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REPORT ON INVESTIGATIONS WITHIN
EXPLORATION LICENCE 4/61
WEST COAST, TASMANIA

NO OPEN FILE

BY

R.W. ANNETT, C.H.C. SHANNON, L. VANZINO

AUGUST 1986

VOLUME 1

SAVAGE RESOURCES LIMITED
Incorporated in Tasmania

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REPORT ON FIELD INVESTIGATIONS WITHIN
EXPLORATION LICENCE 4/61
WEST COAST, TASMANIA

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R.W. ANNETT, C.H.C. SHANNON, L. VANZINO

VOLUME I

SAVAGE RESOURCES LIMITED
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A. GENERAL INFORMATION

During the period under review the field team was based at the Company's house at the Savage River Township.

Personnel

Savage Resource's exploration personnel who were engaged on the licence during the period included:

| | |
|-------------------------|-------------------|
| Henry Shannon | Senior Geologist |
| Robert Annett | Project Geologist |
| Luke Vanzino | Field Geologist |
| Casual Field Assistants | |

Contractors

| | |
|----------------------------------|--------------|
| Analabs | Assays |
| Amdel | Assays |
| Joe Horak | Line Cutting |
| Nick Poltock | Drilling |
| Solo Geophysics | Geophysics |
| Barnards Farm Equipment | Bulldozing |
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B. SUMMARY

A combination of mining history and stream sediment sampling has led to the conclusion that bedrock sources of gold are restricted to the Bowry Formation and the immediately adjacent beds of the Oonah Formation.

There are other areas of gold production outside the Bowry plus basal Oonah zone but all are in situations where all the gold can be classed as reworked gold with a proximate source in the Brown Plain Formation.

Two exploration philosophies have been followed:

- (i) Gold areas show a linkage to the magnetite exemplified by the relations of Specimen Reef, Golden Ridge and Rocky River gold fields.
- (ii) Gold is a secondary expression of a primary gold source related to the chemical/exhalative suite of rocks characteristic of the Bowry but particularly the lower beds, e.g. Fiddlesticks Prospect and part of the Davis Creek Prospect.

Soil and rock chip sampling completed during the last year has defined:

- (i) Golden Ridge, expectations of an ore vein sub-outcropping were negated by disappointing gold returns.
- (ii) Specimen Reef, a gold-magnetite association may be in evidence just east of the pipeline road where an intense magnetitic anomaly has flanking support from enhanced geochemistry.
- (iii) Fiddlesticks, patchy gold registrations within zones of enriched geochemistry are somewhat encouraging.
- (iv) Davis Creek, golds in an amphibolite lying adjacent to the quartz-ironstone ridge are highly anomalous.

Heavy mineral stream sediment sampling has confirmed:

- (i) Breakneck Creek, the samples taken showed visual evidence that the tin source was Brown Plain Formation related and came from ground now held by E.Z.

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- (ii) Supergrunt, samples taken in the field apparently contained modest amounts of wolframite, but when no wolframite was reported in a consultant's report work in the area stopped.
- (iii) Davis Creek, although a classic placer trail for gold was not evident results detailed an area of ground for follow-up soil sampling. Six samples contained visible specks/nuggets of gold.

Some features of the Cape Copper Mine noted by Twelvetrees (1900) were found. Two samples of the crush zone material, a graphitic schist with amounts of shattered vein material, returned poor values. Interest in this project lies in a sample of intrusive amphibolites returning 0.300 ppm gold.

Geophysics was used for the first time in many years. Ground magnetics and Time Domain I.P. have defined coincident anomalies at the Rocky River Arsenic Prospect. Ground magnetics at Davis Creek confirmed a swing in the geological strike and re-emergence of magnetite bearing schists from the post Permian fault. A few trial ground magnetic lines at the Northern Copper Anomaly revealed some useful trends.

Interest in the Magnesite Project was revived late in the field season in response to a proposal for use of the deposit as a paper filler. Work has been proceeding with the object of defining the deposit to retention area status.

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E. INTRODUCTION

This report reviews the field program undertaken in Exploration Licence 4/61, Savage River (E.L. 4/61), 70 kilometres south-west of Burnie in north-western Tasmania, during the summer field season of 1985-1986.

Stream sediment sampling recommenced in January 1986 as an extension to the previous years program, and emphasis was again placed on the panned heavy mineral concentrate. Detailed stream sediment sampling was conducted to better define:

- (i) alluvial gold in Davis Creek and nearby unnamed water courses.
- (ii) the substantial tungsten anomaly at Supergrunt.
- (iii) an isolated tin high within Breakneck Creek.

Surveyed grids were established or existing grids enlarged to extend soil sampling programs at:

- (i) Golden Ridge, to confirm the high gold value as possibly being on the sub-outcrop of an auriferous cross-cutting vein.
- (ii) Fiddlesticks, developed as an idea that Specimen Reef has a stratigraphic control.
- (iii) Specimen Reef, to determine a correlation between an extensive vein set and alteration found at a high level in drill hole SPC 6 and anomalous gold detected in soil sampling to the north-east.
- (iv) Davis Creek, established in conjunction with the Stream sediment program to define the source of the coarse grained alluvial gold.

Literature searches (and later field investigations) confirmed some of the aspects of the Cape Copper Mine but failed to reveal any information on an extensively prospected patch of ground, circa 1890, now termed Davis Creek Workings.

Geology was mapped along creek and track traverses as part of the work required to meet the Mines Department Retention Order Requirements for the Main Creek Magnesite Deposit.

011

Geophysical surveys, used for the first time since 1980-81, included ground magnetics and Time Domain I.P. at the Rocky River Arsenic Prospect and ground magnetics over part of the Northern Copper Anomaly.

1.0. STREAM SEDIMENT SAMPLING PROJECTS

1.1. Breakneck Creek Tin Prospect

In previous sampling the maximum tin value in a pan concentrate was discovered in Breakneck Creek and a small program of further sampling was undertaken with the aim of tracing the anomaly (Fig. 1.0.). A Brown Plain Formation source was suspected but it was possible that a carbonate hosted replacement style orebody could exist locally.

The samples taken showed visual evidence that the tin source was Brown Plain Formation related and came from ground now held by E.Z. In the creeks with the greatest visual cassiterite (which includes red, yellow and parti-coloured varieties) there is also an abundance of rounded quartz pebbles which in this context confirms Brown Plain Formation cover in the local catchment. Traces of pyrrhotite are found in two samples.

The prospect will not be pursued further.

1.2. Supergrunt Prospect

Previous stream sediment sampling had turned up a strong pan concentrate wolframite anomaly. Work this season was intended to confirm and extend the anomalous area and test any relationship to an oval shaped, subtle to illusory vegetation anomaly (Fig. 1.0.).

Samples taken in the field apparently contained modest amounts of wolframite noticeable as a dark brown, resinous lustre, flat mineral which panned out with monazite. But no wolframite was reported in the consultant's report even where the creek with the original anomalous sample was repeat sampled. Examination of the vegetation feature showed outcrops typical of the marginal phases of the Meredith Granite. Outcrop free ground was more common than usual in a belt inside the chilled margin but not more so inside the vegetation feature than outside it. It is possible that wolframite is associated with an alteration stockwork but the non-confirmation of the "wolframite" brought work in the area to a halt.

Consultant's reports are in appendix 1.2. Perhaps some of the iron oxides in the consultant's table are altered wolframite. The previous wolframite determinations, by the same consultant include HM 112, accessory, spongy iron rich wolframite; HM 332 minor tabular wolframite. An analysis of this rather small sample gave a strong tungsten anomaly.

2. SPECIMEN REEF

Interest was drawn to the north-eastern area of the prospect (11.2 - 11.3N), between Kayser's Creek and the Pipeline Road, when high soil gold values were detected along strike from adit No. 5, a small working testing a 'line of mineralisation' well to the east of the main Specimen Reef. Evidence of a vein set, splitting and migrating to the east, was seen in drill hole SPC 6 which, when reassays were ordered in the winter recess, returned traces of gold.

Soil samples reassayed in this check rekindled some interest in an area adjacent to the upper reaches of Specimen Creek, along the trace of Specimen Reef.

Some of the previous year's grid was resurveyed and sampled in greater detail. Additional lines were cut and sampled generally at 10 metres but closing in to 5 metres within areas of interest. 151 soil samples were collected. (Fig. 2.0.)

Although past geophysical surveys have produced data confusing to interpret and attempts to drill geophysical targets have met with little success, ground magnetic (total field) readings were taken in the immediate area of interest to outline any stratigraphic feature.

Multielement geochemistry reveals several trends and element associations. A strong Copper-Lead - Gold association is noteworthy with flanking high arsenic and zinc. Elevated trends follow the approximate strike of the rocks, namely north-south, and reveal two, perhaps three zones of enrichment. Geochemical anomalies have been well defined.

Magnetic data reveals a very intense, narrow, subcrop feature extending the length of the grid. Data is limited due in part to the removal of some readings considered 'noisy' and attributable to the Savage River Pipeline and Pipeline Road. The anomalies all have a similar shape, consistent with relatively thin, shallow, strongly magnetic, sub-vertical bodies - probably of magnetite. (Fig. 2.1.)

