 |
| 13 14-HI MAGS | 13.0 | 0.7 | 72.0 | 2.0 | X | 1.1 | 0.20 | 0.6 | 0.35 |
| 14 14-MAGS 1 | 18.0 | 0.9 | 64.0 | 2.6 | X | 1.5 | 0.05 | 0.8 | 0.43 |
| 15 14-MAGS 2 | 10.2 | 1.5 | 72.0 | 2.6 | X | 0.8 | 0.70 | 0.7 | 0.32 |
| 16 14-NON MAGS | 3.1 | 13.5 | 80.0 | 1.6 | X | 0.1 | 0.10 | 0.8 | 0.19 |
| 17 31-HI MAGS | 1.8 | 0.7 | 92.0 | 0.7 | X | 0.5 | X | 0.2 | 0.12 |
| 18 31-MAGS 1 | 52.0 | 1.6 | 21.0 | 4.3 | X | 7.4 | 0.05 | 1.9 | 0.34 |
| 19 31-MAGS 2 | 60.0 | 0.2 | 20.0 | 3.7 | X | 7.6 | 0.05 | 2.0 | 0.31 |
| 20 31-NON MAGS | 45.0 | 2.3 | 20.0 | 4.0 | X | 7.2 | 0.05 | 1.8 | 0.27 |
| 21 Ch.0001(04-HI MAGS | 6.2 | 0.6 | 52.0 | 2.1 | X | 0.3 | 0.10 | 0.5 | 0.35 |
| 22 STD 1:BCS308 | 41.0 | 4.0 | 17.5 | 20.5 | 0.3 | 16.5 | 0.05 | 3.7 | 0.19 |
| 23 STD 2:JAL870-1 | 47.0 | 3.8 | 20.0 | 12.5 | 0.2 | 16.0 | 0.10 | 3.7 | 0.24 |
| 24 STD 3:CHROMITE-1 | 45.0 | 3.4 | 24.0 | 17.0 | X | 14.0 | 0.15 | 0.4 | 0.60 |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

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845328

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 GOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX GLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUBAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

JOB INFORMATION

JOB CODE : 218.0/872547
 NO. SAMPLES : 24
 ELEMENTS : 9
 CLIENT D/N : FAX
 DATE RECEIVED : 22/07/87
 DATE COMPLETED : 21/08/87

LEGEND

(X) = LESS THAN DETECTION LIMIT
 (N/L) = SAMPLE NOT RECEIVED
 (*) = RESULTS CHECKED
 () = RESULTS STILL TO COME
 (I/S) = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N.FERRIGNON...AMENDED REPORT.....
 COMMENTS : PULP....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | Fe203 | Al203 | CaO | MgO | V2O5 | SiO2 | TiO2 | MnO |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.01 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | |
| 1 02-HI MAGS | 24.0 | 68.0 | 4.3 | 0.6 | 2.0 | 0.1 | 3.0 | 0.15 | 0.20 |
| 2 02-MAGS 1 | 43.0 | 43.0 | 3.8 | 0.5 | 4.5 | 0.1 | 1.6 | 0.10 | 0.26 |
| 3 02-MAGS 2 | 47.0 | 45.0 | 4.6 | 0.5 | 4.9 | 0.1 | 1.8 | 0.10 | 0.28 |
| 4 02-NON MAGS | 5.6 | 88.0 | 1.4 | 0.3 | 0.9 | 0.1 | 0.6 | 0.05 | 0.22 |
| 5 03-HI MAGS | 15.5 | 72.0 | 4.4 | 0.3 | 1.4 | 0.2 | 4.5 | 0.15 | 0.17 |
| 6 03-MAGS 1 | 38.0 | 50.0 | 5.6 | 0.4 | 4.1 | 0.2 | 2.1 | 0.10 | 0.32 |
| 7 03-MAGS 2 | 49.0 | 39.0 | 4.5 | 0.4 | 5.2 | 0.1 | 1.4 | 0.05 | 0.41 |
| 8 03-NON MAGS | 5.2 | 80.0 | 2.2 | X | 0.5 | 0.1 | 1.7 | 0.10 | 0.13 |
| 9 16-HI MAGS | 35.0 | 46.0 | 3.2 | 0.2 | 3.5 | 0.2 | 1.7 | 0.05 | 0.37 |
| 10 16-MAGS 1 | 33.0 | 49.0 | 3.5 | X | 3.4 | 0.2 | 1.0 | X | 0.43 |
| 11 16-MAGS 2 | 29.0 | 50.0 | 3.7 | X | 3.2 | 0.2 | 1.6 | 0.05 | 0.42 |
| 12 16-NON MAGS | 27.3 | 62.0 | 2.9 | X | 2.3 | 0.2 | 1.4 | X | 0.39 |
| 13 27-HI MAGS | 26.5 | 52.0 | 3.8 | X | 3.4 | 0.2 | 14.5 | 0.15 | 0.16 |
| 14 27-MAGS 1 | 48.0 | 34.0 | 5.0 | 0.2 | 6.6 | 0.2 | 1.7 | 0.05 | 0.26 |
| 15 27-MAGS 2 | 56.0 | 29.0 | 5.4 | 0.2 | 7.2 | 0.2 | 2.4 | 0.05 | 0.28 |
| 16 27-NON MAGS | 4.7 | 90.0 | 1.1 | 0.4 | 0.9 | 0.2 | 1.6 | X | 0.15 |
| 17 28-HI MAGS | 34.0 | 43.0 | 3.8 | 0.1 | 4.2 | 0.1 | 17.0 | 0.10 | 0.17 |
| 18 28-MAGS 1 | 54.0 | 30.0 | 4.8 | 0.2 | 6.8 | 0.5 | 1.9 | 0.05 | 0.24 |
| 19 28-MAGS 2 | 54.0 | 29.0 | 4.9 | 0.2 | 6.6 | 0.4 | 3.1 | 0.05 | 0.26 |
| 20 28-NON MAGS | 3.0 | 92.0 | 1.0 | 0.2 | 0.2 | 0.3 | 1.3 | 0.05 | 0.14 |
| 21 Ch.0001(02-HI MAGS | 22.5 | 68.0 | 3.6 | 0.7 | 2.3 | 0.3 | 2.2 | 0.20 | 0.16 |
| 22 STD 1:BCS308 | 40.0 | 16.5 | 20.5 | 0.3 | 16.5 | 0.6 | 4.1 | 0.05 | 0.18 |
| 23 STD 2:JAL870-1 | 50.0 | 21.5 | 13.0 | 0.2 | 16.2 | 0.7 | 3.2 | 0.10 | 0.25 |
| 24 STD 3:CHROMITE-1 | 45.0 | 24.0 | 17.0 | X | 14.0 | 0.4 | 3.4 | 0.15 | 0.60 |

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24 AUG 1987

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/ TON + 1/4% UNTIL YOUR OFFICE RECEIVES ADVICE REGARDING COLLECTION OR DISPOSAL OF REJECTS.

LABORATORY REPORT

2 DAVISON ST. MADDINGTON, W.A. 6109. P.O. BOX 144 GOSNELLS W.A. 6110
 TELEPHONE (09) 459 2272, 459 4343. TELEX BLS 96166

KALGOORLIE SAMPLE PREPARATION DIVISION 241 DUGAN ST. KALGOORLIE W.A. 6430
 P.O. BOX 388 KALGOORLIE W.A. 6430 TELEPHONE (090) 21 6057

JOB INFORMATION

JOB CODE : 218.0/072417
 NO. SAMPLES : 53
 ELEMENTS : 9
 CLIENT O/N : FAX
 DATE RECEIVED : 14/07/87
 DATE COMPLETED : 05/08/87

LEGEND

'X' = LESS THAN DETECTION LIMIT
 'N/L' = SAMPLE NOT RECEIVED
 '*' = RESULTS CHECKED
 '()' = RESULTS STILL TO COME
 'I/S' = INSUFFICIENT SAMPLE FOR ANALYSIS

COMMENTS : ATTENTION : N. PERRIGNON....
 COMMENTS : PULP....

SAMPLE INFORMATION

| ELEMENTS | Cr203 | SiO2 | Fe203 | Al203 | CaO | MgO | TiO2 | V2O5 | MnO |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNITS | % | % | % | % | % | % | % | % | % |
| DETECTION | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 |
| METHOD | TOTAL |
| SAMPLE NUMBERS | | | | | | | | | |
| 1 05-HI MAGS | 7.4 | 0.9 | 94.0 | 2.4 | 0.4 | 0.9 | 0.05 | X | 0.22 |
| 2 05-MAGS 1 | 26.5 | 0.4 | 78.0 | 2.7 | 0.4 | 2.5 | 0.05 | X | 0.37 |
| 3 05-MAGS 2 | 32.0 | 0.4 | 64.0 | 3.1 | 0.1 | 2.9 | 0.10 | X | 0.29 |
| 4 05-MIDS | 11.0 | 0.8 | 88.0 | 2.4 | 0.1 | 0.7 | 0.15 | X | 0.18 |
| 5 06-HI MAGS | 11.8 | 3.8 | 72.0 | 2.5 | X | 0.7 | 0.15 | 0.1 | 0.19 |
| 6 06-MAGS 1 | 22.5 | 1.1 | 62.0 | 3.7 | X | 1.7 | 0.15 | 0.1 | 0.28 |
| 7 06-MAGS 2 | 16.0 | 1.2 | 70.0 | 3.1 | X | 1.0 | 0.15 | 0.1 | 0.26 |
| 8 06-MIDS | 5.8 | 8.8 | 76.0 | 2.3 | X | 0.1 | 0.20 | 0.1 | 0.22 |
| 9 06-NON MAGS | 8.4 | 19.5 | 60.0 | 2.1 | X | 0.8 | 0.15 | X | 0.19 |
| 10 07-HI MAGS | 24.5 | 12.5 | 52.0 | 4.3 | 0.1 | 2.3 | 0.20 | 0.1 | 0.15 |
| 11 07-MAGS 1 | 36.0 | 2.5 | 50.0 | 5.8 | 0.4 | 3.2 | 0.15 | 0.1 | 0.17 |
| 12 07-MAGS 2 | 30.0 | 4.0 | 49.0 | 5.6 | 0.5 | 3.1 | 0.15 | 0.1 | 0.17 |
| 13 07-MAGS 3 | 27.0 | 2.6 | 54.0 | 6.0 | 0.1 | 2.7 | 0.15 | X | 0.16 |
| 14 07-MIDS | 24.0 | 3.1 | 60.0 | 6.4 | 0.2 | 2.4 | 0.15 | 0.1 | 0.15 |
| 15 07-NON MAGS | 18.5 | 14.5 | 56.0 | 5.4 | 0.2 | 2.0 | 0.20 | 0.1 | 0.12 |
| 16 09-HI MAGS | 1.4 | 0.1 | 94.0 | 0.9 | 0.3 | 0.6 | X | 0.1 | 0.12 |
| 17 09-MAGS 1 | 54.0 | 2.4 | 37.0 | 5.4 | 0.2 | 6.8 | 0.05 | 0.1 | 0.27 |
| 18 09-MAGS 2 | 60.0 | 2.3 | 34.0 | 5.2 | 0.2 | 7.4 | 0.05 | 0.1 | 0.26 |
| 19 09-MIDS | 54.0 | 2.3 | 34.0 | 5.4 | 0.1 | 6.8 | 0.05 | 0.1 | 0.23 |
| 20 09-NON MAGS | 33.0 | 32.0 | 37.0 | 4.2 | 0.1 | 4.4 | 0.10 | X | 0.13 |
| 21 10-HI MAGS | 8.8 | 2.0 | 76.0 | 2.8 | 0.5 | 0.7 | 0.10 | X | 0.39 |
| 22 10-MAGS 1 | 12.0 | 1.3 | 76.0 | 3.5 | 0.4 | 0.8 | 0.05 | X | 0.52 |
| 23 10-MAGS 2 | 10.2 | 2.1 | 78.0 | 3.3 | 0.5 | 0.6 | 0.10 | X | 0.39 |
| 24 10-MIDS | 6.8 | 7.8 | 82.0 | 2.8 | 0.3 | 0.3 | 0.10 | X | 0.25 |
| 25 10-NON MAGS | 1.8 | 70.0 | 19.0 | 0.7 | X | 0.1 | 0.05 | 0.1 | 0.05 |

3209

845330

| ELEMENTS METHOD | Cr2O3 TOTAL | SiO2 TOTAL | Fe2O3 TOTAL | Al2O3 TOTAL | CaO TOTAL | MgO TOTAL | TiO2 TOTAL | V2O5 TOTAL | MnO TOTAL |
|-------------------------|----------------|---------------|----------------|----------------|--------------|--------------|---------------|---------------|--------------|
| 26 11-HI MAGS | 32.0 | 21.0 | 42.0 | 4.1 | 0.2 | 3.2 | 0.15 | 0.1 | 0.39 |
| 27 11-MAGS 1 | 46.0 | 5.6 | 41.0 | 4.4 | 0.3 | 4.9 | 0.05 | 0.1 | 0.41 |
| 28 11-MAGS 2 | 45.0 | 2.5 | 42.0 | 4.4 | X | 5.2 | 0.05 | 0.1 | 0.37 |
| 29 11-MIDS | 42.0 | 2.8 | 42.0 | 4.6 | 0.1 | 4.9 | 0.05 | 0.1 | 0.36 |
| 30 11-NON MAGS | 21.5 | 37.0 | 34.0 | 3.4 | 0.1 | 3.0 | 0.10 | 0.1 | 0.18 |
| 31 18-HI MAGS | 7.8 | 0.7 | 82.0 | 1.4 | 0.4 | 0.9 | X | 0.1 | 0.21 |
| 32 18-MAGS 1 | 16.0 | 0.7 | 72.0 | 2.7 | 0.3 | 1.6 | X | 0.1 | 0.28 |
| 33 18-MAGS 2 | 20.0 | 1.0 | 66.0 | 3.2 | 0.4 | 1.9 | 0.05 | 0.1 | 0.31 |
| 34 18-MIDS | 20.5 | 1.2 | 66.0 | 3.3 | 0.4 | 1.9 | 0.05 | 0.1 | 0.32 |
| 35 18-NON MAGS | 15.0 | 2.2 | 70.0 | 3.0 | 0.1 | 1.4 | X | 0.1 | 0.26 |
| 36 22-HI MAGS | 28.0 | 3.6 | 60.0 | 3.6 | 0.4 | 2.8 | 0.15 | 0.2 | 0.39 |
| 37 22-MAGS 1 | 45.0 | 0.8 | 47.0 | 4.6 | 0.2 | 4.6 | 0.10 | 0.1 | 0.52 |
| 38 22-MAGS 2 | 45.0 | 0.7 | 45.0 | 4.2 | 0.1 | 4.8 | 0.10 | 0.1 | 0.49 |
| 22-MIDS | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 39 22-NON MAGS | 33.0 | 10.0 | 52.0 | 3.3 | X | 3.6 | 0.15 | 0.1 | 0.33 |
| 40 25-HI MAGS | 11.2 | 14.5 | 66.0 | 2.6 | 0.2 | 1.2 | 0.40 | 0.1 | 0.22 |
| 41 25-MAGS 1 | 46.0 | 1.4 | 40.0 | 4.4 | 0.3 | 5.6 | 0.10 | 0.1 | 0.40 |
| 42 25-MAGS 2 | 42.0 | 2.9 | 44.0 | 4.6 | 0.2 | 5.2 | 0.10 | 0.1 | 0.34 |
| 43 25-MIDS | 23.0 | 34.0 | 35.0 | 3.1 | 0.1 | 2.9 | 0.10 | 0.1 | 0.18 |
| 44 25-NON MAGS | 38.0 | 4.1 | 46.0 | 3.4 | 0.1 | 4.1 | 0.10 | 0.1 | 0.38 |
| 45 26-HI MAGS | 22.0 | 17.5 | 50.0 | 2.7 | X | 2.1 | 0.25 | X | 0.26 |
| 46 26-MAGS 1 | 38.0 | 3.7 | 47.0 | 3.7 | 0.1 | 4.0 | 0.10 | 0.1 | 0.36 |
| 47 26-MAGS 2 | 32.0 | 2.2 | 52.0 | 2.9 | 0.1 | 3.5 | 0.15 | X | 0.32 |
| 26-MIDS | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L | N/L |
| 48 26-NON MAGS | 4.1 | 68.0 | 13.0 | 0.6 | X | 0.4 | 0.10 | X | 0.05 |
| 49 Ch.0001(05-HI MAGS) | 5.8 | 0.5 | 86.0 | 1.4 | X | 0.6 | 0.05 | X | 0.24 |
| 50 Ch.0026(11-HI MAGS) | 32.0 | 16.5 | 41.0 | 4.5 | X | 3.0 | 0.15 | X | 0.41 |
| 51 STD 1:BCS 308 | 41.0 | 4.3 | 17.0 | 20.0 | 0.3 | 16.5 | 0.05 | 0.2 | 0.18 |
| 52 STD 2:JAL 870-1 | 49.0 | 3.0 | 21.0 | 12.5 | 0.1 | 15.0 | 0.10 | 0.1 | 0.24 |
| 53 STD 3:CHROMITE-1 | 45.0 | 3.9 | 25.5 | 17.0 | 0.1 | 13.0 | 0.15 | 0.1 | 0.56 |

PLEASE NOTE: COARSE REJECTS AND PULPS WILL BE STORED FOR 60 DAYS WITHOUT CHARGE. AFTER THIS PERIOD ALL COARSE REJECTS AND PULPS WILL BE STORED AT A RATE OF \$25/cubic metre/month UNTIL YOUR ADVICE REGARDING COLLECTION OR DISPOSAL IS RECEIVED.

330

845331

APPENDIX 11

Precious metal and P.G.E. analysis result



332

Willem Road

Reference Number 34837

13 OCT., 1987

Callina N.L.

100 Mill Point Rd

SOUTH PERTH WA 6151

Analysis of Mineral Samples

T.K. Chan

Authorised By : T.K.Chan

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569

AS

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REFERENCE NUMBER 34837

Page 1

| ***** | | | | | | | |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SAMPLE NUMBER | Au ppb | Pt ppb | Pd ppb | Ru ppb | Rh ppb | Ir ppb | Os ppb |
| ***** | | | | | | | |
| 26 38156 T/CON | 90 | 120 | 4.0 | 210 | 21 | 1.0m | 770 |
| 10 38159 T/CON | 930 | 790 | 7.0 | 240 | 31 | 130 | 250 |
| 23 38184 T/CON | 6 | 11 | 2.5 | 83 | 5.5 | 120 | 110 |
| 28 38196 T/CON | 52 | 130 | 4.0 | 160 | 13 | 580 | 610 |
| 3 38205 T/CON | 6 | 150 | 3.0 | 460 | 18 | 2.6m | 2.9m |
| 4 38211 T/CON | < 2 | 9.5 | 2.0 | 57 | 5.5 | 59 | 74 |
| 26 38156 T/CON -250 MICRON | 52 | 7.0 | 6.5 | 79 | 5.0 | 210 | 240 |
| 10 38159 T/CON -250 MICRON | 1.8m | 24 | 5.5 | 69 | 6.0 | 180 | 84 |
| 23 38184 T/CON -250 MICRON | 40 | 34 | 12 | 320 | 11 | 940 | 810 |
| 28 38196 T/CON -250 MICRON | 24 | 27 | 5.0 | 130 | 10 | 330 | 450 |
| 3 38205 T/CON -250 MICRON | 64 | 730 | 6.5 | 470 | 52 | 2.0m | 1.1m |
| 4 38211 T/CON -250 MICRON | 180 | 53 | 16 | 220 | 13 | 700 | 840 |



334

REFERENCE NUMBER 34837

PAGE 2

Sample Preparation

Sample preparation as instructed on submission form .

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

Au Pt Pd Ru Rh Ir Os

) have been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for
ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

845336

AS

ANALYTICAL SERVICES (W.A.) PTY. LTD.

335

Reference Number 34810

2 OCT., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



Authorised By : T.K.Chan



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REFERENCE NUMBER 34810

Page 1

```

*****
SAMPLE                Ir
NUMBER                ppb
*****
27 TAILS A NON MAG    200
27 TAILS B MAG 2      71
27 TAILS C MAG 1     110
27 TAILS D HI MAG    110
24 TAILS A NON MAG    86
24 TAILS B MAG 2     120
24 TAILS C MAG 1     83
24 TAILS D HI MAG    150
16 TAILS A NON MAG    8.5
16 TAILS B MAG 2     130

16 TAILS C MAG 1     120
16 TAILS D HI MAG     68
20 TAILS A NON MAG    110
20 TAILS B MAG 2      77
20 TAILS C MAG 1     120
20 TAILS D HI MAG    200
30 TAILS A NON MAG    5.0
30 TAILS B MAG 2      96
30 TAILS C MAG 1     140
30 TAILS D HI MAG     53

15 TAILS A NON MAG    78
15 TAILS B MAG 2      92
15 TAILS C MAG 1     210
15 TAILS D HI MAG    290
29 TAILS A NON MAG    53
29 TAILS B MAG 2      68
29 TAILS C MAG 1     94
) TAILS D HI MAG     87
19B A NON MAG         62
19B B MIDS            62

19B C MAG 2           60
19B D MAG 1           37
19B E HI MAG          43
24B A NON MAG         25
24B B MIDS            46
24B C MAG 2           27
24B D MAG 1           31
24B E HI MAG          36
25B A NON MAG         13
25B B MIDS            39

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REFERENCE NUMBER 34810

Page 2

| SAMPLE NUMBER | Ir ppb |
|---------------|-----------|
| 25B C MAG 2 | 320 |
| 25B D MAG 1 | 24 |
| 25B E HI MAG | 66 |
| 23B A NON MAG | 67 |
| 23B B MIDS | 40 |
| 23B C MAG 2 | 55 |
| 23B D MAG 1 | 50 |
| 23B E HI MAG | 43 |



REFERENCE NUMBER 34810

PAGE 3

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.



333

Reference Number 34673

21 SEPT, 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569

Authorised By : T.K.Chan



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REFERENCE NUMBER 34673

Page 1

| SAMPLE NUMBER | Ir ppb |
|---------------|-----------|
|---------------|-----------|

| | |
|----------------|-----|
| 2B A NON MAGS | 19 |
| 2B B MIDS | 32 |
| 2B C MAGS 2 | 28 |
| 2B D MAGS 1 | 28 |
| 2B E HI MAGS | 31 |
| 22B A NON MAGS | 210 |
| 22B B MIDS | 46 |
| 22B C MAGS 2 | 34 |
| 22B D MAGS 1 | 43 |
| 22B E HI MAGS | 40 |

| | |
|----------------|-----|
| 3B A NON MAGS | 110 |
| 3B B MIDS | 27 |
| 3B C MAGS 2 | 120 |
| 3B D MAGS 1 | 37 |
| 3B C HI MAGS | 74 |
| 20B A NON MAGS | 31 |
| 20B B MIDS | 35 |
| 20B C MAGS 2 | 58 |
| 20B D MAGS 1 | 35 |
| 20B E HI MAGS | 53 |

| | |
|----------------|-----|
| 27B A NON MAGS | 37 |
| 27B B MIDS | 27 |
| 27B C MAGS 2 | 25 |
| 27B D MAGS 1 | 12 |
| 27B E HI MAGS | 4.0 |
| 18B A NON MAGS | 10 |
| 18B B MIDS | 24 |
| 18B C MAGS 2 | 34 |
| 18B D MAGS 1 | 34 |
| 18B E HI MAGS | 28 |

| | |
|--------------------|-----|
| 14 TAIL A NON MAGS | 150 |
| 14 TAIL B MIDS | 77 |
| 14 TAIL C MAGS 2 | 86 |
| 14 TAIL D MAGS 1 | 97 |
| 14 TAIL E HI MAGS | 210 |
| 12 TAIL A NON MAGS | 110 |
| 12 TAIL B MIDS | 67 |
| 12 TAIL C MAGS 2 | 72 |
| 12 TAIL D MAGS 1 | 130 |
| 12 TAIL E HI MAGS | 110 |

REFERENCE NUMBER 34673

Page 2

SAMPLE NUMBER Ir ppb

| | |
|--------------------|-----|
| 11 TAIL A NON MAGS | 38 |
| 11 TAIL B MAGS 2 | 140 |
| 11 TAIL C MAGS 1 | 66 |
| 11 TAIL D HI MAGS | 130 |
| 10 TAIL A NON MAGS | 31 |
| 10 TAIL B MAGS 2 | 57 |
| 10 TAIL C MAGS 1 | 25 |
| 10 TAIL D HI MAGS | 110 |
| 13 TAIL A NON MAGS | 100 |
| 13 TAIL B MAGS 2 | 110 |
| 13 TAIL C MAGS 1 | 120 |
| 13 TAIL D HI MAGS | 340 |

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REFERENCE NUMBER 34673

PAGE 3

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for

ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

845344

AS
343
ANALYTICAL SERVICES (W.A.) PTY. LTD.

Reference Number 34630

17 SEPT, 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569

T.K. Chan
Authorised By : T.K.Chan

REFERENCE NUMBER 34630

Page 1

| SAMPLE NUMBER | Ir ppb |
|------------------|-----------|
|------------------|-----------|

| | |
|----------------------|-----|
| TAIL SAMP 4 A NON M | 36 |
| TAIL SAMP 4 B MIDS | 5.0 |
| TAIL SAMP 4 C MAG 2 | 34 |
| TAIL SAMP 4 D MAG 1 | 51 |
| TAIL SAMP 4 E HI MAG | 89 |
| TAIL SAMP 7 A NON M | 16 |
| TAIL SAMP 7 B MIDS | 8.0 |
| TAIL SAMP 7 C MAG 2 | 22 |
| TAIL SAMP 7 D MAG 1 | 84 |
| TAIL SAMP 8 A NON M | 76 |

| | |
|----------------------|----|
| TAIL SAMP 8 B MIDS | 51 |
| TAIL SAMP 8 C MAG 2 | 89 |
| TAIL SAMP 8 D MAG 1 | 94 |
| TAIL SAMP 8 E HI MAG | 43 |
| TAIL SAMP 9 A MIDS | 75 |
| TAIL SAMP 9 B MAG 2 | 67 |
| TAIL SAMP 9 C MAG 1 | 83 |
| SPL B15 A NON M | 44 |
| SPL B15 B MIDS | 46 |
| SPL B15 C MAG 2 | 38 |

| | |
|------------------|-----|
| SPL B15 D MAG 1 | 72 |
| SPL B15 E HI MAG | 10 |
| SPL B21 A NON M | 19 |
| SPL B21 B MIDS | 26 |
| SPL B21 C MAG 2 | 21 |
| SPL B21 D MAG 1 | 39 |
| SPL B21 E HI MAG | 33 |
| SPL B31 A NON M | 260 |
| SPL B31 B MIDS | 78 |
| SPL B31 C MAG 2 | 48 |

| | |
|------------------|-----|
| SPL B31 D MAG 1 | 15 |
| SPL B31 E HI MAG | < 5 |

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REFERENCE NUMBER 34630

PAGE 2

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

845347

AS

ANALYTICAL SERVICES (W.A.) PTY. LTD.

346

Reference Number 34500

1 SEPT, 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples



Authorised By : T.K.Chan

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



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REFERENCE NUMBER 34500

Page 1

```

*****
SAMPLE NUMBER Ir ppb
*****
TAILS 2 A MIDS 51
TAILS 2 B MAGS 2 42
TAILS 2 C MAGS 1 110
TAILS 2 D HI MAGS 59
TAILS 3 A NON MAG 130
TAILS 3 B MID 220
TAILS 3 C MAG 1 74
TAILS 3 D HI MAGS 200
TAILS 5 A NON MAG 16
TAILS 5 B MIDS 100

TAILS 5 C MAGS 2 20
TAILS 5 D MAGS 1 9.0
TAILS 5 E HI MAGS 7.5
TAILS 6 A NON+MIDS 110
TAILS 6 B MAGS 2 100
TAILS 6 C MAGS 1 150
TAILS 6 D HI MAGS 320
B 26 A NON MAG 62
B 26 B MIDS 35
B 26 C MAGS 2 37