015

The magnetic anomaly trends north-south and is flanked by zones of geochemical enhancement. The anomaly is open to the north, readings to the south of line 11200N are a little suspect.

The distribution of gold in E.L. 4/61 suggests a gold - magnetite association. Another such occurrence of this association may be in evidence just east of the pipeline road where the intense magnetic anomaly (probably magnetite) has flanking support from enhanced geochemistry. The absence of sustained high gold values is not too worrying considering the lack of a gold halo around significant gold mineralisation seen in drill core from SPC 1.

016

3. GOLDEN RIDGE PROSPECT

Only one regolith sample at the base of a steeply rising ridge, adjacent to the projection of Cox's Formation returned a sufficiently anomalous gold value for follow-up work. (Fig. 3.0.)

The grid was extended to the south, soils, bedrock and panned heavy mineral concentrates were collected to test the possibility that the peak gold value was on the sub-outcrop of an ore vein impacting into the side of the ridge.

Results were disappointing, the original high gold value not repeating, the exercise confirming the loaming as a means of concentrating gold prior to assay.

Both surface and sub-surface sampling of the Cox's Formation confirmed what the old miners had probably previously established, that there is little or no stratigraphic control to the gold occurrences at Golden Ridge.

Emphasis placed on the presence of chromite in a panned heavy mineral concentrate (H.M. 355) suggests a Brown Plain Gravel origin for the gold. However a massive concentrating of gold must have occurred, from vast thickness' of gravels now not seen, to explain the richness of the field.

The likelihood of the gold being transported over large distances is unrealistic and a local source, as yet undetected is presumed. The gold may have been derived from the nearby Bowry Formation, concentrated within a palaeo - erosion surface and subsequently reworked and partly dispersed into the present drainage system.

017
4. FIDDLESTICKS PROSPECT

The construction of the Rocky River Road from the Whyte River crossing east to an area of Button Grass Plain provided, apart from good access to the south-eastern portion of E.L. 4/61, the first geochemical reconnaissance of the Bowry Formation.

Subsequent geochemical plots placed the Bowry-Oonah contact accurately, while elevated copper, zinc and silver values, perhaps lying within a sequence of volcanics and chemical 'exhalative' sediments, defined a prospective horizon for sulphide mineralisation. There is a further possibility of gold mineralisation as this area is stratigraphically equivalent to Specimen Reef.

Check assays on some of the original Rocky River splits, previously analysed for gold using an insensitive method, returned a 0.04 ppm gold value (B1300) within the prospective horizon (App. 7.2.).

Stepping out from the road traverse, to the north and south, four grid lines were cut, 107 soil samples were collected (Fig. 4.0.).

A copper-lead and a weaker lead-arsenic association is evident. High elemental values are somewhat patchy often not repeating on adjacent lines making trends difficult to see. Copper is the only element displaying a good distribution pattern with anomalous horizons, trending approximately north-south, crossing the entire grid. Zinc shows a slight enrichment in the western side but with little support from any other element.

Gold responses are in a form somewhat typical of the area, as patchy high values peripheral to horizons of base metal enrichment. Sustained registrations of gold centre at B1300 and extend some 25 metres north, values include 0.12, 0.06 and 0.05ppm.

Previous interest has been shown in this area, old prospecting costeans and worked creek beds suggest miners tracing alluvial gold up and into this area.

018

5. DAVIS CREEK PROSPECT

5.1. Stream Sediment Sampling

The previous year's cluster of pan sample gold results (H.M. 349-352), centred on Davis Creek North and Broderick Creek, was the most convincing gold result in the stream sediment program.

An additional 17 panned samples were collected in the immediate catchment area surrounding these samples (Fig. 5.0.). The method of sampling was unchanged.

Assessment of the gold content in the panned heavy mineral concentrate determined the positioning of the soil sampling grid. In order to speed-up this decision the lengthy extraction of gold by a mercury amalgamation method was substituted by an aqua regia - AAS determination. Not all 'sludge fractions' were analysed (App. 1.1.).

Although a classic placer trail for gold was not evident results indicated an area of ground between Jaffa Creek (named this year) and the headwaters of Davis Creek to be of interest. Six samples contained visible specks of gold.

5.2. Soil Sampling

The grid was constructed around a previous reconnaissance line, 12.0N found to be slightly adrift by 25m from its true AMG northing position. Lines were cut at 100m spacings north-south (11.8N - 12.4N), and of various lengths east-west between the Permian-Bowry Member faulted contact and the Pipeline Road.

Soil samples (C horizon) were collected at 10m intervals, reducing to 5m within areas of interest. Most of the 408 samples were obtained using a 1.5m hand auger, some required a Stihl power auger to penetrate occasional thickness's of residual quartz (Fig. 5.1.)

019

During the construction of the grid an extensively prospected patch of ground was discovered. Literature searches failed to find any mention of these adits, pits and costeans now termed Davis Creek Workings.

Sample preparation included whole rock pulping to avoid any preferential removal of gold through sieving, this method has a tendency to subdue base metal responses.

Copper consistently registers and, of all the analysed base metals, reveals the strongest trends. Zones of copper enrichment extend, in an approximately north-south direction the entire length of the grid. Absolute values peak at 435 ppm supported by \times Pb and 55 Zn, however the second highest copper value of 420 ppm has 560 Pb and 280 Zn showing the somewhat erratic nature of the latter two elements. The sudden drop in copper values on the extreme western edge of lines 11.8 - 12.0N may reflect an underlying pitted gossanous quartz rock, although copper values from a subsequent rock chip program in that area do not reflect such low copper values. Moderately anomalous gold clusters appear to lie between copper rich zones (Fig. 5.2.).

Lead values are generally low. Sustained registrations in the south-east portion of the grid, including lead's highest value of 560 ppm, correspond to two or perhaps three zones of copper enrichment. The most consistent copper trend has slight support along some of its strike length from lead (Fig. 5.3.).

Zinc occasionally supports other registrations of base metals, its somewhat erratic distribution masking any useful trends. Two zones of enrichment are pronounced, one supporting lead in the south-east, the second just west of the baseline between 12.3 and 12.4N. Above background zinc values appear to lie peripheral to the gold occurrences (Fig. 5.4.).

Arsenic trends are visibly different. Most are discrete, well-defined zones of enrichment with very anomalous core values trending east of north. Some of the gold clusters are well covered by arsenic while other gold occurrences are notably arsenic depleted (Fig. 5.5.).

020

Gold responses are generally patchy, although noteworthy at five localities. The highest value of 1.68 ppm, a sample of weathered quartz-ironstone taken directly above adit No. 2, is well above anything previous, while the other high values from each locality are of interest, namely, .320, .120, .062 & .031 ppm (Fig. 5.6.).

5.3. Rock Chip Sampling

Mining activities at the Davis Creek Workings probably began in the 1890's during the construction of the nearby Specimen Reef Water Race. Labourers and Prospectors with panning dish and pick at hand may well have thought the source of local alluvial gold lay in the ridge-forming, gossanous iron-rich quartz-rock.

Main features of the Workings include two sets of underground diggings termed upper and lower adits, a number of pits which when freshly dug probably extended down several metres and numerous narrow costeans extending right across the ridge top.

A reconstruction of mining events would start with the construction of the water-race, which when operational would have provided abundant water for the sluicing of the nearby creeks. Costeaming of the gossanous quartz-rock, thought to be the source of the alluvial gold, would then have followed. A trial underground testing of the rock produced the upper adit followed later by the more extensive diggings of the lower adit.

A weathered bed-rock sample (11.9N 51390E) collected over the upper adit, returning 1.68 ppm gold, provided the stimulus for a more thorough investigation of the workings. Where possible costeans and pits were reopened and sampled, underground workings were channel sampled. Obvious B-clay material at the bottom of some costeans was penetrated using a hand auger, amounts of weathered rock material from a number of auger holes over 5m constituting one sample (Fig. 5.7.).

The majority of samples returned registrations of gold. A well defined, discrete horizon of gold enrichment is contained by poorer gold values from samples collected within the surrounding water races and workings north of, and including, the lower adit. Not including a laboratory 'sample swop' higher grades include 3m @ 0.6 ppm, 5m @ 0.2 ppm, 4m @ .27 ppm and 5m @ .13 ppm gold (Fig. 5.8.).

021

5.4. Ground Magnetism & Geology

The ground magnetism survey was not run over the entire grid, field operators effectively screening out areas where magnetic data appeared meaningless owing to extreme magnetic variances over small distances. This tended to remove the last hundred metres of line on the western portion of the grid, an area where magnetic data would have been most useful. The data is at best highly changeable but significant trends are apparent. Two broad zones are evident their contact trending north-east cutting the grid into approximately two equal halves (Fig. 5.9.).

To the east the magnetic data is less changeable and a subdued magnetic relief is evident. This is in part reflected in the underlying geology consisting mainly of chlorite-muscovite schists with interbeds of fine grained metasediments and sandstones. A magnetic anomaly on the eastern edge of the two regional lines, 12.0 and 12.3N, confirms a general north-easterly trend for this area.