B 26 D MAGS 1 39
B 26 E HI MAGS 24

```



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REFERENCE NUMBER 34500

PAGE 2

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

845350

AS

ANALYTICAL SERVICES (W.A.) PTY. LTD.

349

Reference Number 34371

19 AUG., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

T.K. Chan

Authorised By : T.K.Chan

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



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REFERENCE NUMBER 34371

Page 1

| SAMPLE NUMBER | Ir ppb |
|---------------------|-----------|
| BK SP 6 A NON MAG | 38 |
| BK SP 6 B MIDS | 45 |
| BK SP 6 C MAG 2 | 44 |
| BK SP 6 D MAG 1 | 38 |
| BK SP 6 E HIGH MAG | 120 |
| BK SP B12 A NON MAG | 38 |
| BK SP B12 B MIDS | 23 |
| BK SP B12 C MAG 2 | 24 |
| BK SP B12 D MAG 1 | 18 |
| SP B12 E HIGH MAG | 38 |



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REFERENCE NUMBER 34371

PAGE 2

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

) Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

845353

AS

ANALYTICAL SERVICES (W.A.) PTY. LTD.

352

Reference Number 34346

19 AUG., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

T.K. Chan

Authorised By : T.K.Chan

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



353

REFERENCE NUMBER 34346

Page 1

SAMPLE
NUMBERIr
ppb

| | |
|---------------------|------|
| BK SP 30 A NON MAG | 100 |
| BK SP 30 B MAG 2 | 27 |
| BK SP 30 C MAG 1 | 36 |
| BK SP 30 D HIGH MAG | 10 |
| BK SP 24 A NON MAG | 2.0m |
| BK SP 24 B MIDS | 85 |
| BK SP 24 C MAG 2 | 49 |
| BK SP 24 D MAG 2A | 33 |
| BK SP 24 E HIGH MAG | 33 |
| X SP B4 A NON MAG | 37 |
| BK SP B4 B MIDS | 38 |
| BK SP B4 C MAG 2 | 23 |
| BK SP B4 D MAG | 33 |
| BK SP B4 E HIGH MAG | 34 |

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REFERENCE NUMBER 34346

PAGE 2

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

) Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.



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REFERENCE NUMBER 34316

Page 1

| SAMPLE NUMBER | Ir ppb |
|---------------|-----------|
|---------------|-----------|

| | |
|----------------------|------|
| BK SP 20 A NON MAG | 5.2m |
| BK SP 20 B MAG 2 | 250 |
| BK SP 20 C MAG 1 | 150 |
| BK SP 20 D HIGH MAG | 64 |
| BK SP 17 A NON MAG | 5.4m |
| BK SP 17 B MAG 2 | 290 |
| BK SP 17 C MAG 1 | 110 |
| BK SP 17 D HIGH MAG | 61 |
| BK SP 15 A NON MAG | 3.1m |
| X SP 15 B MAG 2 | 290 |
| BK SP 15 C MAG 1 | 130 |
| BK SP 15 D HIGH MAG | 84 |
| BK SP B30 A NON MAG | 60 |
| BK SP B30 B MAG 2 | 34 |
| BK SP B30 C MAG 1 | 52 |
| BK SP B30 D HIGH MAG | 15 |



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REFERENCE NUMBER 34316

PAGE 2

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

) Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.



357

Reference Number 34222

25 AUG., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569

Authorised By : T.K.Chan



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REFERENCE NUMBER 34222

Page 1

| SAMPLE NUMBER | Ir ppb |
|---------------|-----------|
|---------------|-----------|

| | |
|---------------|------|
| 4 A NON MAGS | 1.6m |
| 4 B MAGS 2 | 170 |
| 4 C MAGS 1 | 64 |
| 4 D HI MAGS | 61 |
| 31 A NON MAGS | 7.0 |
| 31 B MAGS 2 | 32 |
| 31 C MAGS 1 | 40 |
| 31 D HI MAGS | 4.0 |
| 14 A NON MAGS | 1.9m |
| 14 B MAGS 2 | 500 |
| 14 C MAGS 1 | 75 |
| 14 D HI MAGS | 90 |
| 13 A NON MAGS | 3.0m |
| 13 B MAGS 2 | 140 |
| 13 C MAGS 1 | 70 |
| 13 D HI MAGS | 75 |
| 12 A MON MAGS | 2.3m |
| 12 B MAGS 2 | 130 |
| 12 C MAGS 1 | 130 |
| 12 D HI MAGS | 58 |



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REFERENCE NUMBER 34222

PAGE 2

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

) Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

AS

360

Reference Number 34069

11 AUG., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
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Authorised By : T.K.Chan



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REFERENCE NUMBER 34069

Page 1

SAMPLE
NUMBERIr
ppb

| | |
|-----------|------|
| NO-3 A | 1.9m |
| NO-3 B | 300 |
| NO-3 C | 32 |
| NO-3 D | 50 |
| NO-2 A | 1.3m |
| NO-2 B | 44 |
| NO-2 C | 42 |
| NO-2 D | 24 |
| NO-16 A | 130 |
|) NO-16 B | 26 |
| NO-16 C | 40 |
| NO-16 D | 42 |
| NO-27 A | 720 |
| NO-27 B | 70 |
| NO-27 C | 23 |
| NO-27 D | 12 |
| NO-28 A | 75 |
| NO-28 B | 51 |
| NO-28 C | 76 |
| NO-28 D | 17 |



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REFERENCE NUMBER 34069

PAGE 2

Sample Preparation

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample
SUFFIX A STANDS FOR NON MAGS.
SUFFIX B STANDS FOR MAGS 2 .
SUFFIX C STANDS FOR MAGS 1 .
SUFFIX D STANDS FOR HI MAGS .

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for
ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.



363

Reference Number 33979A

31 JULY, 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Authorised By : T.K.Chan

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



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REFERENCE NUMBER 33979A

Page 1

SAMPLE NUMBER Ir ppb

| | |
|------|------|
| 8 A | 84. |
| 8 B | 1.0 |
| 8 C | 22 |
| 8 D | 17 |
| 8 E | 3.0 |
| 19 A | 2.4m |
| 19 B | 55 |
| 19 C | 48 |
| 19 D | 23 |
| 21 A | 25m |
| 21 B | 50 |
| 21 C | 100 |
| 19 D | 29 |
| 23 A | 8.3m |
| 23 B | 82 |
| 23 C | 65 |
| 23 D | 36 |
| 29 A | 3.6m |
| 29 B | 41 |
| 29 C | 410 |
| 29 D | 27 |



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REFERENCE NUMBER 33979A

PAGE 2

Sample Preparation

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for

ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.



366

Reference Number 33930

21 JULY, 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Authorised By : T.K.Chan

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



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REFERENCE NUMBER 33930

Page 1

| ***** | | |
|---------------|---------|--------|
| SAMPLE NUMBER | Cores: | Ir ppb |
| ***** | | |
| 38160-1 | -500 UG | 40.5 |
| 38160-1 | HI MAGS | 33 |
| 38160-1 | MAGS 1 | 18 |
| 38160-1 | MAGS 2 | 21 |
| 38160-1 | MIDS | 18 |
| 38160-1 | NON MAG | 2.8m * |
| 38155 | -500 UG | 10 |
| 38155 | HI MAGS | 150 |
| 38155 | MAGS 1 | 32 |
| 38155 | MAGS 2 | 44 |
| 38155 | MIDS | 1.5 |
| 38155 | NON MAG | 13m * |
| 38164-6 | -500 UG | 41 |
| 38164-6 | HI MAGS | 27 |
| 38164-6 | MAGS 1 | 30 |
| 38164-6 | MAGS 2 | 31 |
| 38164-6 | MIDS | 36 |
| 38164-6 | NON MAG | 20 * |
| 38167-8-9 | -500 UG | 2.5 |
| 38167-8-9 | HI MAGS | 3.5 |
| 38167-8-9 | MAGS 1 | 50 |
| 38167-8-9 | MAGS 2 | 34 |
| 38167-8-9 | MIDS | 21 |
| 38167-8-9 | NON MAG | 740 * |
| 38153-9 | -500 UG | 3.5 |
| 38153-9 | HI MAGS | 44 |
| 38153-9 | MAGS 1 | 23 |
| 38153-9 | MAGS 2 | 17 |
| 38153-9 | MIDS | 21 |
| 38153-9 | NON MAG | 1.7m * |
| 38177 | HI MAGS | 430 |
| 38177 | MAGS 1 | 34 |
| 38177 | MAGS 2 | 36 |
| 38177 | NON MAG | 16m * |
| 38151-2 | HI MAGS | 25 |
| 38151-2 | MAGS 1 | 69 |
| 38151-2 | MAGS 2 | 34 |
| 38151-2 | MIDS | 480 |
| 38170-1-2 | HI MAGS | 67 |
| 38170-1-2 | MAGS 1 | 56 |



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REFERENCE NUMBER 33930

Page 2

```

*****
SAMPLE                               Ir
NUMBER                               ppb
*****
38170-1-2  MAGS 2                    37
38170-1-2  MIDS                      40
38170-1-2  NON MAG                   350 x
38153-4    HI MAGS                   240
38153-4    MAGS 1                    38
38153-4    MAGS 2                    75
38153-4    MAGS 3                    30
38153-4    MIDS                      55
38153-4    NON MAG                   1.8m x
38175-5    HI MAGS                   78

38175-5    MAGS 1                    51
38175-5    MAGS 2                    55
38175-5    MIDS                      54
38175-5    NON MAG                   1.3m :

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REFERENCE NUMBER 33930

PAGE 3

Notes on Analysis of these Samples

An 'm' Suffix after a result implies results are expressed in ppm for this sample

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

SAMPLE STORAGE

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$0.60 per day per Pallet required is levied.





370

Reference Number 35216

4 NOV., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569

Authorised By : T.K.Chan

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REFERENCE NUMBER 35216

Page 1

| SAMPLE NUMBER | | Ir |
|---------------|--|-----|
| | | ppb |

| | |
|---------------------|-----|
| 82 38280 A NON MAGS | 13 |
| 82 38280 B MAGS 2 | 27 |
| 82 38280 C MAGS 1 | 43 |
| 82 38280 D HI MAGS | 25 |
| 17 38265 A NON MAGS | 130 |
| 17 38265 B MIDS | 63 |
| 17 38265 C MAGS 2 | 46 |
| 17 38265 D MAGS 1 | 87 |
| 17 38265 E HI MAGS | 59 |
| 83 38273 A NON MAGS | 140 |

| | |
|---------------------|------|
| 83 38273 B MIDS | 51 |
| 83 38273 C MAGS 2 | 44 |
| 83 38273 D MAGS 1 | 25 |
| 83 38273 E HI MAGS | 84 |
| 39 38278 A NON MAGS | 42 |
| 39 38278 B MAGS 2 | 51 |
| 39 38278 C MAGS 1 | 32 |
| 39 38278 D HI MAGS | 16 |
| 14 38275 A NON MAGS | 2.4m |
| 14 38275 B MIDS | 41 |

| | |
|---------------------|-----|
| 14 38275 C MAGS 2 | 51 |
| 14 38275 D MAGS 1 | 53 |
| 14 38275 E HI MAGS | 50 |
| 31 38276 A NON MAGS | 32 |
| 31 38276 B MAGS 2 | 47 |
| 31 38276 C MAGS 1 | 52 |
| 31 38276 D HI MAGS | 75 |
| 25 38274 A NON MAGS | 170 |
| 25 38274 B MIDS | 32 |
| 25 38274 C MAGS 2 | 36 |

| | |
|---------------------|-----|
| 25 38274 D MAGS 1 | 43 |
| 25 38274 E HI MAGS | 38 |
| 66 38264 A NON MAGS | 22 |
| 66 38264 B MAGS 2 | 39 |
| 66 38264 C MAGS 1 | 34 |
| 66 38264 D HI MAGS | 42 |
| 50 38269 A NON MAGS | 51 |
| 50 38269 B MIDS | 110 |
| 50 38269 C MAGS 2 | 44 |
| 50 38269 D MAGS 1 | 53 |

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REFERENCE NUMBER 35216

Page 2

| SAMPLE NUMBER | Ir ppb |
|---------------|-----------|
|---------------|-----------|

| | |
|---------------------|------|
| 50 38269 E HI MAGS | 100 |
| 37 38140 A NON MAGS | 39 |
| 37 38140 B MIDS | 55 |
| 37 38140 C MAGS 2 | 47 |
| 37 38140 D MAGS 1 | 56 |
| 37 38140 E HI MAGS | 80 |
| ? 38157 A NON MAGS | 23 |
| ? 38157 B MIDS | 44 |
| ? 38157 C MAGS 2 | 39 |
| ? 38157 D MAGS 1 | 48 |
| 38157 E HI MAGS | 42 |
| 41 38149 A NON MAGS | 22 |
| 41 38149 B MAGS 1 | 22 |
| 41 38149 C HI MAGS | 8.0 |
| 10 38263 A NON MAGS | 2.5 |
| 10 38263 B MAGS 2 | 2.5 |
| 10 38263 C MAGS 1 | 83 |
| 10 38263 D HI MAGS | 57 |
| 56 38261 A NON MAGS | 2.0m |
| 56 38261 B MIDS | 75 |
| 56 38261 C MAGS 2 | 110 |
| 56 38261 D MAGS 1 | 47 |
| 56 38261 E HI MAGS | 47 |
| 68 38267 A NON MAGS | 49 |
| 68 38267 B MAGS 1 | 67 |
| 68 38267 C HI MAGS | 61 |
| 57 38260 A NON MAGS | 42 |
| 57 38260 B MIDS | 70 |
| 57 38260 C MAGS 2 | 54 |
| 57 38260 D MAGS 1 | 90 |
| 57 38260 E HI MAGS | 33 |
| 07 38150 A NON MAGS | 65 |
| 07 38150 B MIDS | 62 |
| 07 38150 C MAGS 2 | 75 |
| 07 38150 D MAGS 1 | 64 |
| 07 38150 E HI MAGS | 51 |
| 08 38266 A NON MAGS | 1.5m |
| 08 38266 B MAGS 2 | 19 |
| 08 38266 C MAGS 1 | 34 |
| 08 38266 D HI MAGS | 29 |



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REFERENCE NUMBER 35216

Page 3

| ***** | | |
|---------------|------------|-----------|
| SAMPLE NUMBER | | Ir ppb |
| ***** | | |
| 18 38270 A | NON MAGS | 1.5 |
| 18 38270 B | MIDS | 4.0 |
| 18 38270 C | MAGS 2 | 3.5 |
| 18 38270 D | MAGS 1 | 2.5 |
| 18 38270 E | HI MAGS | 4.5 |
| 22 38268 A | NON MAGS | 18 |
| 22 38268 B | MIDS | 24 |
| 22 38268 C | MAGS 2 | 34 |
| 22 38268 D | MAGS 1 | 49 |
| 22 38268 E | HI MAGS | 40 |
| 71 38277 A | NON MAGS | 19 |
| 71 38277 B | MIDS | 27 |
| 71 38277 C | MAGS 2 | 48 |
| 71 38277 D | MAGS 1 | 48 |
| 71 38277 E | HI MAGS | 56 |
| 84 38271 A | NON MAGS | 23 |
| 84 38271 B | MAGS 1 | 27 |
| 84 38271 C | HI MAGS | 17 |
| 38 38259 A | NON MAGS | 33 |
| 38 38259 B | MAGS 2 | 51 |
| 38 38259 C | MAGS 1 | 57 |
| 38 38259 D | HI MAGS | 76 |
| 28 38234 A | NON MAGS 1 | 44 |
| 28 38234 A | NON MAGS 2 | 34 |
| 28 38234 B | MAGS 2 | 54 |
| 28 38234 C | MAGS 1 | 51 |
| 28 38234 D | HI MAGS | 180 |
| 37 38258 A | NON MAGS | 110 |
| 37 38258 B | MIDS | 130 |
| 37 38258 C | MAGS 2 | 62 |
| 37 38258 D | MAGS 1 | 65 |
| 37 38258 E | HI MAGS | 37 |
| 28 38233 A | NON MAGS | 44 |
| 28 38233 B | MIDS | 38 |
| 28 38233 C | MAGS 2 | 39 |
| 28 38233 D | MAGS 1 | 32 |
| 28 38233 E | HI MAGS | 29 |
| ? 38262 A | NON MAGS | 30 |
| ? 38262 B | MAGS 2 | 53 |
| ? 38262 C | MAGS 1 | 63 |