The western portion is more complex and may represent that part of the Bowry Member where chemically precipitated sediments are predominant. Magnetic activity is intense, broad anomalies of considerable width can be traced north-easterly over several hundreds of metres, while more narrow very acute anomalies are shortlived. This signature more than probably represents a number of magnetic lenses fading in and out, as suggested by a highly weathered banded haematite rock (after magnetite) outcropping near line 12.2N.

An outcrop of blocky, non-schistose amphibolite (dyke rock) in Davis Creek explains both the north-south cross-cutting magnetic feature on lines 12.0 - 12.2N and the perfectly coinciding strong copper in soil geochemistry.

Further amphibolites to the west were not covered by the ground magnetic survey.

5.5. Conclusions

A major swing in the geological strike is apparent. From north-westerly around Specimen Creek to a north-easterly strike at Davis Creek.

The strongly magnetitic western half of the grid could represent a re-emergence from the post-Permian fault of magnetite bearing schists last seen in the Specimen Creek area.

Gold enrichment at the Davis Creek Workings is evident but surprising. The gossanous quartz rock returning less gold registrations than the adjacent amphibolite, although the fractured nature of the former may lend itself to greater attack by humic acids ensuring surface gold depletion.

Gold in the amphibolite are highly anomalous. Only a small area has so far been sampled but there is every possibility that strike extensions exist. Geological mapping has confirmed the presence of more than one amphibolite (dyke) body.

6. MAIN CREEK MAGNESITE PROSPECT

6.1. Introduction

Interest in the magnesite project was revived late in the field season in response to a proposal for use of the deposit as a paper filler (substituting for barite or calcite). This use depends on the material meeting criteria of whiteness and grindability which may be most easily satisfied by the Western portion of the deposit, but all bar the grey magnesite facies of MC 27 may prove useable. The proposed use is independent of the chemical problems which limit the refractory option to the long term, particularly when the marketing situation is also adverse.

Work has been proceeding with the object of defining the deposit to retention area status, with long term refractory use in mind. Survey traverses are being connected in a network of loops with closures adjusted. But the present need is for a comprehensive and intelligible summary of the work done already so that a start can be made in the event of the paper filler use coming off, perhaps as soon as next year. So maps and sections of the data as is have been prepared and interpreted.

The summary achieved also makes gaps in the present information net visible and so defines what is necessary to complete coverage of the deposit.

Some interest has also developed in the residual deposits which contribute to the overburden cover. The residual silica sand is of similar origin to the sand near Corinna which is now being exported for use in high grade optical glass, although since the underlying carbonate at Main Creek is relatively high in iron the corresponding sand is not likely to match the quality of the Corinna material.

The porous ochres may have application as pigments. Ochre may cover the magnesite to depths up to 15m and colour is typically uniform in each locality. A range of colours is available from different sources in the area including a deep purplish brown and a yellow which virtually painted the landscape during the drilling of MC 24. Medium brown shades are the most common.

6.2. Summary of Work Done

Field work on the magnesite project this season included a successful trial of the Wacker device for testing overburden depth and field mapping of the principal creek sections of Main Creek and Bowry Creek, with linking road and cross country traverses to provide loop closures. Office work included preparation of a new set of base plans and sections at 1:1000 scale, and plotting of new and old data at this common scale. The new compilation has been used for geological interpretation of the plans and the drillhole sections. The detail is enough to infer the outline of most of the Main Creek deposit and the distribution of greenschist markers within it.

Wacker

Geochemical data has been recalculated to allow comparison of the C.S.I.R.O. mineral-based scanning electron microscope determinations with the older chemical analyses from the MC 1 and MC 2 drillholes. The chemical variation within the deposit has been traced between drillholes matching the properly defined stratigraphic intervals.

6.3. The Data Standard Problem

The magnesite project prior to metrification and interpretation has been hampered by lack of common scale plans and drillhole sections. This season a comprehensive replotting was begun with the object of compiling all the drilling and traverse data on to a map and sections at a common scale of 1:1000.

A base plan was completed by T.G.D.S. from the 1:15,840 series maps with metrification of contours and transfer of the A.M.G. grid from the provisional edition 1:50,000 Corinna map.

6.4. Surface Survey

The value of detailed surface mapping of the admittedly meagre surface outcrop has been overlooked, in common with many projects which get into drilling early on. This season a start was made on accurate survey of all known magnesite outcrops, but the work was not completed, so except for the B13 outcrop isolated outcrops are only sketched in.

Wacker
not complete

025

The new traverse data comprises creek sections south of DDH MC 1 and road traverse south of DDH MC 2 along Main Creek. Other traverse data is from previous work replotted to 1:1000 scale without loop closures. North of 00400m the map is a sketch with base plan control and road and creek, traverse cover north and west of MC 1 is incomplete.

Location of the traverse data was by best fit to the new 1:1000 base map a process which exposed the overgeneralisation of creeks in the original mapping. The critical south-west reach of Main Creek where the best magnesite exposure occurs is shown as barely 100m long whereas direct measurement shows it to be 200m long.

6.5. Geology

6.5.1. Surface expression of the magnesite body.

Outcrop of magnesite is restricted to creek beds and their near vicinity. The small karst area comes closest to being an exception. Away from the creeks the magnesite can be traced with confidence in road sections where diagnostic residual deposits (porous ochre; spongy quartz and silica sand) are to be found and with less confidence where there is talus breccia in anomalous locations.

The original bedding is etched out distinctly in many outcrops, but it needs care to distinguish true bedding from joint sets which simulate bedding and are usually more prominent.

The Main Creek creek section is nearly continuous below DDH MC 2 down to the next bend and it can be continued through the karst area. Further downstream outcrop is more sporadic but does include three aligned outcrops of greenschist marker 5 which provide security for the intercepted subvertical, 320 degree trend. Also a rare outcrop of the 9/10 carbonate bed, and a fix on the western margin of the deposit. A number of contacts between greenschist and magnesite rock are exposed which are typically wavy or otherwise complex so that they are

026

of less use than might be expected for dip and strike determination. In one case a lobate protrusion on the west side of marker 5 is interpreted as a load cast, partly by comparison with more convincing examples seen in the Bowry Creek creek section. From the load casts it can be deduced that the local strata have an east is up facing and that in the original state the greenschists were sands and the magnesite a carbonate mud.

6.5.2. The Bowry Creek deposit

The Bowry Creek creek section was mapped in detail to reveal a strike width for the magnesite belt of about 300m. Porous ochre exposures in the road section extend this width a further 50m. There is a change in the character of the section at a prominent greenschist bed (possibly marker 7) such that the more westerly 100m appears to be good quality material whereas the remainder contains obvious quartz and indications of high iron content. A synthesis of the information available has not been attempted yet since the base plan has not been prepared and more important data needs to be collected first, such as on the outcrops near sample B1 (Fig. 6.3., South edge) which is of particularly good quality and whiteness.

The probable major structure for the Bowry Creek/Long Plains South area of E.L. 4/61 is shown on the new revision of the 1:50,000 Geology Interpretation map, (Fig. 10.0.) which accounts for the pinchout of the magnesite body in road sections on the divides north and south of Bowry Creek. The structure is an anticlinal lobe cut off against the fault. In this situation the better quality western beds are the last to come out of the fault and the first to go back in to it, and the indications are that their subcrop will not reach 1 km strike length, which is unfortunate since extrapolation of the quality trends from the Main Creek lens suggest that the best quality magnesite would be in this area.

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6.5.3. Long Plains South

The magnesite beds associated with the Long Plains magnetite body now appear to be separated from the major magnesite body of Bowry Creek by some 100+m of mainly amphibolite strata. The extremely high iron content is in line with the established west and east trend possibly exacerbated by proximity to magnetite.

6.5.4. Stratigraphic Interpretation

With the full set of drillhole profiles and the outcrop plan displayed it has proved possible to match up the greenschist interbeds within the dolomitic magnesite body, and so to infer with a fair degree of confidence the position of the western margin of the deposit (See maps, Fig. 6.1., 6.2., 6.3.) ~~not true!~~ including the three cases where the drillholes fall short of penetrating the whole deposit. It is not surprising that the greenschist beds should tend to persistence since the intervening carbonate deposit required prolonged stability with minimal input of detrital sediment. The greenschists represent incursions of detritus (some possibly tuffaceous) interrupting the carbonate deposition process.

Although the thickness of carbonate bearing interval does not thin by much the greenschists are thicker and more frequent at the MC 27 section (Fig. 6.8.) in the north of the Main Creek lens, which indicates approach to the limit of carbonate facies deposition. Four kilometres northwards at the S.R.M. central pit the magnesite disappears but another substantial deposit reappears in the same portion of the sequence with exposure in the Savage River.

The markers most useful in establishing correlation are the cluster 5/6/7 which is also readily observed in the Main Creek exposures (Fig. 6.2.), and the 2/3 cluster. Elements of the marker 2 cluster tend to disappear in the south.

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The dolomitic zones in the magnesite body do not correlate so well. They tend to occur mostly in the more easterly half of the deposit. For the western third of the deposit drillhole data is not sufficient but the known dolomite zones appear to be associated with a thinning out of the deposit.

6.5.5. Notes on Petrology and Geochemistry

High dolomite content is associated loosely with higher silica content, and/or the vicinity of intrusive vein sets, (often containing minor calcite and magnetite), talc bearing magnesite rock (also related to the intrusive veins) and in zones marginal to greenschist bands. The western low iron portion of the deposit is largely free of high dolomite zones. Those that do occur (at depth in Mc 27) are near the assumed edge of the deposit where the effect of proximity to greenschist is increased. Iron content also tends to go up near the margins of each magnesite bed. These trends are noted by Frost et. al. The major trend in iron content of the magnesite is reduction east to west and north to south with a tendency to step down at marker 4 and at marker 7. The trends are obscured by a tendency to local reduction of whole rock iron content in dolomitic zones.

There is a typical 2-phase texture to be seen in core or hand specimen. Most of the dolomite component of the magnesite rock takes the form of a ramifying network of relatively grey coarsely crystalline dolomite isolating islands of relatively white finely crystalline magnesite. There is a progressive development of the dolomite net from crackle veins present in the grey magnesite facies of Mc 27. This high iron/low dolomite facies is the least metamorphosed yet encountered, and resembles hand specimen material from Arthur River (the Mineral Holdings/C.R.A. deposit). The whiter forms of magnesite are associated with at least minor development of the coarser dolomite net.

Talc develops by reaction between quartz and magnesite so that high talc samples are often quartz free (see Frost et. al.).

6.5.6. Drillhole Profiles

MC 2 is the most southerly drillhole (Fig. 6.4.). Both it and MC 1, 180m north have no core bedding angles recorded in the original logs (see Fig. 6.6.). The surviving core is shattered and incomplete but could probably yield some core bedding/schistosity angles, but MC 2 can be matched readily with the nearby creek section and the surface and drillhole plots consistently support vertical dip overall. For MC 1/ MC 2 some variability in thickness of matching intercepts probably reflects minor folding of the style seen in the MC 27 profile (Fig. 6.8.). So the better approximation to true thickness of each magnesite bed would be the thinner of the matching intervals.

Marker 4y in MC 2 is not recorded in the log but is clearly expressed by the presence of A1 in the assay.

Marker 2 is inferred to have disappeared in MC 1, with its place occupied by an expansion of the dolomitic bed 2/2a. A cut and fill structure would account for it.

MC 28 is a short hole which does not intersect any of the better grade portions of the deposit (see Fig. 6.7.). It does provide structural control for a profile otherwise based on road section information.

MC 27 completely penetrates the magnesite belt to enter magnetite bearing rocks equated with the ore beds at Savage River Mine.

Creek section exposures overlap with the start and finish of the hole. In the interpretation it has been necessary to separate a west dipping slaty cleavage from bedding plane cleavage. The structure includes a flexure which causes marker 6/7 to be penetrated at a highly oblique angle. The rapid pinchout at depth of magnesite beds below marker 7 is a necessary consequence of the match of the last magnesite bed in the bore with the surveyed outcrop B13 (Fig. 6.1., west).

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For the rock down to 100m surface samples are more reliable than the drillhole samples, since the drillhole is in atypical strata. This hole is the only one to indicate approach to the limit of the magnesite body.

6.5.7. Synthesis of Stratigraphic and Composition Data

Progress on the data is shown in the drillhole logs and assay tables in appendix 8, in which the stratigraphic interpretation is edited into the data tables. The source C.S.I.R.O. data tables required extensive processing to extract the relevant information. The tables of magnesite/dolomite percentages and compositions for MC 27 and MC 28 show the end product of notionally perfect physical separation of the carbonates. From the ratio factors determined it may prove possible to work out the notional end product of physical separation for the other drillholes.

The following table shows the variation between all the drillholes of whole rock composition for each stratigraphic unit within the magnesite body.

TABLE 6.1.

MAIN CREEK DRILLING:- COMPARISON OF ASSAYS FROM CORRESPONDING STRATIGRAPHIC INTERVALS

Drillholes in order South to North.

| | MC 2 | MC 1 | MC 28 | MC 27 |
|--|-------|------------|-------------|-------|
| Dolomite/magnesite 0/1 (top at E margin of the deposit; base at greenschist marker 1.) | | | | |
| Intercept 22';6.7m | | | cavity fill | |
| | | 106';32.3m | | 4.7m |
| MgO | 25.18 | 24.92 | --- | 44.16 |
| CaO | 22.49 | 24.32 | --- | 1.99 |
| Fe ₂ O ₃ | 2.20 | 2.06 | --- | 2.57 |
| Fe | 1.54 | 1.44 | --- | 1.80 |
| SiO ₂ | 3.22 | 3.20 | --- | 0.98 |

Magnesite 1/2a (base at marker 2)

| | | | | |
|-----------|---------------|------------|----------------------|-------|
| Intercept | 301.75';82.6m | | 58.4m (not complete) | |
| | | 271';82.6m | | 36.5m |
| MgO | 39.31 | 39.54 | 25.58 | 42.37 |
| CaO | 5.43 | 4.75 | 15.12 | 3.23 |
| Fe2O3 | 2.59 | 2.88 | 1.63 | 3.15 |
| Fe | 1.81 | 2.01 | 1.14 | 2.20 |
| SiO2 | 5.27 | 5.40 | 15.83 | 1.82 |

Dolomite/magnesite 2a/2 (base at marker 2)

| | | | | |
|-----------|------------|-----------|-------|-------|
| Intercept | 17.5';5.3m | | 8.4m | |
| | | 70';21.3m | | 0.6m |
| MgO | 30.14 | 26.0 | 30.00 | 29.30 |
| CaO | 12.37 | 19.0 | 15.22 | 10.35 |
| Fe2O3 | 1.30 | 1.23 | 3.26 | 5.41 |
| Fe | 0.91 | 0.86 | 2.28 | 3.78 |
| SiO2 | 12.37 | 10.33 | 6.21 | 11.0 |

Magnesite 2/3

| | | | | |
|-----------|-------------|-----------|-------|-------|
| Intercept | 60.5';18.4m | | 35.5m | |
| | | 68';20.7m | | 2.7m |
| MgO | 43.65 | 42.34 | 38.57 | 38.99 |
| CaO | 3.07 | 4.49 | 6.63 | 6.06 |
| Fe2O3 | 2.97 | 1.73 | 3.85 | 4.22 |
| Fe | 2.08 | 1.21 | 2.70 | 2.95 |
| SiO2 | 0.75 | 1.54 | 3.44 | 2.87 |

Magnesite 3/4

| | | | | |
|-----------|------------|------------|-----------------|-------|
| Intercept | 102';31.1m | | 0.4m (end hole) | |
| | | 100';30.5m | | 8.9m |
| MgO | 36.61 | 41.68 | --- | 40.33 |
| CaO | 5.51 | 4.94 | --- | 5.52 |
| Fe2O3 | 1.80 | 1.92 | --- | 2.75 |
| Fe | 1.26 | 1.34 | --- | 1.92 |
| SiO2 | 11.31 | 1.88 | --- | 1.92 |

Magnesite 4/4y
Intercept 60.25';18.4m

89.75';27.4m 5.6m

| | | | |
|-------|-------|-------|-------|
| MgO | 38.91 | 41.68 | 43.60 |
| CaO | 5.23 | 4.37 | 1.43 |
| Fe2O3 | 1.36 | 1.60 | 3.79 |
| Fe | 0.95 | 1.12 | 2.65 |
| SiO2 | 7.98 | 2.90 | 0.75 |

Magnesite 4y/5
Intercept 111';33.8m

166.5';50.7m 41.65m

| | | | |
|-------|-------|-------|-------|
| MgO | 42.27 | 43.57 | 35.15 |
| CaO | 5.45 | 4.12 | 11.74 |
| Fe2O3 | 1.11 | 1.15 | 2.62 |
| Fe | 0.78 | 0.80 | 1.83 |
| SiO2 | 1.07 | 1.94 | 2.15 |

Magnesite 5/6
Intercept 55.5';16.9m

62';18.9m 11.4m

| | | | |
|-------|-------|-------|-------|
| MgO | 44.91 | 42.23 | 36.60 |
| CaO | 2.95 | 5.26 | 9.57 |
| Fe2O3 | 1.22 | 0.98 | 2.39 |
| Fe | 0.85 | 0.68 | 1.67 |
| SiO2 | 1.07 | 1.94 | 2.15 |

Magnesite 6/7
Intercept 18.5';5.6m

7.5';2.2m (end of hole) 2.75m

| | | | |
|-------|-------|-----|-------|
| MgO | 39.78 | --- | 33.73 |
| CaO | 5.37 | --- | 14.50 |
| Fe2O3 | 1.24 | --- | 1.92 |
| Fe | 0.87 | --- | 1.34 |
| SiO2 | 3.54 | --- | 3.40 |

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Magnesite 7/9
 Intercept 73.25';22.3m (not complete; assay data to marker 8a
 6.7m short of end hole)

| | | |
|--------------------------------|-------|--------|
| | | 24.25m |
| MgO | 43.00 | 38.79 |
| CaO | 2.32 | 6.98 |
| Fe ₂ O ₃ | 0.88 | 1.53 |
| Fe | 0.62 | 1.07 |
| SiO ₂ | 2.96 | 3.64 |

Magnesite 9/10
 Intercept 3.2m

| | | |
|--------------------------------|-----|-------|
| MgO | --- | 30.14 |
| CaO | --- | 20.16 |
| Fe ₂ O ₃ | --- | 1.89 |
| Fe | --- | 1.32 |
| SiO ₂ | --- | 3.87 |

Magnesite 10/11 (ends at West edge of deposit)
 Intercept 13.2m

| | | |
|--------------------------------|--|-------|
| MgO | | 42.01 |
| CaO | | 5.31 |
| Fe ₂ O ₃ | | 1.40 |
| Fe | | 0.98 |
| SiO ₂ | | 1.54 |

6.5.8. Wacker Drilling

Holes MC 29, 30, 31, 32 were put down with the Wacker device, and are shown on the sections for MC 1 (Fig. 6.6.) and 90m north of MC 2 (Fig. 6.5.). Each hole abruptly hit magnesite and retrieved a few chips or powder of fresh magnesite. The sample barrel retrieved distinctive weathering residues; sloppy white sand derived by disaggregation of the magnesite and/or the porous ochre overlying it. The sand layer accounts for some of the hole collapse problem found in the previous air blast drilling, particularly in the MC 1 section.