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REFERENCE NUMBER 35216

Page 4

| SAMPLE NUMBER | Ir ppb |
|---------------|--------|
|---------------|--------|

| | |
|--------------------------|-----|
| ? 38262 D HI MAGS | 57 |
| 39 38256 A NON MAGS | 90 |
| 39 38256 B MAGS 2 | 50 |
| 39 38256 C MAGS 1 | 61 |
| 39 38256 D HI MAGS | 48 |
| HUTCH 2&3 29B A NON MAGS | 24 |
| HUTCH 2&3 29B B MIDS | 120 |
| HUTCH 2&3 29B C MAGS 2 | 28 |
| HUTCH 2&3 29B D MAGS 1 | 25 |
| HUTCH 2&3 29B E HI MAGS | 24 |
| HUTCH 2&3 17B A NON MAGS | 180 |
| HUTCH 2&3 17B B MIDS | 110 |
| HUTCH 2&3 17B C MAGS 2 | 61 |
| HUTCH 2&3 17B E HI MAGS1 | 46 |
| HUTCH 2&3 17B E HI MAGS2 | 36 |
| HUTCH 2&3 14B A NON MAGS | 270 |
| HUTCH 2&3 14B B MIDS | 68 |
| HUTCH 2&3 14B C MAGS 2 | 44 |
| HUTCH 2&3 14B D MAGS 1 | 57 |
| HUTCH 2&3 14B E HI MAGS | 33 |
| HUTCH 2&3 28B A NON MAGS | 58 |
| HUTCH 2&3 28B B MIDS | 84 |
| HUTCH 2&3 28B C MAGS 2 | 30 |
| HUTCH 2&3 28B D MAGS 1 | 34 |
| HUTCH 2&3 28B E HI MAGS | 14 |
| HUTCH 2&3 8B A NON MAGS | 18 |
| HUTCH 2&3 8B B MIDS | 20 |
| HUTCH 2&3 8B C MAGS 2 | 26 |
| HUTCH 2&3 8B D MAGS 1 | 16 |
| HUTCH 2&3 8B E HI MAGS | 16 |
| HUTCH 2&3 16B A NON MAGS | 38 |
| HUTCH 2&3 16B B MIDS | 32 |
| HUTCH 2&3 16B C MAGS 2 | 53 |
| HUTCH 2&3 16B D MAGS 1 | 44 |
| HUTCH 2&3 16B E HI MAGS | 67 |
| HUTCH 2&3 05B E NON MAGS | 150 |
| HUTCH 2&3 05B B MIDS | 68 |
| HUTCH 2&3 05B B MIDS | 57 |
| HUTCH 2&3 05B C MAGS 2 | 49 |
| HUTCH 2&3 05B D MAGS 1 | 27 |



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REFERENCE NUMBER 35216

Page 5

| SAMPLE NUMBER | Ir ppb |
|---------------|-----------|
|---------------|-----------|

| | |
|--------------------------|-----|
| HUTCH 2&3 05B E HI MAGS | 20 |
| HUTCH 2&3 9B A NON MAGS | 120 |
| HUTCH 2&3 9B B MIDS | 110 |
| HUTCH 2&3 9B C MAGS 2 | 130 |
| HUTCH 2&3 9B D MAGS 1 | 36 |
| HUTCH 2&3 9B E HI MAGS | 5.5 |
| HUTCH 2&3 13B A NON MAGS | 49 |
| HUTCH 2&3 13B B MIDS | 46 |
| HUTCH 2&3 13B C MAGS 2 | 44 |
| HUTCH 2&3 13B D MAGS 1 | 55 |
| HUTCH 2&3 13B E HI MAGS | 58 |



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REFERENCE NUMBER 35216

PAGE 6

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

Ir

has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for

ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

AS

ANALYTICAL SERVICES (W.A.) PTY. LTD.

845378

377

Reference Number 35218

30 OCT., 1987

Callina N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By :
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569



Authorised By : T.K.Chan



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REFERENCE NUMBER 35218

Page 1

| SAMPLE NUMBER | Au ppb | Pt ppb | Pd ppb | Ru ppb | Rh ppb | Ir ppb | Os ppb |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 AIR TABLE CONS | 24 | 3.5 | 10 | 38 | 4.5 | 25 | 22 |

REFERENCE NUMBER 35218

PAGE 2

Sample Preparation

The samples have been sorted and dried. The whole sample has then been pulverised in a Ring Pulveriser.

Sample Analysis

Au Pt Pd Ru Rh Ir Os

have been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

(AS)

380

REFERENCE NUMBER 35485

PAGE 3

Sample Preparation

The samples have been sorted and dried. Primary preparation has been by hammer milling the whole sample. The samples have been split to obtain a 100 gm sub-fraction which has then been pulverised in a Ring Pulveriser.

Sample Analysis

An 'm' Suffix after a result implies results are expressed in ppm for this sample

Ir has been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Sample Storage

Sample pulps and residues will be stored free of charge for

ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.



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REFERENCE NUMBER 35485

Page 2

| | |
|--------|-----|
| SAMPLE | Ir |
| NUMBER | ppb |

| | |
|---------------------|-----|
| 41. AIR TABLE TAILS | 110 |
| 42. AIR TABLE MIDS | 72 |



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REFERENCE NUMBER 35485

Page 1

| SAMPLE NUMBER | Ir ppb |
|-----------------------------|-----------|
| 01. HOLE 85 37389 -5 N.MAGS | 54 |
| 02. HOLE 31 37399 -5 N.MAGS | 33 |
| 03. HOLE 34 37400 -5 N.MAGS | 2.0 |
| 04. HOLE 21 37401 -5 N.MAGS | 83 |
| 05. HOLE 21 37402 -5 N.MAGS | 14 |
| 06. HOLE 21 37405 -5 N.MAGS | 0.5 |
| 07. HOLE 23 37406 -5 N.MAGS | 0.5 |
| 08. HOLE ? 37407 -5 N.MAGS | 1.9 |
| 09. HOLE 30 37410 -5 N.MAGS | 32 |
| 10. HOLE 52 37398 -5 N.MAGS | 40 |
| 11. HOLE 31 37400 -5 N.MAGS | 28 |
| 12. HOLE 21 37404 -5 N.MAGS | 0.5 |
| 13. HOLE 81 38283 -5 N.MAGS | 45 |
| 14. HOLE 23 38285 -5 N.MAGS | 35 |
| 15. HOLE ? 38286 -5 N.MAGS | 5.5 |
| 16. HOLE 25 38287 -5 N.MAGS | 0.5 |
| 17. HOLE 85 38288 -5 N.MAGS | 26 |
| 18. HOLE 32 38290 -5 N.MAGS | 5.0m |
| 19. HOLE 83 38292 -5 N.MAGS | 54 |
| 20. HOLE 82 38293 -5 N.MAGS | 41 |
| 21. HOLE 81 38294 -5 N.MAGS | 40 |
| 22. HOLE 34 38298 -5 N.MAGS | 14 |
| 23. HOLE 30 37409 -5 N.MAGS | 17 |
| 24. HOLE 48 38281 -5 N.MAGS | 41 |
| 25. HOLE 22 38282 -5 N.MAGS | 1.0 |
| 26. HOLE 32 38284 -5 N.MAGS | 37 |
| 27. HOLE 23 38295 -5 N.MAGS | 2.0 |
| 28. HOLE 35 38296 -5 N.MAGS | 4.4m |
| 29. HOLE 82 38297 -5 N.MAGS | 60 |
| 30. HOLE 54 38299 -5 N.MAGS | 43 |
| 31. HOLE 08 38300 -5 N.MAGS | 200 |
| 32. HOLE 74 37390 -5 N.MAGS | 76 |
| 33. HOLE 53 37391 -5 N.MAGS | 400 |
| 34. HOLE 55 37392 -5 N.MAGS | 120 |
| 35. HOLE 63 37393 -5 N.MAGS | 82 |
| 36. HOLE 33 37394 -5 N.MAGS | 24 |
| 37. HOLE 07 37395 -5 N.MAGS | 190 |
| 38. HOLE 37 37396 -5 N.MAGS | 82 |
| 39. HOLE 17 37397 -5 N.MAGS | 4.8m |
| 40. HOLE 3238289 -5 N.MAGS | 7.2m |



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Reference Number 35485

11 NOV., 1987

Celline N.L.

100 Mill Point Rd
SOUTH PERTH WA 6151

Analysis of Mineral Samples

Analysed By ;
ANALYTICAL SERVICES (WA) PTY LTD
19 Augusta St
WILLETTON WA 6155
Telephone 354 1888
Telex AA 94767
Facsimile 457 2569

Authorised By : T.K.Chan



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REFERENCE NUMBER 33930

Page 1

| LK | SAMPLE NUMBER | Ir | ppb |
|----|---------------|----|-----|
|----|---------------|----|-----|

| | | | |
|--|---------|---------|------|
| | 38160-1 | -500 UG | 20.8 |
|--|---------|---------|------|

| | | | |
|--|---------|---------|----|
| | 38160-1 | HI MAGS | 33 |
|--|---------|---------|----|

| | | | |
|---|---------|--------|----|
| 1 | 38160-1 | MAGS 1 | 18 |
|---|---------|--------|----|

| | | | |
|---|---------|--------|----|
| 5 | 38160-1 | MAGS 2 | 21 |
|---|---------|--------|----|

| | | | |
|--|---------|------|----|
| | 38160-1 | MIDS | 18 |
|--|---------|------|----|

| | | | |
|--|---------|---------|------|
| | 38160-1 | NON MAG | 2.8m |
|--|---------|---------|------|

| | | | |
|--|-------|---------|----|
| | 38155 | -500 UG | 10 |
|--|-------|---------|----|

| | | | |
|--|-------|---------|-----|
| | 38155 | HI MAGS | 150 |
|--|-------|---------|-----|

| | | | |
|--|-------|--------|----|
| | 38155 | MAGS 1 | 32 |
|--|-------|--------|----|

| | | | |
|---|-------|--------|----|
| 6 | 38155 | MAGS 2 | 44 |
|---|-------|--------|----|

| | | | |
|--|-------|------|-----|
| | 38155 | MIDS | 1.5 |
|--|-------|------|-----|

| | | | |
|--|-------|---------|-----|
| | 38155 | NON MAG | 13m |
|--|-------|---------|-----|

| | | | |
|--|---------|---------|----|
| | 38164-6 | -500 UG | 41 |
|--|---------|---------|----|

| | | | |
|--|---------|---------|----|
| | 38164-6 | HI MAGS | 27 |
|--|---------|---------|----|

| | | | |
|---|---------|--------|----|
| 3 | 38164-6 | MAGS 1 | 30 |
|---|---------|--------|----|

| | | | |
|--|---------|--------|----|
| | 38164-6 | MAGS 2 | 31 |
|--|---------|--------|----|

| | | | |
|--|---------|------|----|
| | 38164-6 | MIDS | 36 |
|--|---------|------|----|

| | | | |
|--|---------|---------|----|
| | 38164-6 | NON MAG | 20 |
|--|---------|---------|----|

| | | | |
|--|-----------|---------|-----|
| | 38167-8-9 | -500 UG | 2.5 |
|--|-----------|---------|-----|

| | | | |
|--|-----------|---------|-----|
| | 38167-8-9 | HI MAGS | 3.5 |
|--|-----------|---------|-----|

| | | | |
|---|-----------|--------|----|
| 1 | 38167-8-9 | MAGS 1 | 50 |
|---|-----------|--------|----|

| | | | |
|--|-----------|--------|----|
| | 38167-8-9 | MAGS 2 | 34 |
|--|-----------|--------|----|

| | | | |
|--|-----------|------|----|
| | 38167-8-9 | MIDS | 21 |
|--|-----------|------|----|

| | | | |
|--|-----------|---------|-----|
| | 38167-8-9 | NON MAG | 740 |
|--|-----------|---------|-----|

| | | | |
|--|---------|---------|-----|
| | 38158-9 | -500 UG | 3.5 |
|--|---------|---------|-----|

| | | | |
|--|---------|---------|----|
| | 38158-9 | HI MAGS | 44 |
|--|---------|---------|----|

| | | | |
|---|---------|--------|----|
| 2 | 38158-9 | MAGS 1 | 23 |
|---|---------|--------|----|

| | | | |
|--|---------|--------|----|
| | 38158-9 | MAGS 2 | 17 |
|--|---------|--------|----|

| | | | |
|--|---------|------|----|
| | 38158-9 | MIDS | 21 |
|--|---------|------|----|

| | | | |
|--|---------|---------|------|
| | 38158-9 | NON MAG | 1.7m |
|--|---------|---------|------|

| | | | |
|--|-------|---------|-----|
| | 38177 | HI MAGS | 430 |
|--|-------|---------|-----|

| | | | |
|---|-------|--------|----|
| 2 | 38177 | MAGS 1 | 34 |
|---|-------|--------|----|

| | | | |
|--|-------|--------|----|
| | 38177 | MAGS 2 | 36 |
|--|-------|--------|----|

| | | | |
|--|-------|---------|-----|
| | 38177 | NON MAG | 16m |
|--|-------|---------|-----|

| | | | |
|--|---------|---------|----|
| | 38151-2 | HI MAGS | 25 |
|--|---------|---------|----|

| | | | |
|---|---------|--------|----|
| 5 | 38151-2 | MAGS 1 | 69 |
|---|---------|--------|----|

| | | | |
|--|---------|--------|----|
| | 38151-2 | MAGS 2 | 34 |
|--|---------|--------|----|

| | | | |
|--|---------|------|-----|
| | 38151-2 | MIDS | 480 |
|--|---------|------|-----|

| | | | |
|--|-----------|---------|----|
| | 38170-1-2 | HI MAGS | 67 |
|--|-----------|---------|----|

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|---|-----------|--------|----|
| 5 | 38170-1-2 | MAGS 1 | 56 |
|---|-----------|--------|----|

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385

845386

REFERENCE NUMBER 33930

Page 2

| SAMPLE NUMBER | | Ir | |
|---------------|--|-----|--|
| | | ppb | |

| | | | | |
|----|-----------|---------|------|----------|
| 15 | 38170-1-2 | MAGS 2 | 37 | |
| | 38170-1-2 | MIDS | 40 | |
| | 38170-1-2 | NON MAG | 350 | 0.35 ppm |
| | 38153-4 | HI MAGS | 240 | |
| | 38153-4 | MAGS 1 | 38 | |
| 7 | 38153-4 | MAGS 2 | 75 | |
| | 38153-4 | MAGS 3 | 30 | |
| | 38153-4 | MIDS | 55 | |
| | 38153-4 | NON MAG | 1.8m | 1.8 ppm |
| | 38175-5 | HI MAGS | 78 | |
| | 38175-5 | MAGS 1 | 51 | |
| | 38175-5 | MAGS 2 | 55 | |
| | 38175-5 | MIDS | 54 | |
| | 75-5 | NON MAG | 1.3m | 1.3 ppm |

$$\bar{x} = \frac{Ir}{Os} = \frac{4.71}{4.71} \cdot \frac{Ru}{(1.5)} \cdot \frac{Pt}{(0.5)} = 11.42 \text{ g/t}$$

Bulk S

No. 2 - 7 inclusion of HPT.

embossed.