034

6.5.9. Silica Sand

Two samples of sands from MC 28 track were taken and analysed for impurities relevant to glassmaking use, with a check sample from the Corinna deposit (App. 6.0.). The results are suspect because of the high iron value (by optical glass standards) of the Corinna sample. Other samples from the Corinna deposit have Fe_2O_3 , less than 6ppm.

035

7. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. & ANALABS

7.1. Introduction

An effective geochemical exploration programme for gold requires an assay method of low detection limit which, while not necessarily of high accuracy, will detect any gold present. Recently returned gold assays appeared suspect for two reasons:

- (i) Gold was reported in the initial assays of Rocky River drill core splits, but disappeared when checks were requested.
- (ii) A check sample supplied by W.M.C. Ltd., known to contain approximately 0.3 ppm Au, was reported by Analabs as Below the Detection Limit.

Less direct evidence of a failing to detect gold can be suggested from:

- (iii) Gold was noticed in numerous stream sediment sample sites in the 1983/1984 field programme, but not reported in the analyses.
- (iv) Generally, for a known auriferous area, with numerous arsenic anomalies, the gold values are too poor.

Although typing errors, plain ordinary mixing of samples and equipment failings could explain some incorrect results splits of some of the pulps were sent to W.M.C. Ltd., Wendouree. Samples were chosen not just to solve scientific or contract laboratory problems but in areas of:

- (i) high arsenic, silver, gold or base metals.
- (ii) unusual rock type or rock alteration.
- (iii) where gold may have been present but somehow was missed.

7.2. Preparation of Samples

Splits of the original pulps were collected over 2 days at the Burnie laboratory of Analabs. When insufficient pulp material was available splits were made of the appropriate residue at the Savage River Mines sample preparation laboratory. The -80 mesh fraction of the Rocky River Road traverse was completely used in the original assay and the -40 +80 fraction was substituted for the W.M.C. analysis (34).

All samples were adequately pulverised so that any discrete specks of gold (nugget effect) would be uniformly spread within the sample prior to assay. Gold was determined using one of two methods, a 25g digestion in aqua regia or, the more sensitive 50g digestion in aqua regia with a carbon rod finish. When insufficient material was available for the 25g digestion either a 20, 15, 10 or 5g sample was substituted (the last two sample weights having an increased detection limit of 0.030 ppm). Detection limits and sample weights used are indicated on the accompanying tables.

7.3. Results

7.3.1. TIMBS CREEK

The original gold analysis of the 1983/1984 season was too insensitive to register the 4 ppb gold value at 47200E, associated with high arsenic and silver values. A simple typing error of a missed decimal point can explain Analabs original silver assay reading 240 ppm instead of the more likely 24.0 ppm. The 1983/1984 infill sampling at 5m intervals in this area confirms the 24.5 ppm silver value as the peak reading associated with elevated base metal and arsenic values, Penny et al (Aug. 1984).

An anomalous arsenic zone on line 91.75N had correspondingly low gold values from both laboratories. (App. 7.1.).

7.3.2. ROCKY RIVER ROAD TRAVERSE

An insensitive method to detect gold was used in the initial 1983/1984 analysis. The traverse samples part of the Bowry Member, straddles the two known magnetite ore zones of the Rocky River and extends further east to include a zone stratigraphically equivalent to Specimen Reef.

The one anomalous gold value of 40 ppb at B1300 with minor flanking gold responses occurs to the east of the Rocky River magnetite bodies and has similarities to the Specimen Reef gold deposit. High base metal values, the only silver registration at 2 ppm and high barium at 2870 ppm support the gold anomaly. (App. 7.2.).

7.3.3. NORTHERN ACCESS ROAD

Both analytical methods detect low level gold at R1125 within the inferred southerly strike extension of the dolomite bed. Although in an area of arsenic enrichment (average 21 ppm) this sample is arsenic poor, but has elevated copper (340 ppm) and anomalous manganese (1800 ppm). (App. 7.3.)

7.3.4. NORTHERN COPPER ANOMALY

Slightly inconsistent results between the two methods but both basically agreeing that the gold registrations are of a low order. (App. 7.4.) The two horizons assayed are enriched in copper, zinc and manganese but display no mirroring relationship with the occasional gold high. A not altogether consistent relationship of high manganese occurring with the maximum gold (similar to the Northern Access Road) could indicate the scavenging of gold.

7.3.5. SPECIMEN REEF

The limited 1984/1985 soil sampling program contained a set of high gold values in which two were amongst the highest soil values for the entire exploration licence. The areas singled out for re-assay contain zones of elevated gold values situated to the north and east of the old mine workings. Line 11.1N straddles known workings while line 11.2N could overlie the underground workings of adits 1, 2 and possibly 3.

Low level gold values are registered by both methods along lines 11.1N and 11.3N. An increase in values on the eastern end of line 11.1N could overlie the workings of adit No. 3 and the exploratory drive of adit No. 5. The western end of line 11.3N could indicate a faint response from the northern strike extension of Specimen Reef.

Undoubtedly the best gold values are on line 11.2N, although the repeatability between methods could have been better. There is little support from Analabs for the gold values 38, 50, 14 and 8 ppb (52225E - 52300E) determined by W.M.C. although the high Analabs values of 54 and 70 ppb (52375E and 52400E) have token support from W.M.C. with values of 20 and 4 ppb respectively.

Base metal, arsenic and manganese values are somewhat erratic. Some of the high gold responses are supported by high zincs but generally the high values of each element do not correspond. Silver registers more often in areas of high gold to a maximum of 0.2 ppm. (App. 7.5.)

7.3.6. ROCKY RIVER ARSENIC ANOMALY

In an area generally enriched in arsenic, a sample returned an anomalous 95 ppb gold in a zone depleted in arsenic (average 4 ppm) and all other elements (50300E, 89.7N). Infill lines 20m either side confirmed this trend and, although not revealing high golds comparable to the 95 ppb value, did show sustained registrations of the order of 3 - 14 ppb.

The re-assaying confirmed the original high gold response registering the second highest W.M.C. value of 200 ppb. (App. 7.6.) The minor flanking responses were not repeated nor any of the gold registrations on line 89.68N.

7.3.7. GOLDEN RIDGE PROSPECT

Three suites of samples were submitted for re-assay, two traverse Cox's Formation at 19.6N and 18.2N and one set extends along the baseline from 19.2N - 19.95N.

Although not repeating too well both analytical methods have peak gold values of 260 ppb W.M.C. and 438 ppb Analabs at 18.2N, 49565E. A gold value of 25 ppb Analabs (49.6E, 19.75N) is missed by W.M.C., while both register a 10 ppb gold at 19.6N, 49625E. The low order gold registrations along the baseline (49.6E) are only twice repeated by W.M.C.

The few registrations of gold from the W.M.C. analysis align along or adjacent to the Cox's Formation. There are only two W.M.C. gold responses along the baseline, an area underlain by mafic schists, compared to sustained low order gold values from the Analabs analysis. (App. 7.7.)

7.3.8. BATTYS BEND PROSPECT

Three anomalous gold values are associated with a high base metal (lead and zinc) prospect. Samples straddling these values were submitted for re-assay.

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Both methods detected traces of gold although the W.M.C. analysis missed detecting/repeating the highest gold values in the area of 48 ppb (97.7N, 43650E). The low W.M.C. values on line 43.8E of 2 and 2 ppb corresponding to Analabs 23 and 28 ppb can be attributed to a change of sample material from -80 mesh (Analabs) to a pulped +80 mesh split (W.M.C.). (App. 7.8.)

7.3.9. SPECIMEN REEF DRILL CORE, SPC 1.

7.3.9.1. Introduction.

Specimen Reef core from SPC 1, drilled in the 1981/1982 field programme, was not assayed until August 1984. Owing to prior examination at the CSIRO for petrological material, sections of the core were unavailable for inclusion in the first batch, No. 2598 and were submitted in October 1984 as batch No. 2734B. Disregarding the leached zone between 0 and 38m the remaining section of unassayed core from 48 - 100m, except 63.15 - 63.4m, was included for assay as batch No. 2824B in December 1984 completing the section.