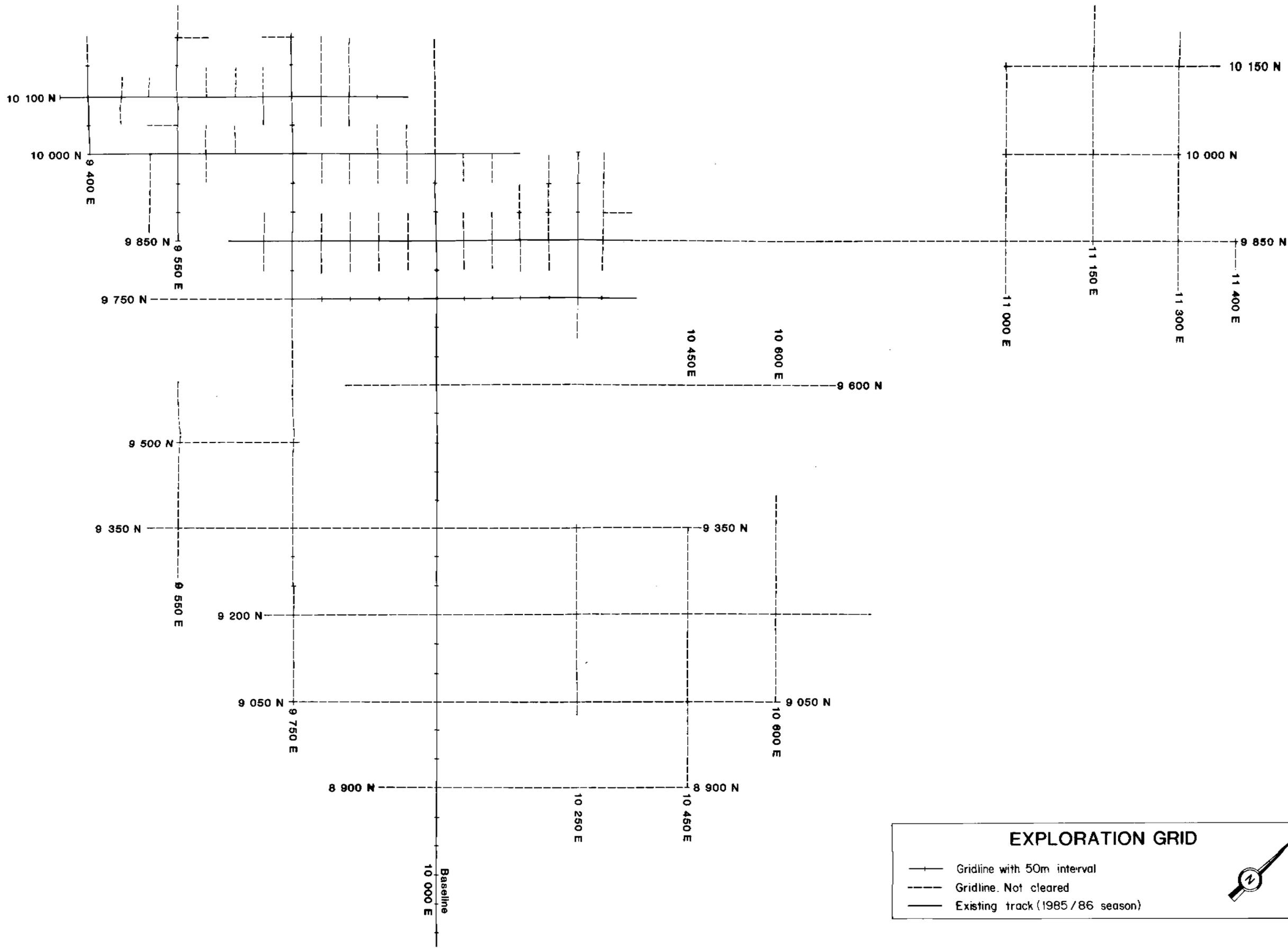
SIZING MAGNETIC FRACTION

Tabled Samples

386

| Sample No (tabled) | Weight (kg) | | total weight (kg) | % weight | | |
|----------------------------|--------------|---------------|-------------------------|--------------|---------------|--------------------------|
| | Table CON | table tail | | table CON | table tail | |
| 3B -2.0; +0.5 Non Magn | 2.341 | 4.243 | 6.584 | 35.56 | 64.44 | |
| 3B -0.5 Non Magn | 0.075 | 0.350 | 0.425 | 17.65 | 82.35 | |
| 27B -2.0; +0.5 Non Magn | 1.357 | 1.670 | 3.027 | 44.83 | 55.17 | |
| 27B -0.5 Non Magn | 0.093 | 0.413 | 0.506 | 18.38 | 81.62 | |
| 3 -0.5 Magn 1 + Magn 2 | 0.236 | 1.191 | 1.427 | 16.54 | 83.46 | |
| 4 -0.5 Magn 1 + Magn 2 | 0.059 | 0.142 | 0.201 | 29.35 | 70.65 | |
| 10 -0.5 Magn 1 + Magn 2 | 0.296 | 3.470 | 3.766 | 7.86 | 92.14 | |
| 23 -0.5 Magn 1 + Magn 2 | 0.128 | 0.757 | 0.885 | 14.46 | 85.54 | |
| 26 -0.5 Magn 1 + Magn 2 | 0.427 | 6.401 | 6.828 | 6.25 | 93.75 | 490-3232. Agnew, Colm |
| 28 -0.5 Magn 1 + Magn 2 | 0.212 | 3.365 | 3.577 | 5.93 | 94.07 | |

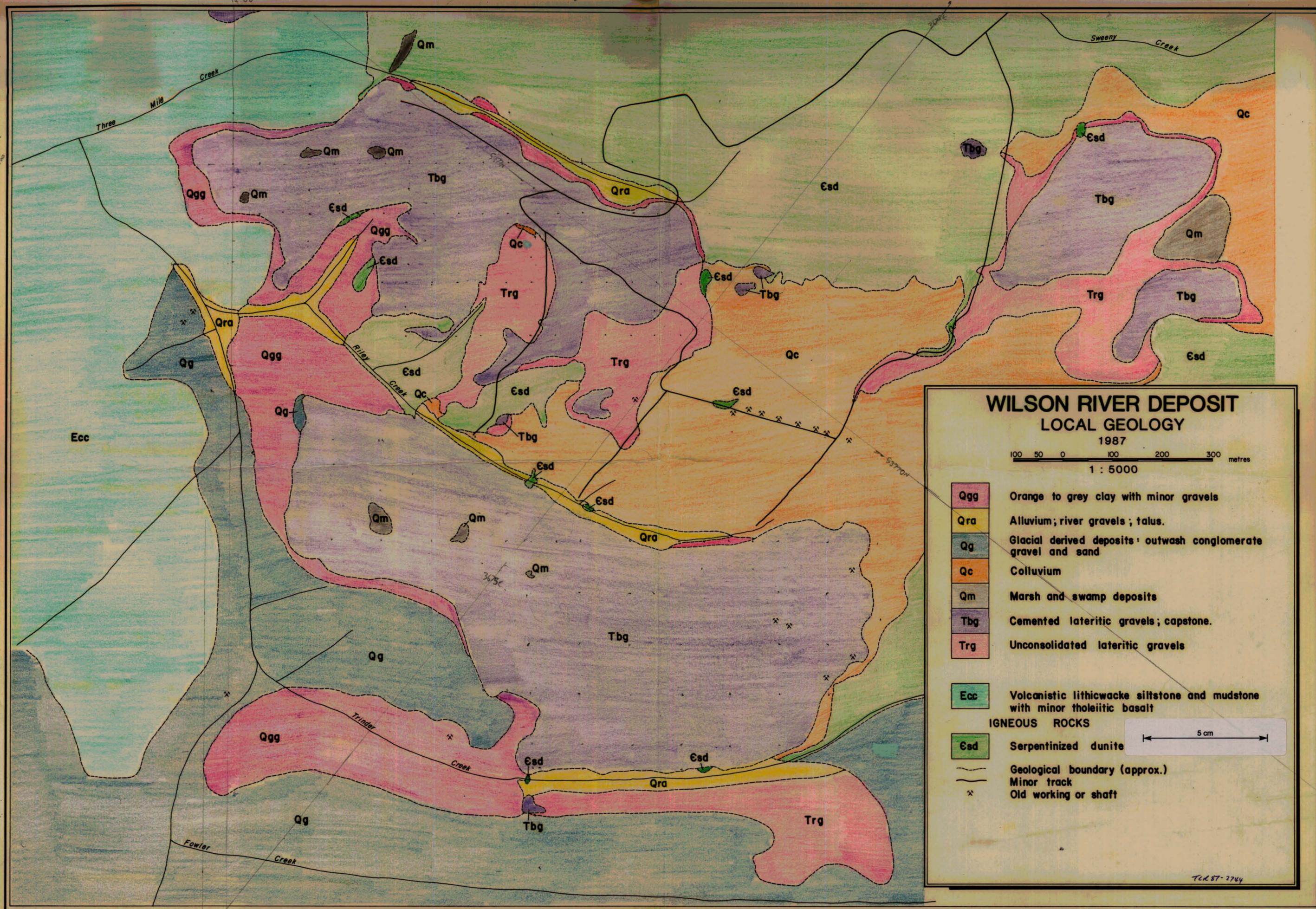
845387



EXPLORATION GRID

- +— Gridline with 50m interval
- - - Gridline. Not cleared
- Existing track (1985 / 86 season)





**WILSON RIVER DEPOSIT
LOCAL GEOLOGY**

1987

100 50 0 100 200 300 metres

1 : 5000

- Qgg** Orange to grey clay with minor gravels
- Qra** Alluvium; river gravels ; talus.
- Qg** Glacial derived deposits: outwash conglomerate gravel and sand
- Qc** Colluvium
- Qm** Marsh and swamp deposits
- Tbg** Cemented lateritic gravels; capstone.
- Trg** Unconsolidated lateritic gravels

Ecc Volcanistic lithicwacke siltstone and mudstone with minor tholeiitic basalt

IGNEOUS ROCKS

Esd Serpentinized dunite

5 cm

— Geological boundary (approx.)

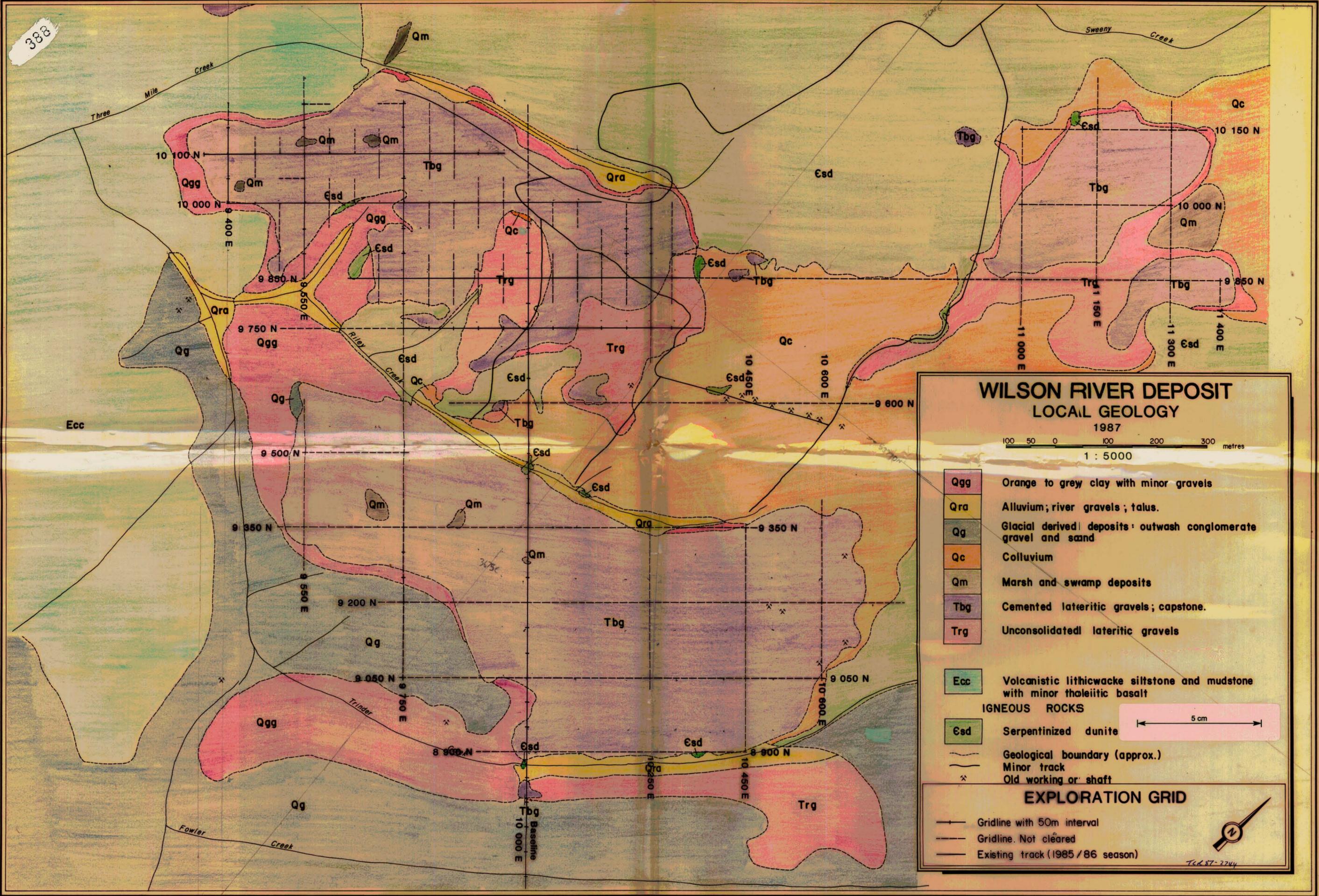
— Minor track

× Old working or shaft

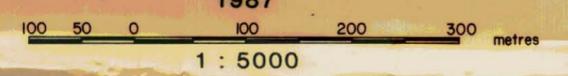
71287-2744

388

87-2744



**WILSON RIVER DEPOSIT
LOCAL GEOLOGY**
1987



- Qgg** Orange to grey clay with minor gravels
- Qra** Alluvium; river gravels; talus.
- Qg** Glacial derived deposits: outwash conglomerate gravel and sand
- Qc** Colluvium
- Qm** Marsh and swamp deposits
- Tbg** Cemented lateritic gravels; capstone.
- Trg** Unconsolidated lateritic gravels

Ecc Volcanistic lithicwacke siltstone and mudstone with minor tholeiitic basalt

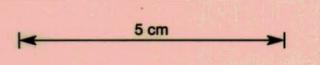
IGNEOUS ROCKS

Esd Serpentinized dunite

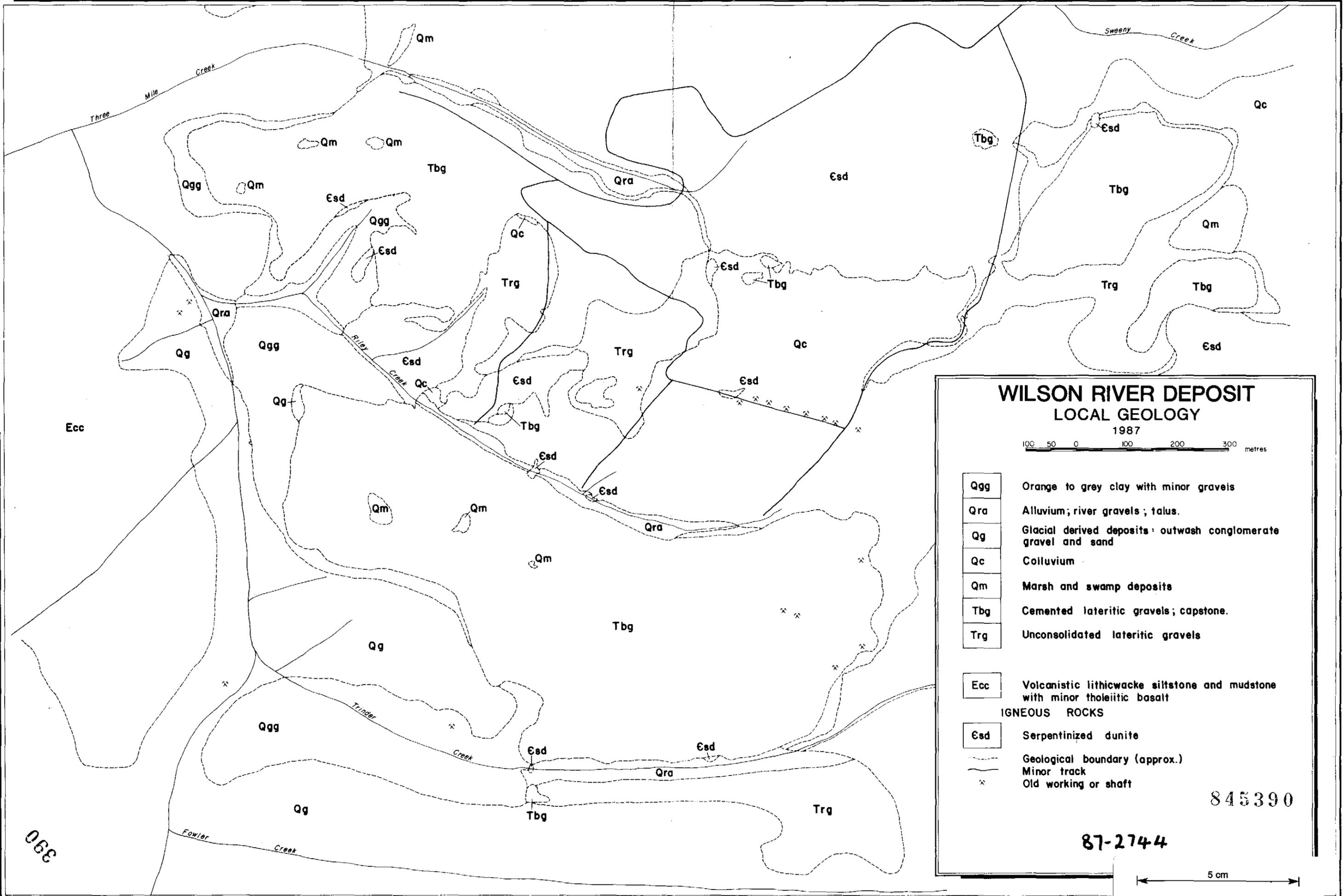
- Geological boundary (approx.)
- - - Minor track
- x Old working or shaft

EXPLORATION GRID

- Gridline with 50m interval
- - - Gridline. Not cleared
- Existing track (1985/86 season)



TCD 87-2744



**WILSON RIVER DEPOSIT
LOCAL GEOLOGY**

1987



- Qgg** Orange to grey clay with minor gravels
- Qra** Alluvium; river gravels; talus.
- Qg** Glacial derived deposits: outwash conglomerate gravel and sand
- Qc** Colluvium
- Qm** Marsh and swamp deposits
- Tbg** Cemented lateritic gravels; capstone.
- Trg** Unconsolidated lateritic gravels

Ecc Volcanistic lithicwacke siltstone and mudstone with minor tholeiitic basalt

IGNEOUS ROCKS

Esd Serpentinized dunite

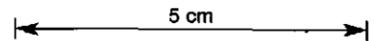
--- Geological boundary (approx.)

— Minor track

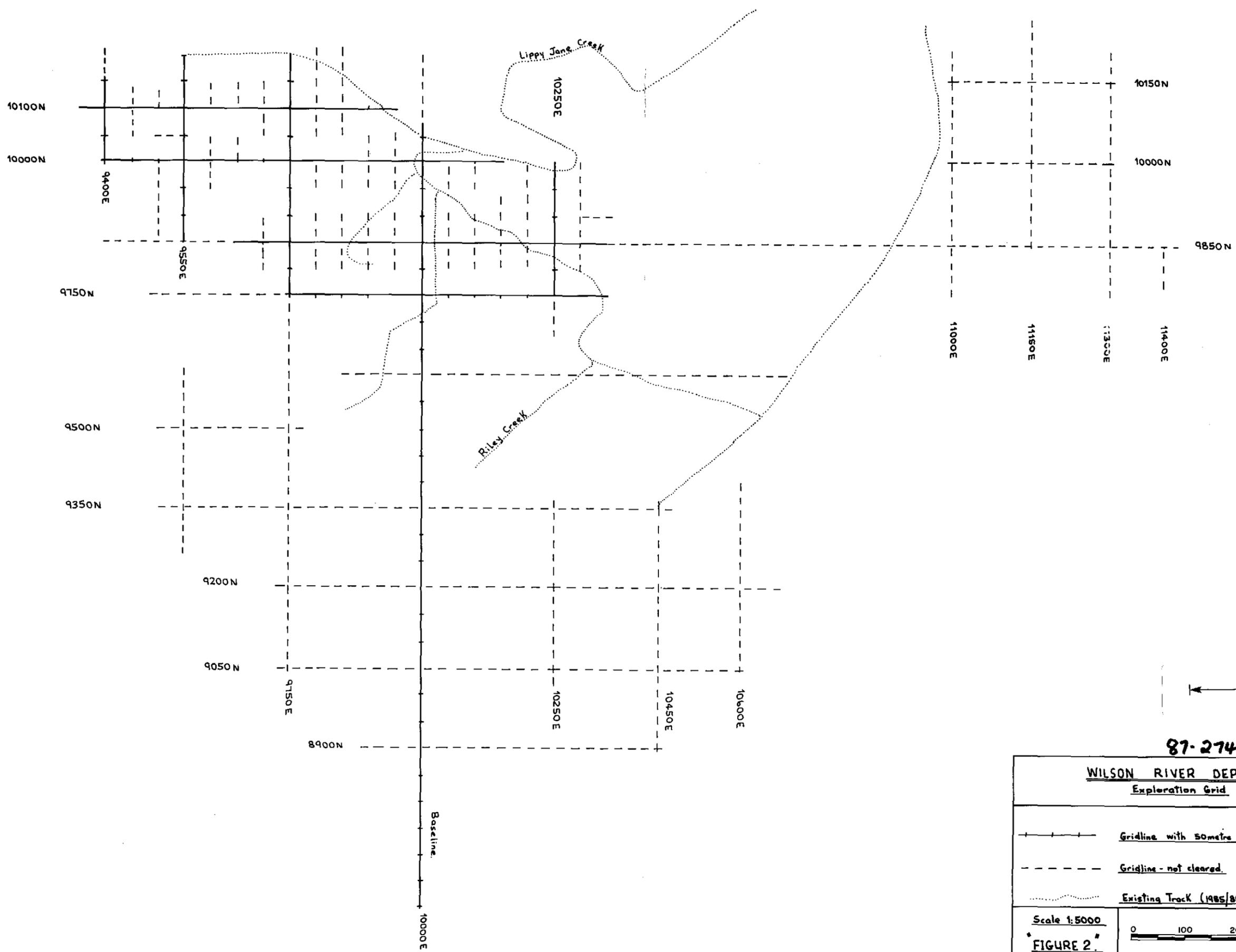
x Old working or shaft

845390

87-2744



068



5 cm

87-2744

WILSON RIVER DEPOSIT
Exploration Grid

- Gridline with 50metre interval.
- Gridline - not cleared.
- Existing Track (1985/86 season)

Scale 1:5000

FIGURE 2



166

845392

3675

S 377 N



LOCATION OF PREVIOUS WORKINGS
 REFER TO TABLE I **FIGURE 3**

3675 E

397

367 500 E

845393

1:5000

N

'AREA D'

| | | | |
|---|---------|----|-------|
| A | Samples | WC | 1-8 |
| B | " | " | 9-15 |
| C | " | " | 16-23 |
| D | " | RC | 1-3 |
| E | " | " | 4 |
| F | " | " | 5-6 |
| G | " | " | 7-8 |
| H | " | " | 9-11 |
| I | " | " | 12 |

LIPPY JANE CREEK

A

B

C

I

H

G

F

'AREA A'

'AREA B'

E

D

'AREA C'

CREEK

RILEY

--- TRACK
--- CREEK

□ OLD WORKINGS
■ SAMPLE SITES

5 377 000 N

5 377 000 N

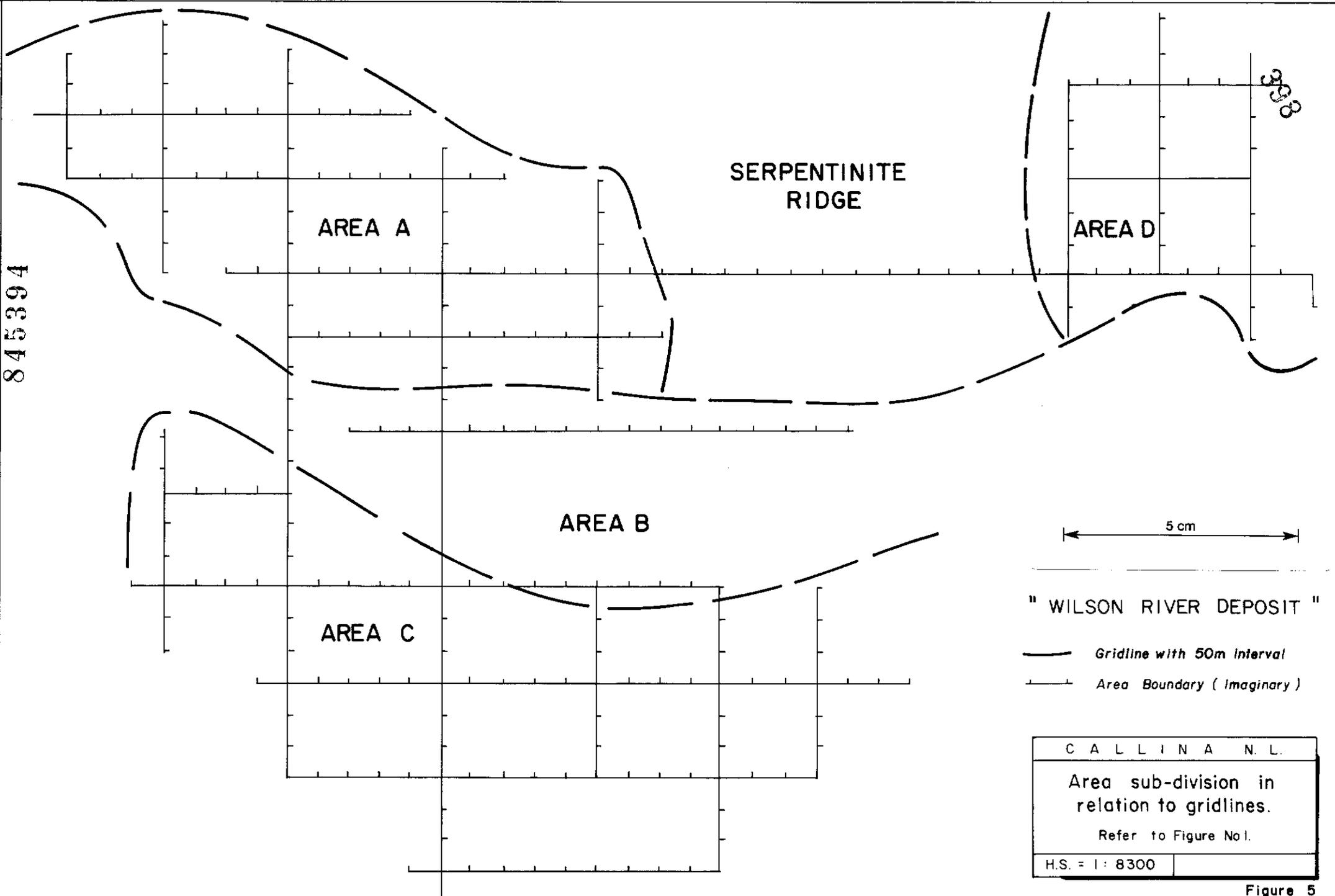
EL 24/85 LIPPY JANE/RILEY CREEK 1985/86
LOCATIONS OF COSTEANS AND SAMPLE SITES

5 cm

367 500 E

FIGURE 4

845394



SERPENTINITE RIDGE

AREA A

AREA D

AREA B

AREA C

5 cm

" WILSON RIVER DEPOSIT "

Gridline with 50m Interval

Area Boundary (Imaginary)

C A L L I N A N . L .