Gold values from the three batches when plotted appeared to mismatch, in particular the background values from batch 1 (2598) were consistently higher than background values from batch 3 (2824). It seemed likely, after examining the core, that batch 1 when returning gold values of 0.032 and 0.017 ppm should in fact read close to 0.004 ppm, or because of the limit of detection for the method 309 should return an x (below the limit of detection).

Batch 1 and 2 were assayed at the same laboratory (Perth) and suspicion grew that the high gold values returned in batch 2 may be too high or just plain incorrect. Pulps of the original samples from batches 1, 2 and 3 were submitted to W.M.C., Wendouree as a check.

7.3.9.2. Results

Results returned from W.M.C. which overlap batches 1 and 3 between 38 - 56m, 98 - 108m, 136 - 139m and 142 - 150m clearly indicate that returned gold values from Perth batch 1 are incorrect. The more sensitive method used for batch 3 appears correct giving a background gold value of about 0.004 ppm, thus returned values of 0.032 and 0.017 ppm from batch 1 should be taken as a x, or below the limit of detection for method 309.

The high gold values in the section 139 - 142m from batch 2 Perth correlate with the check values returned from W.M.C. (App. 7.9.)

7.3.10. SPECIMEN REEF DRILL CORE, SPC 6.

7.3.10.1. Introduction.

Stepping away over 100m to the north-east of the known gold intersection to prove a considerable strike extension to Specimen Reef required confidence in the returned gold values. At the time of drilling this was not in evidence and as a check all samples for SPC 6 were sent to W.M.C., Wendouree.

7.3.10.2. Results.

Both methods appear conformable until the 50.0m mark when W.M.C. records a number of gold intersections all missed by Analabs batches 3090 and 3097. The intersection of Specimen Reef is believable from the W.M.C. results between 92.4 - 98.2m where 5 samples return gold values against one return from Analabs. No further gold intersections are returned from W.M.C. after 98.2m but Analabs records 5 intersections which kills the idea that batch 3097 may have needed an "upward level-shift". (App. 7.10.)

The sustained gold responses from the W.M.C. analysis at the predicted position of Specimen Reef (\pm 5m) suggests that the W.M.C. results are more believable.

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7.3.11. ROCKY RIVER DRILL CORE, RR1 and RR2.

A trial sampling programme of sections of the Rocky River Drillholes RR1 and RR2 and, in particular the selective sampling of carbonate - magnetite - pyrite horizons, was apparently vindicated when results from the Cairns laboratory returned values of 5.000, 1.240 and 0.820 ppm gold. However these high values did not correspond to the mineralised sections and as a check some samples were re-assayed at the Perth laboratory of Analabs.

The Cairns results were not repeated, the original 5.000, 1.240 and 0.820 ppm intersections returned x, 0.017 and 0.017 ppm gold respectively. Not all values from Cairns were too high as several samples thought to be below the detection limit returned values of 0.025 and 0.042 ppm gold. No correlation exists between the results from Cairns and Perth.

The most recent check sampling undertaken by the W.M.C. laboratory confirms the Perth results. W.M.C. records two intersections of 0.020 and 0.020 ppm gold corresponding to the two highest Perth intersections of 0.025 and 0.042 ppm gold. (App. 7.11.)

7.3.12. GOLDEN RIDGE DRILL CORE, GR1 and GR2.

Core from GR1 which returned three registrations of gold, with accompanying elevated arsenic values (320 - 210 ppm) and core between 11.7 - 16.3m from GR2, containing five cross-cutting quartz-carbonate veins, were re-assayed by W.M.C.

Gold failed to register above the detection limit of 0.020 ppm although Analabs recorded four such registrations.

7.4. Conclusions

7.4.1. DRILL-CORE

The gold values returned from the first batch of samples submitted to both Perth (2598) and Cairns (2733) laboratories for fire-assay (method 309) appear incorrect.

Perth's early problems with too high background gold values in SPC 1 seemed sorted out by October 1984 since W.M.C. checks of the high gold registrations in SPC 1 (batch 2734) correlate. The results from the subsequent sampling of all remaining core, except the leached zone 0 - 38m, using a more sensitive method cannot be doubted (batch 2824).

Results from SPC 6, GR1 and GR2 reveal inconsistencies between Analabs and W.M.C. Registrations of gold from the two laboratories are not coincident, although the peak W.M.C. value of 0.04 ppm is mirrored by a single registration from Analabs of 0.01 ppm. The intersection of Specimen Reef in SPC 6 is more believable from the W.M.C. results.

7.4.2. SOILS.

The analytical method 301 used in 1983/1984 was too insensitive to register low levels of gold, no comparison between the laboratories can be made for the Timbs Creek and Rocky River areas.

Generally low level gold in the soils show better correlation. The peak values although not repeating too well are coincident.

The W.M.C. results reveal less registrations of gold, in particular Analabs 13 registrations of low gold (average 7 ppb) along the baseline at the Golden Ridge returned only 2 registrations (average 2 ppb) from W.M.C.

There appear to be no level shifts between batches. Only one batch (2982) has samples appearing too high at the Golden Ridge but conversely too low at Specimen Reef line 11.2N.

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8. CAPE COPPER MINE8.1. Observations

The historical source for the mine is Twelvetrees (1900) page lxii (62). Our exploration of the area has located some but not all the features referred to by Twelvetrees.

A source of confusion early on in our work on the area needs to be cleared up at the outset. Twelvetrees probably used an aneroid barometer and made notes on relative height differences but recorded no bearing or distance information. The superficially obvious procedure of searching up the hill from an identified adit proved the wrong approach.

Another tricky practice, probably to be blamed on the prospecting company rather than Twelvetrees are the terms No. 1 Level, No. 1 Tunnel and Main Adit. These are all different adits.

Features noted by Twelvetrees and identified on the ground are as follows:

1. The cart track access from the Corinna road. This is used for most of the present walking track, up to the remains of the winding frame.
2. The tramway. Below the winding frame there are some of the original sleepers preserved but it is not certain that the walking route is still on the old tramway at the end. (Since the bushfire, the ground is covered in fallen timber and regrowth). The original work was an incline 9 chains long.
3. The camp. A fireplace and level spaces remain from the original buildings. The camp area and a portion of the valley bottom were not burnt out in the (March 1982) bushfire.
4. The new shaft. This is located down the hill and just over the creek from the camp. The rubble heap filling the shaft gets to some 8m below the collar, which is itself some 4m above the water in the creek. The shaft appears never to flood despite its position which implies that it drains out through an adit. The discovery shaft has disappeared which is hardly

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surprising considering its creekbed location. Next to the shaft, on the camp side of the creek is a boiler in its operating position in a well preserved firebox building. Twelvetrees makes no mention of it so it was presumably installed after his visit.

5. The main adit. This adit is located on the west bank of Nine Mile Creek near the Whyte River. Remains of iron rails for the mullock disposal tramway go from the adit to the Whyte. The vertical separation between it and the new shaft collar is about 80 feet, in agreement with Twelvetrees. The end of the adit is at about the 212 feet mark described by Twelvetrees so no further work was done here after his visit.
6. No. 1 Tunnel. The collapsed portal of the adit was detected 150m upstream from the Main Adit and 8m (25') higher. A draught is detectable in the rubble and a nearby spring is depositing ferric hydroxide from the drainage water.
7. No. 1. Level. The remains of this adit are upstream of the new shaft and about 10 feet higher than the new shaft collar, which is compatible with Twelvetrees' record. The original adit went for 320 feet but at present there is only a cavity enterable for 10m or so. This cavity is for the most part not the original drive. Some of the original pick marks can be seen at the entrance but the floor then rises steeply. What has happened is that the backs have fretted away and the open space has risen to be above the original backs. The nature of the soft material followed by the underground workings generally is revealed in this quasi-natural cavity. It is a soft, graphitic rock with vein quartz, at least partially brecciated, and is interpreted as a crush zone. The boundaries of the crush zone are sharp and define the walls of the cavity. Some similar material was observed in Batty's Adit at Golden Ridge.

Features noted by Twelvetrees but not identified on the ground are as follows:

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1. The crosscut. It may be in the vicinity of the skip found downstream of the shaft. "About 65 feet above the adit, a short trial crosscut has been put in from the creek".
2. No. 2 Tunnel. "60 feet above No. 1 (the tunnel) has been driven 60 feet in".
3. No. 3 Tunnel. "--- the top tunnel, 60 feet higher than No.2".

8.2. An Inferred later History of the Mine.

Twelvetrees left after the new shaft was started, while planned further development included continuation with the Main adit. He does mention that an ore shoot was found and followed for 25 feet at the level of No. 1 Tunnel, subsequent to his visit.

The management may then have dropped the idea of developing the Main Adit in favour of connecting the new shaft through to No. 1 Tunnel only. This would sacrifice the command of only 20 feet of backs and save much futile digging. The exploration of the ore shoot downwards was made practicable by putting in the boiler to operate a pump. But the shoot in all probability was a disappointment to them, and the mine was then abandoned.