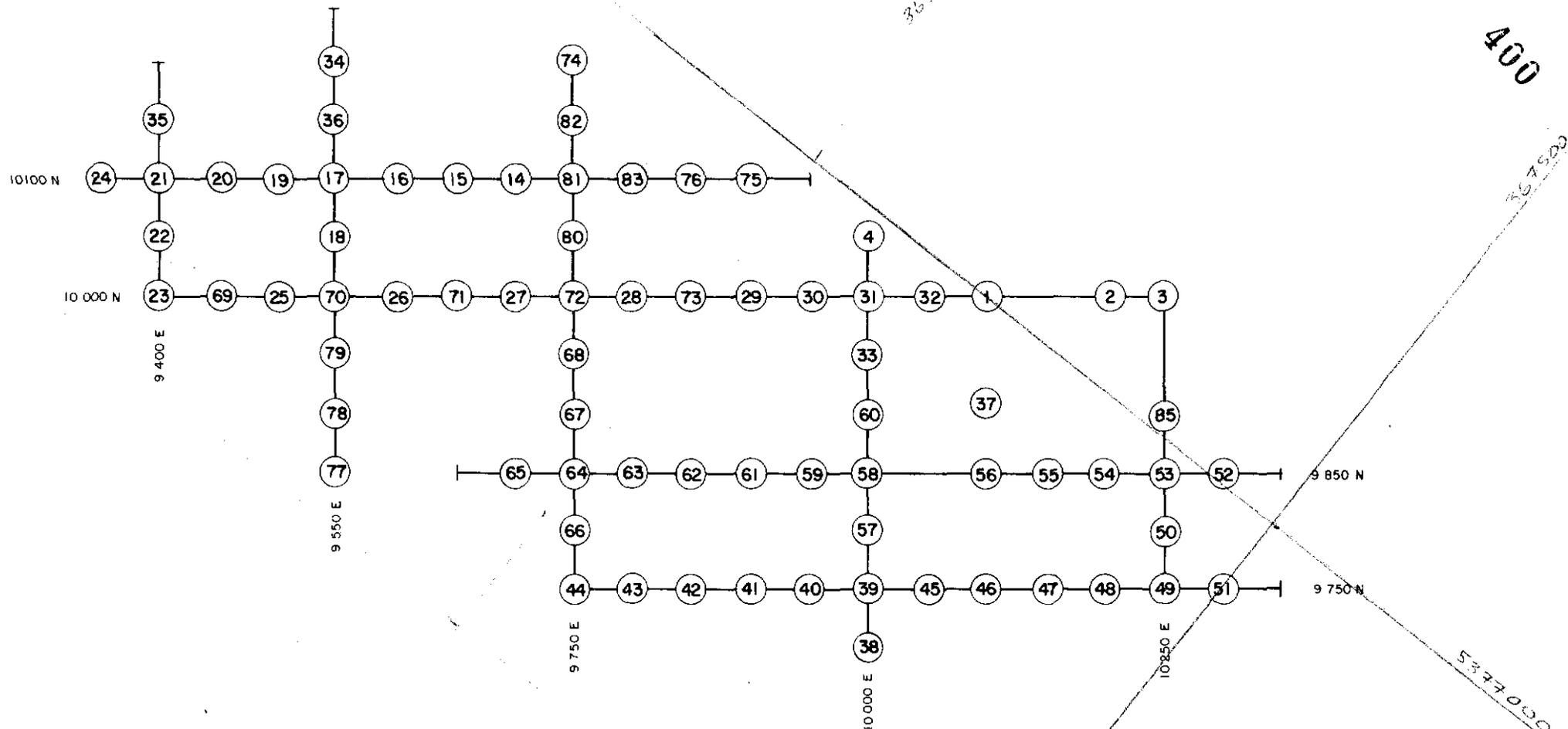
Area sub-division in relation to gridlines.

Refer to Figure No.1.

H.S. = 1: 8300

Figure 5

845396

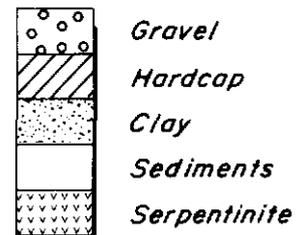
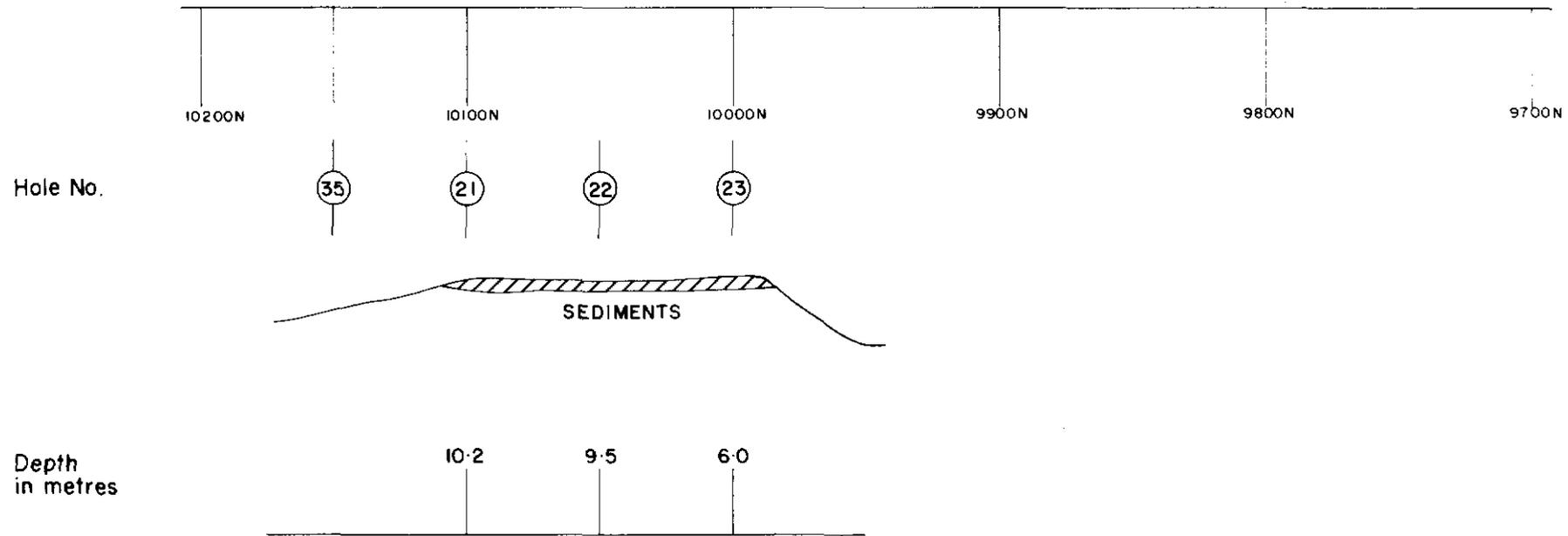


400

| | |
|--------------------------------------|--|
| CALLINA N. L. | |
| LOCATION OF AUGER DRILL HOLES AREA A | |
| H.S. = 1:8300 | |

5 cm

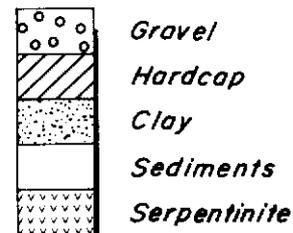
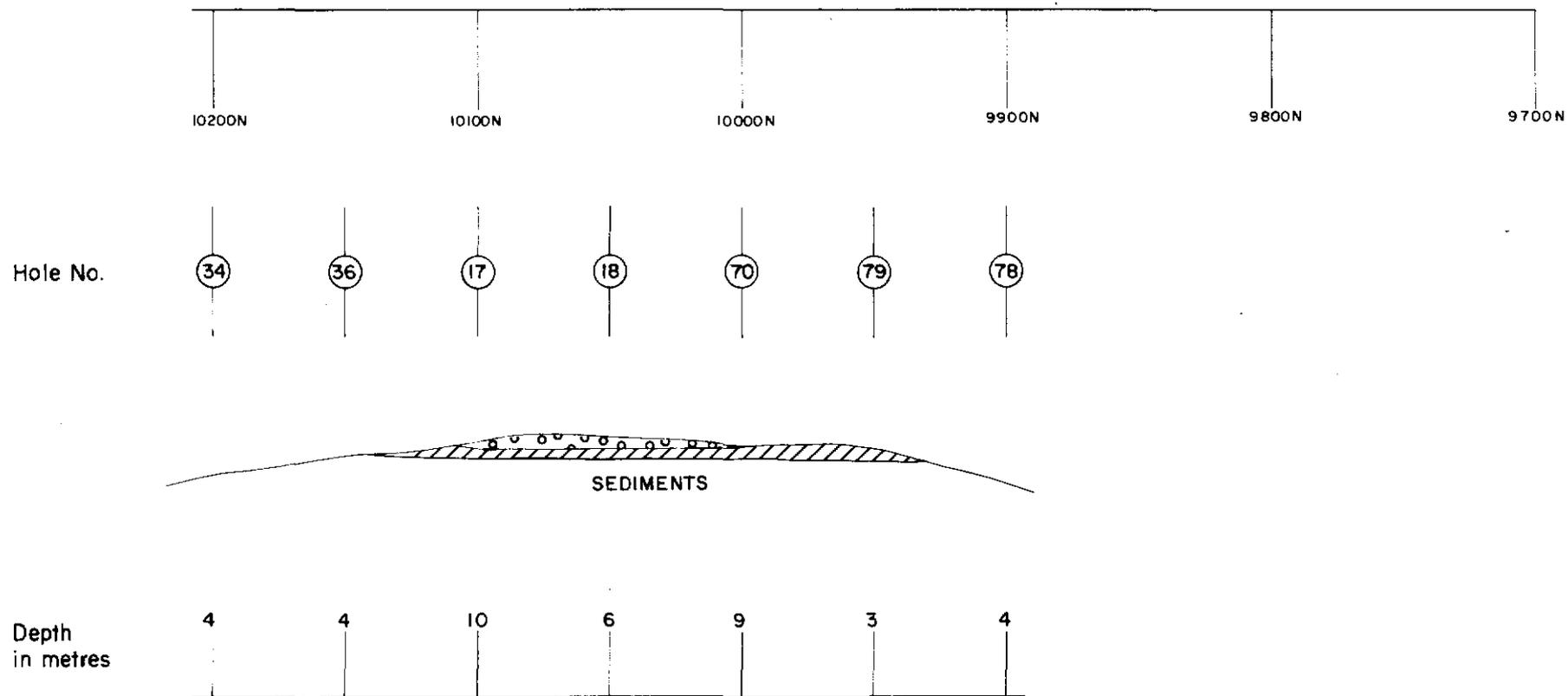
Figure 7



| | |
|---------------------------------|--------------|
| C A L L I N A N. L. | |
| Line 9400 E Vertical Profile | |
| H.S. = 1:2500 | V.S. = 1:500 |

Figure 8A

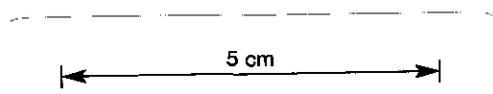
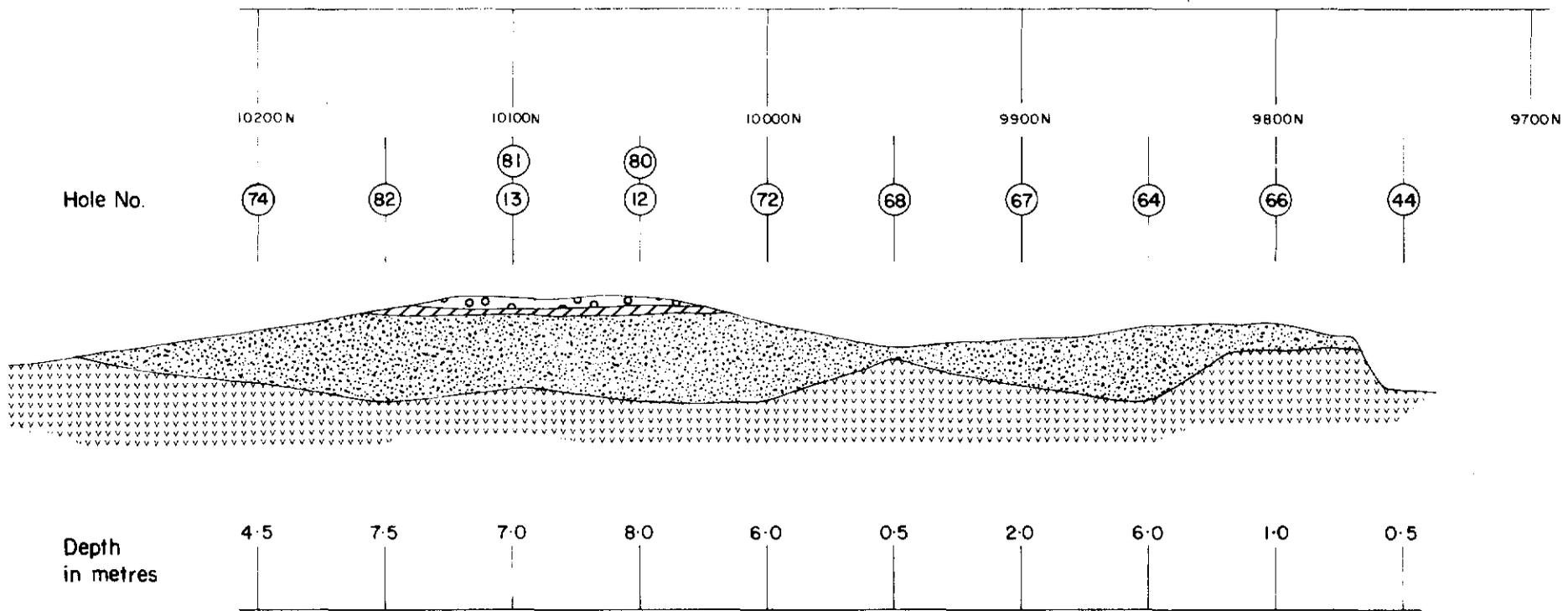
401



| | |
|--|----------------|
| C A L L I N A N. L. | |
| Line 9550 E Vertical Profile | |
| H.S. = 1 : 2500 | V.S. = 1 : 500 |

Figure 8B

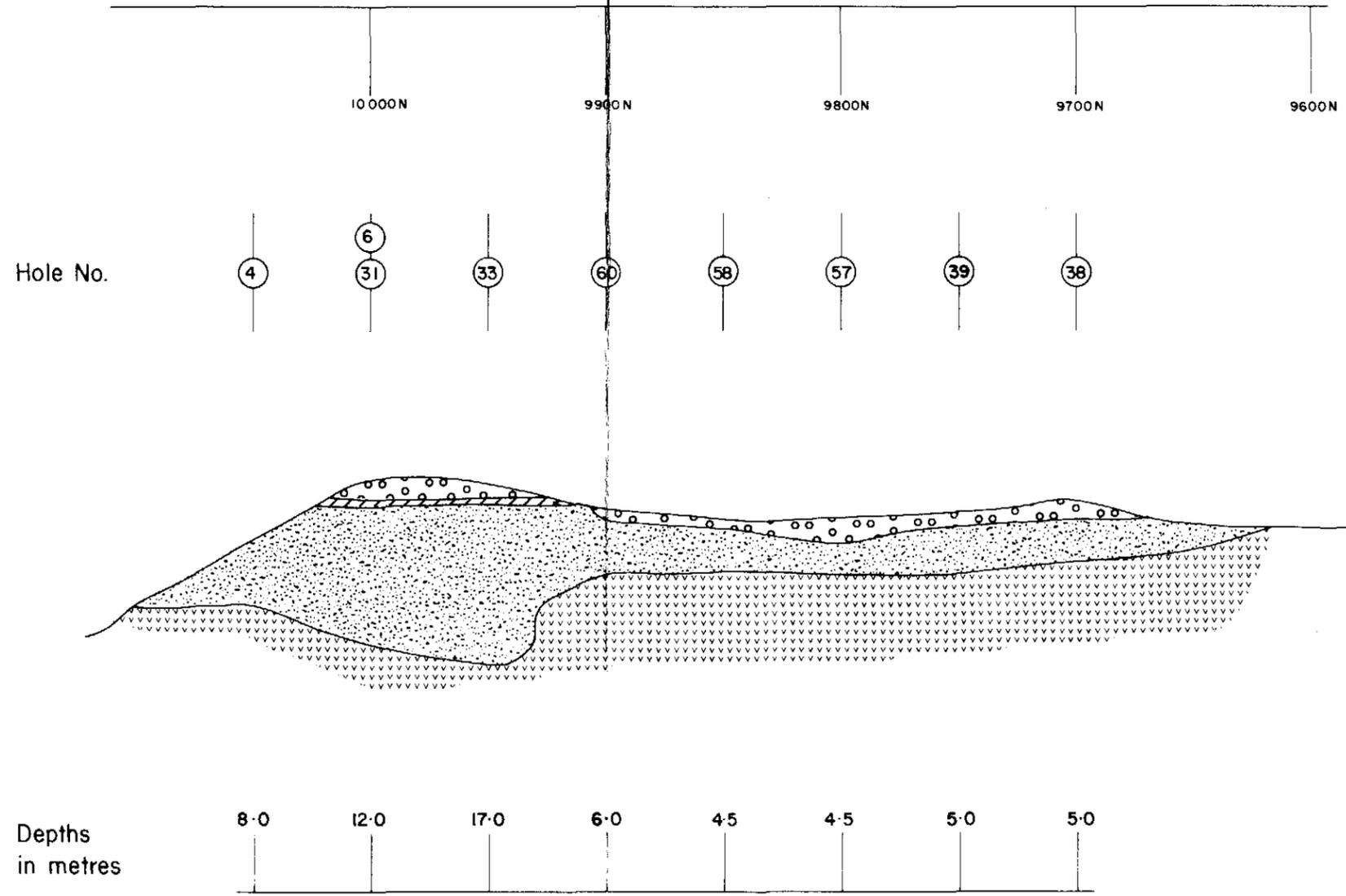
403



-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentine

| | |
|--|----------------|
| C A L L I N A N. L. | |
| Line 9750 E Vertical Profile | |
| H.S. = 1 : 2500 | V.S. = 1 : 500 |

Figure 8C

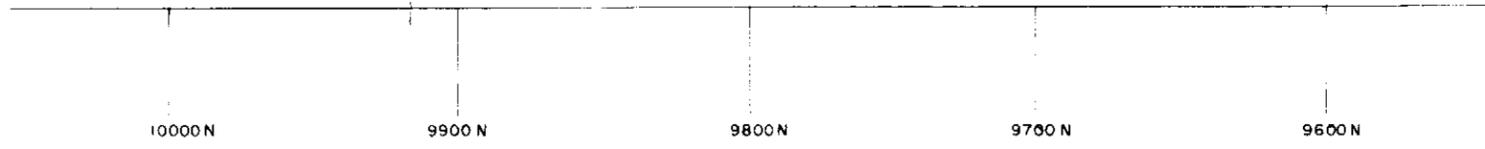


-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentinite

| | |
|---------------------|--------------|
| C A L L I N A N. L. | |
| Line 10000 E | |
| Vertical Profile | |
| H.S. = 1:2500 | V.S. = 1:500 |

5 cm

392



Hole No.

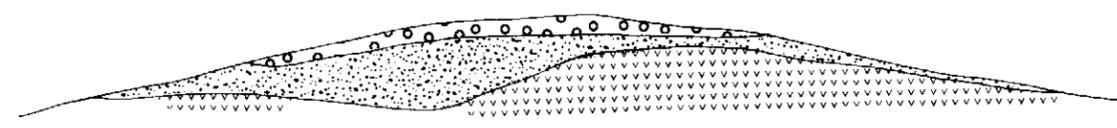
3

85

53

50

49



Depth in metres

1.5

6

3

1

0.5

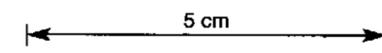
-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentinite

C A L L I N A N. L.

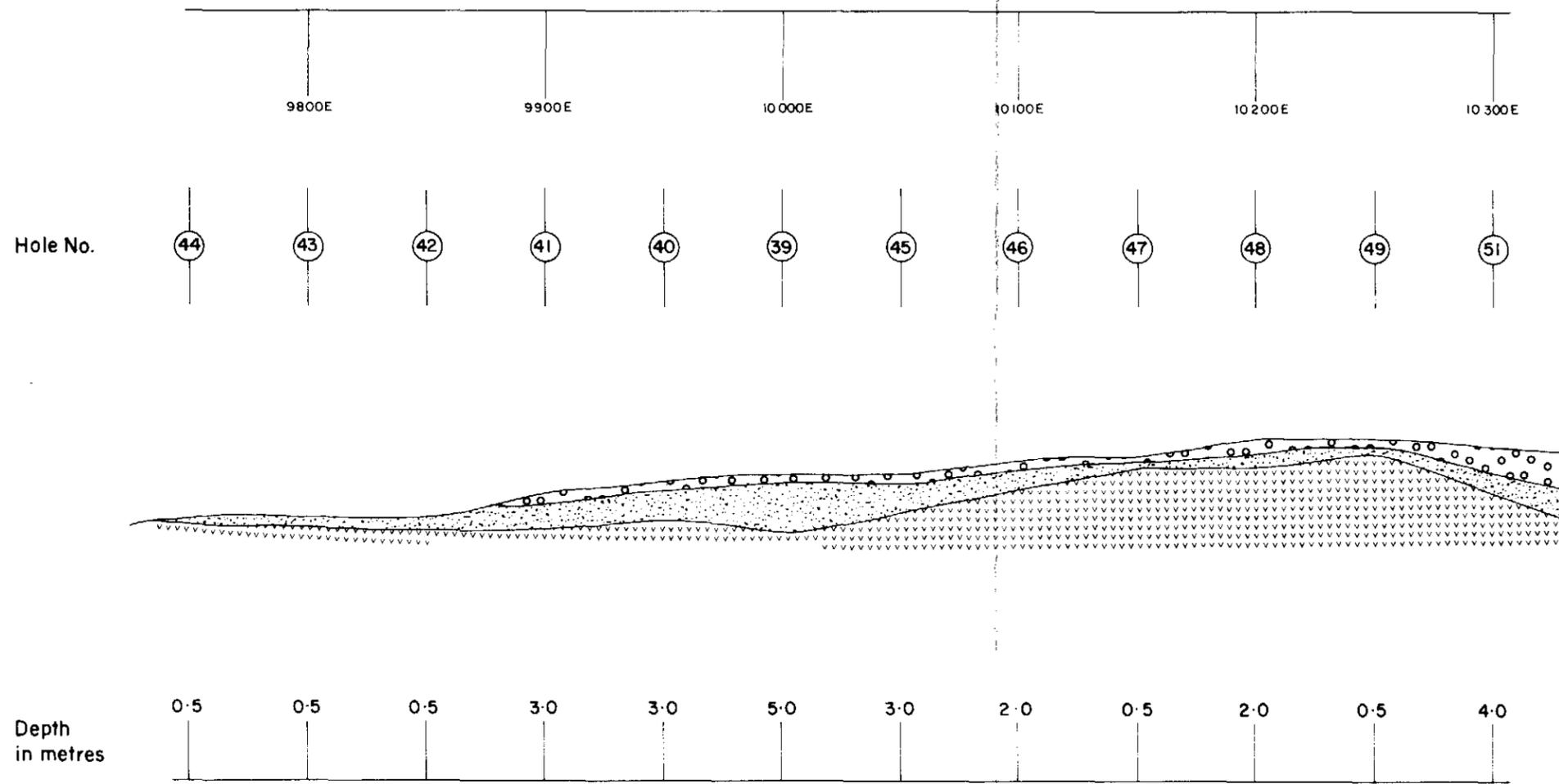
Line 10250E
Vertical Profile

H.S. = 1 : 2500

V.S. = 1 : 500



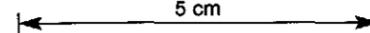
53



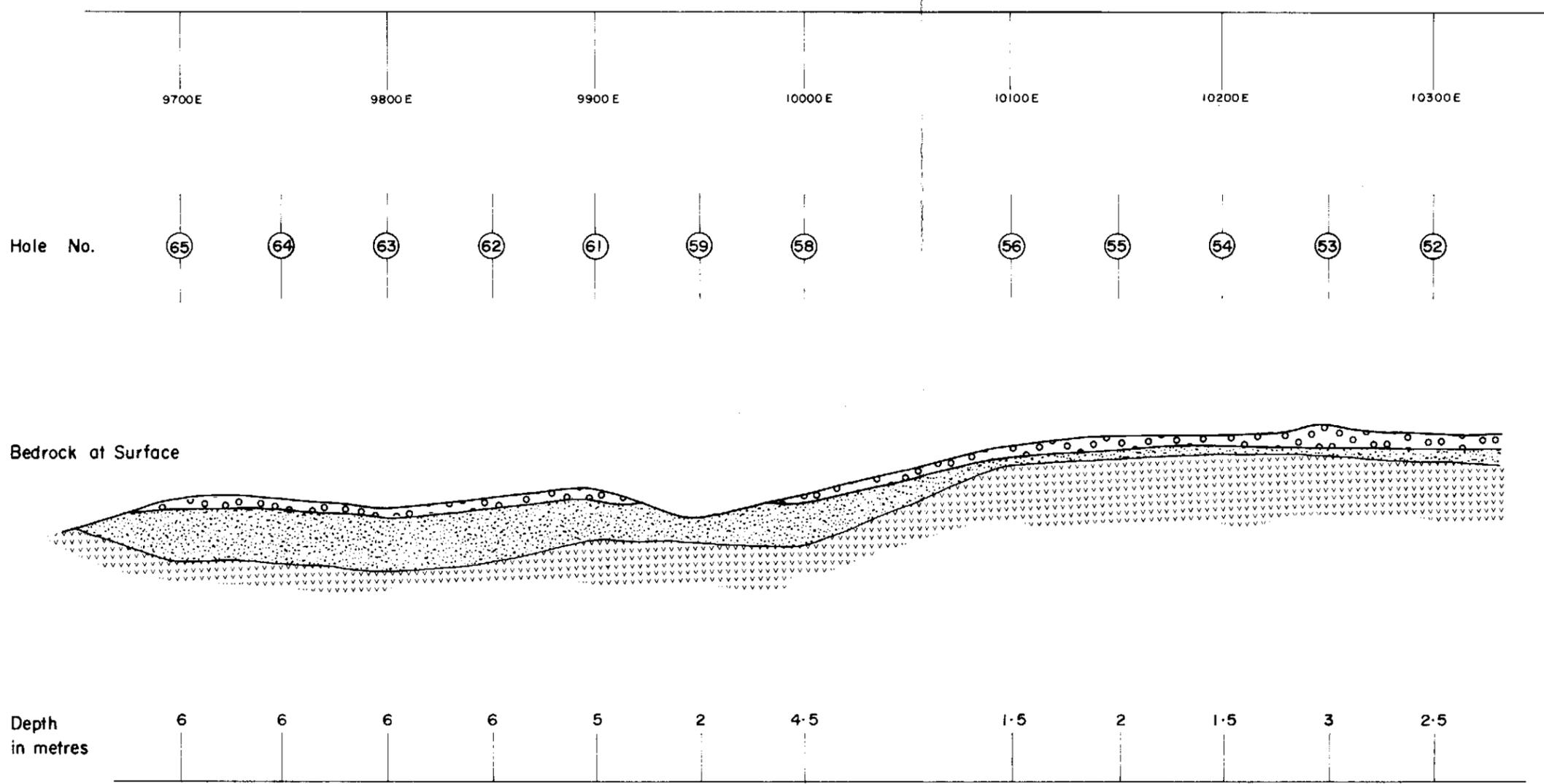
-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentinite

| | |
|---------------------|--------------|
| C A L L I N A N. L. | |
| Line 9 750N | |
| Vertical Profile | |
| H.S. = 1:2500 | V.S. = 1:500 |

5 cm



766

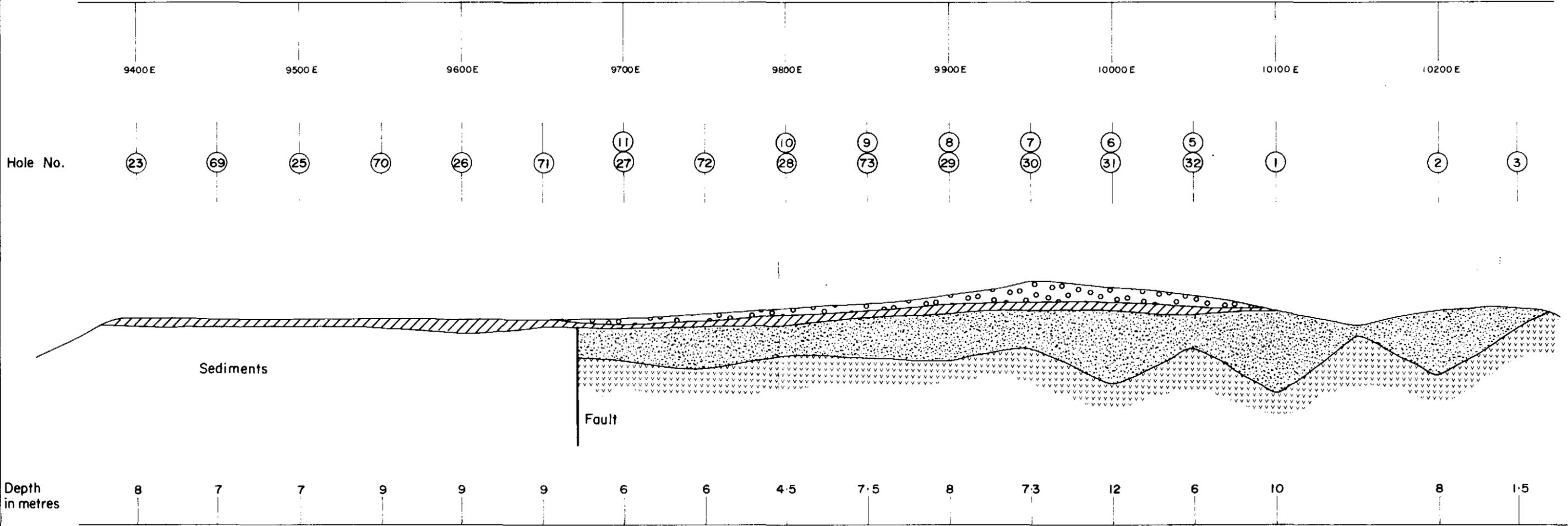


-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentinite

| | |
|---------------------|--------------|
| C A L L I N A N. L. | |
| Line 9850N | |
| Vertical Profile | |
| H.S. = 1:2500 | V.S. = 1:500 |

5 cm

868



-  Gravel
-  Hardcap
-  Clay
-  Sediments
-  Serpentinite

C A L L I N A N. L.

Line 10000N
Vertical Profile

H.S. = 1: 2500 V.S. = 1: 500

5 cm

966

845405

9400E

9500E

9600E

9700E

9800E

9900E

10000E

Hole No.

24

21

20

19

17

16

15

14

81

13

83

76

75

Sediments

Fault

Depth
in metres

3.2

10.2

4.5

4.5

10.0

3.0

7.0

5.0

4.0

4.5



Gravel

Hardcap

Clay

Sediments

Serpentinite

5 cm

C A L L I N A N L

Line 10 100 N
Vertical Profile

H.S. = 1 : 2500

V.S. = 1 : 500

Figure 81