8.3. Rock Chip and Sludge Sampling - 1986

8.3.1. Introduction

The soft band of graphite schist that Twelvetrees mentions: "All through the mine a soft band of this schist is being followed as a guide in tracking the ore formation" - is a crush zone with potential for ore shoot development in tension sites in which vein minerals accumulate. However in practice shoots are uncommon and it would appear that the crush zone was actually tunnelled for some 200 to 300m with the intersection of just the one mediocre ore shoot

A point of some interest is the possible connection between the similar sounding graphitic zones here and at Batty's Adit and also the Sawpit Lode at Rocky River (Twelvetrees

p.lxv) (65). "The feature of the alleged lode is the occurrence of auriferous graphite, reported to assay up to 17 dwts. in specimens". There would appear to be a sporadic form of gold mineralisation in graphite lubricated, near-bedding-plane shears.

8.3.2. Sampling 1986

Twelvetrees graphite schist was sampled twice, once at the end of the Main Adit (86/0061) and again 350m 'north' in No. 1 Tunnel (86/0067).

The 'open' Main Adit also provided samples of the quartz phyllites and amphibolites. Ferric hydroxide sludges were collected from the collapsed portal of Tunnel No. 1, an interesting spring bubbling out of a possible strike extension to the graphitic schist and from the main adit itself (Fig. 7.0.).

Results are disappointing even the ferric hydroxide sludges showing little or no base metal enhancements through absorption. Any further interest in this prospect stems from the .300 ppm gold content of the intrusive porphyritic amphibolite lying opposite the portal of the Main Adit (86/0059).

9. ROCKY RIVER ARSENIC PROSPECT

A ground magnetometer survey was conducted over the grid, noting that the magnetic response over the nearby Rocky River Magnetite bodies appears unusually wide with a definite 'bowing' eastwards, towards and partly into the Rocky River Arsenic Prospect (Dept. of Mines Survey, May 1981).

Outcrop suggests nothing unusual, the area underlain by typical, 'magnetically quiet' quartz-phylrites of the Oonah Formation.

9.1. Magnetics

A strong regional magnetic trend is evident, profiles of the 6 lines show a westerly increase in magnetics of the order 1600 nTs in less than 1km (Fig. 8.0.). Superimposed are two noteworthy features, one a broad anomaly of 200-300 nTs running the entire length of the grid, and a second smaller and narrower feature developed best on line 90.1N but extending from 90.1 - 89.7N.

The broad westerly anomaly has support from elevated copper, lead and zinc in soils and this association may reflect the presence of underlying tuffaceous beds of Bowry affiliation.

The smaller easterly feature is better defined but still open to the north. The trace of line 90.1N between 50550 - 50750E may suggest two magnetic sources, closely spaced, dipping to the east. Weathered bedrock samples previously collected in this area returned highly anomalous arsenic values.

9.2. Time Domain Induced Polarization

In the hope that buried conductors are associated with the interesting magnetics and soil geochemistry I.P. traverses (dipole - dipole) were run over lines 90.1 and 89.9N (Figs. 8.1. and 8.2.).

Centred at 50500E, using an 'a' spacing of 50m, the 5 x 5 spread was sufficient to give electrical soundings over both western and eastern anomalies.

Matching features could be traced in both pseudo-sections. A chargeability high and accompanying resistivity low is apparent. High core values of over 100 msec are contained by background values of 30 - 40 msec. Background values here are still very high compared to Case history studies which reveal typical Oonah rocks as returning 2 - 3 msec chargeabilities.

The shape of the chargeability and resistivity anomaly suggests that at least two conductors are present. High chargeability values close to the surface indicate that the source is not too deeply buried.

9.3. Conclusions

Surface sampling has defined the I.P., magnetics and soil geochemical anomalies as coincident. Sub-surface drilling is required.

To determine when the source has been penetrated a visual inspection of the sub-surface material is required.

Portable rigs will probably produce insufficient material and may well meet their technical limitations before the source has been penetrated.

Diamond drilling of the Oonah rocks in the past has failed to produce good core the majority of the material returning as finely ground rock fragments.

Percussion drilling will produce suitable rock chips, but with all the required additional support work the drilling of such a short hole is not cost effective.

The availability of time and money will determine if drilling is to proceed.

10.0. REGIONAL GEOLOGY

10.1. Introduction

Some minor changes have been made to the photo interpretation map incorporating some new concepts developed during the field season and presenting it all on a new base plan (Fig. 10.0.).

10.2. Stratigraphy

It is still preferred to use informal stratigraphic units designated by inverted commas until a consensus of workers in the area can be settled. Changes to the previous map include upgrading the Longback formation to Subgroup status so that the Members become Formations, inventing the term, "Doodie Dolomite" for the dolomite which actually occupies most of the ground designated "Corinna Slate" by A.H. Spry and Tunnelrace Volcanics for the overlying Volcanics originally considered to be a repetition of the Bernafai Volcanics by Spry. The previous "Batty's Bend Formation" is divided into "Timbs Formation" below and "Bowry Formation" above since the problem of the boundary along the Corinna Road has been resolved and in anticipation that workers will wish to define members within them.

10.3. Particular Map Revisions

Certain difficulties in the magnesite area have been resolved by postulating a single fault branching off the Donaldson Fault. The fault can be continued to resolve the other long standing problem of determining the base of the Bowry Formation in two localities where the normal basal beds were absent. The solution is that they are dropped out of surface exposure thus bringing Bowry Formation amphibolite against a grey sandstone which underlies the thinbedded unit at the top of the Timbs Formation. The sandstone can be seen in its true position on the Rocky River track 80m after the Whyte River is crossed.

A division has been shown separating off the upper portion of the Oonah Formation (which contains abundant greywacke) from the fissile lower portion. The syncline structure is based on equating the pink weathering, generally tuffaceous rocks between the Bald Hills Serpentinite and the typical Oonah with the Bowry Formation. The rock is less metamorphosed than the typical Bowry. Limited supporting dip information and the presence of fold closures at the Whyte and Heazlewood River junction help the case for the structure but it is not considered proven.

A small basalt outcrop is noted in the town dump area.

11. NORTHERN AREA - CENTRAL COPPER ANOMALY

As part of an assessment to determine the usefulness of ground magnetic data a limited survey was run over part of the Central Copper Anomaly.

Most lines were around 300m long. Line 14.1N was extended to the west and east to a total of 1 km allowing a better understanding of the regional magnetics. Data was collected using a loop format, drift corrected readings are used for all plots.

Outcrop in the area is poor but the underlying geology is interpreted as basic volcanics of the Longback Formation in the west grading eastwards into various phyllites, greenschists and amphibolites of the Timbs Creek Formation.

The magnetic data is somewhat erratic and this is reflected in the stack profile (Fig. 10.0.) as short-lived, narrow intense anomalies. Broad trends are apparent, a zone of reduced and 'quiet' magnetics running through the entire grid. The strong feature at 49100E, 14.1N may define the Longback - Timbs Creek Formation contact.

A review of previous soil geochemistry data (Fig. 3.4., Vol. II 1985) reveals a strong correlation between a zone of elevated arsenic, lead and uranium and the magnetically 'quiet' horizon. Although data is insufficient this may represent some subtle alteration effect.

It is clear that although the magnetic data is erratic, clear trends can be determined and correlated to other geological features. Ground magnetics, previously considered unwarranted, provides useful data for the explorationist.

12. REFERENCES

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APPENDIX 1.0STREAM SEDIMENT SAMPLING

A.1.1. Stream Sediment Analysis - Sludges and Panned H.M. Concentrate

Geochemical Reports:

Amdel AC 3340/86 H.M. 379 - 387

Amdel AC 3687/86 H.M. 388 - 400

Analabs 236.1 08 3607B & H.M. 401 - 410
236.0 01 43223

A.1.2. Mineralogical Examination of ten heavy mineral concentrates

Geochem. Rep. Analabs 236.0.01.43223

A.1.3. Hand lens identification of heavy mineral concentrates

Breakneck Creek samples H.M. 405 - 410

A.1.4. Hand lens identification of heavy mineral concentrates

Supergrunt samples H.M. 401 - 403

STREAM SEDIMENT - SAMPLE LOCATION

| SAMPLE NUMBER (HM) | CREEK/RIVER | LOCATION | | REMARKS |
|--------------------------|-----------------------|----------|-------|---|
| | | N | E | |
| 379 | Golden Ridge Prospect | 01.82 | 49.56 | Bedrock Pan Sample |
| 380 | " " | 01.82 | 49.56 | Loam material |
| 381 | Davis Ck | 11.85 | 51.25 | 50m upstream of H.M. 350 |
| 382 | " | 12.38 | 51.84 | Flake of Au, Minor Haematite |
| 383 | " | 12.25 | 51.60 | Major Haematite |
| 384 | " | 12.10 | 51.37 | Gold nugget, Major Hae. |
| 385 | " | 11.80 | 51.23 | Repeat H.M. 350, Au flake |
| 386 | Jaffa Ck | 11.75 | 51.32 | Major Haematite |
| 387 | Jaffa Ck | 11.78 | 51.61 | Minor Haematite |
| 388 | Jaffa Ck | 11.81 | 51.76 | Minor Mag/Hae. Fine brown mineral, Few flecks Au. |
| 389 | Jaffa Ck | 11.84 | 51.76 | 'As above' |
| 390 | Jaffa Ck | 11.90 | 51.86 | Minor Hae/Magnetite |
| 391 | Jaffa Ck | 12.02 | 51.07 | " " Fleck of Au. |
| 392 | Trib of Davis Ck | 11.53 | 51.25 | Repeat (S48) Major Hae/Mag. |
| 393 | " " | 11.53 | 51.48 | Repeat (S42) Major Hae/Mag. |
| 394 | Trib of Broderick Ck | 11.74 | 51.58 | Magnetite |
| 395 | " " | 11.75 | 51.37 | " |
| 396 | " " | 11.75 | 51.10 | " |
| 397 | " " | 11.85 | 51.75 | " |
| 398 | Trib of Breakneck Ck | 88.49 | 49.30 | Repeat H.M. 339. Mag/ Haematite, Ruby Tin. |
| 399 | " " | 88.33 | 49.33 | " " |
| 400 | Breakneck Ck | 88.50 | 49.26 | " " |

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92 057
A.1.3.

ANALYTICAL RESULTS - STREAM SEDIMENT SAMPLES

| SAMPLE NUMBER | S L U D G E | | | | | | | Panned H.M. Concentrate | | |
|---------------|-------------|-----|-----|------|----|-------|-------|-------------------------|-------|--|
| | Cu | Pb | Zn | Mn | As | Au | Sn | W | Au | |
| 379 | - | - | - | - | - | x | - | - | 0.020 | |
| 380 | - | - | - | - | - | x | - | - | 0.090 | |
| 381 | - | - | - | - | - | x | - | - | 15.0 | |
| 382 | - | - | - | - | - | x | - | - | 8.80 | |
| 383 | - | - | - | - | - | x | - | - | 0.120 | |
| 384 | - | - | - | - | - | x | - | - | 218 | |
| 385 | - | - | - | - | - | x | - | - | 2.90 | |
| 386 | - | - | - | - | - | x | - | - | 1.20 | |
| 387 | - | - | - | - | - | x | - | - | 0.200 | |
| 388 | 94 | 6 | 175 | 520 | 11 | - | - | - | 36.5 | |
| 389 | 43 | 20 | 92 | 880 | 12 | - | - | - | 62.0 | |
| 390 | 49 | 28 | 90 | 1020 | 17 | - | - | - | 5.30 | |
| 391 | 48 | 14 | 96 | 385 | 15 | - | - | - | 1.30 | |
| 392 | 82 | 30 | 165 | 5000 | 5 | - | - | - | 0.38 | |
| 393 | 96 | 34 | 155 | 2140 | 5 | - | - | - | 1.90 | |
| 394 | 22 | 18 | 39 | 1140 | 10 | - | - | - | x | |
| 395 | 22 | 20 | 37 | 910 | 11 | - | - | - | x | |
| 396 | 18 | 26 | 42 | 860 | 8 | - | - | - | 0.200 | |
| 397 | 41 | 12 | 130 | 1280 | 26 | - | - | - | 14.5 | |
| 398 | 50 | 14 | 98 | 1080 | 5 | - | 4150 | 10 | - | |
| 399 | 45 | 6 | 96 | 1440 | 4 | - | 4350 | 70 | - | |
| 400 | 34 | 6 | 29 | 1500 | 8 | - | 1.25% | 10 | - | |
| Method | 1/1 | 1/1 | 1/1 | 1/1 | x1 | 2/4 | x1 | x1 | 2/3 | |
| Detection | 2 | 5 | 2 | 5 | 2 | 0.005 | ? | ? | 0.010 | |

Note: - Not Analysed.
x Below limit of detection

STREAM SEDIMENT - SAMPLE LOCATION

| SAMPLE NUMBER (HM) | CREEK/RIVER | LOCATION | | REMARKS |
|--------------------------|----------------------|----------|-------|---------------------------------|
| | | N | E | |
| 401 | Trib of Rock River | 87.93 | 52.62 | Tourmaline, Monazite |
| 402 | " " | 87.91 | 52.70 | " " |
| 403 | " " | 87.89 | 52.38 | Tourmaline, Monazite, Topaz |
| 404 | " " | 88.08 | 52.56 | Tourmaline, Monazite |
| 405 | Trib of Breakneck Ck | 88.55 | 49.08 | Magnetite |
| 406 | " " | 88.50 | 49.04 | Magnetite, Minor Au |
| 407 | Breakneck Ck | 88.48 | 49.07 | Ruby Tin, Tourmaline, Mag |
| 408 | Trib of Breakneck Ck | 88.00 | 49.04 | Magnetite |
| 409 | Breakneck Ck | 87.69 | 48.90 | Ruby Tin |
| 410 | Trib of Breakneck Ck | 87.74 | 48.86 | Abundant Ruby Tin, Magnetite |

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92 058
A.1.5.

ANALYTICAL RESULTS - STREAM SEDIMENT SAMPLES

| SAMPLE NUMBER | INITIAL WT (g) | SINKS WT (g) | SINKS WT % | MAGS WT (g) | MAGS WT % | NON-MAGS WT (g) |
|---------------|----------------|--------------|------------|-------------|-----------|-----------------|
| 401 | 38.3 | 14.2 | 37.1 | 0.10 | 0.7 | 14.1 |
| 402 | 801.2 | 423 | 52.8 | 32.6 | 7.7 | 390.5 |
| 403 | 92.0 | 17.6 | 19.1 | 1.3 | 7.4 | 16.3 |
| 404 | 131.0 | 44.4 | 33.9 | 0.80 | 1.8 | 43.6 |
| 405 | 12.7 | 10.5 | 82.7 | 9.2 | 87.6 | 1.3 |
| 406 | 60.4 | 3.81 | 6.3 | 1.81 | 47.4 | 2.0 |
| 407 | 59.5 | 23.8 | 40.0 | 10.0 | 42.0 | 13.8 |
| 408 | 6.3 | 1.90 | 30.2 | 1.40 | 73.7 | 0.5 |
| 409 | 25.8 | 6.09 | 23.6 | 4.00 | 65.6 | 2.1 |
| 410 | 34.5 | 7.90 | 22.9 | 1.20 | 15.2 | 6.7 |

Note: Mags Wt % of Sinks not Total
See Appendix A.

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A. 92. 059

Analabs,

16-4-86

14 Thirkell St,

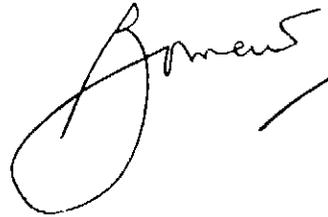
Cooee ,

Tas 7320

236.0 01 43223

Mineralogical examination of ten heavy
mineral concentrates .

R Townend.

A handwritten signature in black ink, appearing to read 'R. Townend', with a horizontal line underneath.

Introduction.

The ten heavy mineral samples were examined with binocular microscope. Checks were made with the polarising microscope for non opaques, and with the SEM/EDS for major opaques.

Results

HM 401

| | | |
|-----------|---------------------------------|---|
| Major | Tourmaline | various colours, prisms some broken. |
| Minor | Topaz Monazite | anhedral to prismatic. Flat anhedral tabular, yellow, finer than Tml. |
| Accessory | Opagues Zircon Andalusite | Hematite. euhedral pink. prismatic to anhedral opaque inclusions. |
| Trace | Cassiterite | Reddish yellow to opaque, anhedral, finer than tml. |
| | Rutile | Prismatic red to opaque. |
| | Xenotime | greyish orange, subrd |

HM 402

| | | |
|-----------|---------------------|-----------------------------------|
| Major | Tourmaline Topaz | As for 401. as for 401 |
| Minor | Monazite | High and low Th var. Habit as 401 |
| Accessory | Cassiterite | red black red yellow, anhedral |
| Trace | Chromite | Octahedral, Cr >> Fe. |
| | Zircon | euhedral, col/pink. |
| | Xenotime | anhedral, yellow. |
| | Rutile | anhedral/prismatic |
| | Rock. Frags. | Tml-Qtz-Topaz. |

HM 403

| | | |
|-----------|---|---|
| Dominant | Topaz | Anhedral plus rare prisms. |
| Minor | Tourmaline Monazite | As for 401 As for 402 |
| Accessory | Cassiterite | as for 402 |
| Trace | Zircon Xenotime Anatase Pyrite Andalusite | euhedral to anhedral col to yellow. anhedral blue, anhedral. anhedral prismatic. |

HM 404

| | | |
|-----------|--|--|
| Major | Topaz Tourmaline | as for 402 as for 401 |
| Minor | Monazite | anhedral, flat yell. |
| Accessory | Andalusite Rutile Zircon Xenotime | prismatic red prismatic. anhedral, brown |

HM 405

| | | |
|-----------|---|--|
| Major | Opaques | Mainly limonite, also hematite, ilmenite. Leucoxene is common. |
| Minor | Topaz | As for 404 |
| Accessory | Tourmaline Chromite Cassiterite Monazite Zircon Mica | Prism fragments, Cr rich. anhedral, col to red. Fine. anhedral to euh, pink colourless. |
| Trace | Epidote Sulphide Anthophyllite | anhedral, yellow. part limonitised. Grey large. |

.060

92 062 A.1.2.4.

HM 406

| | | |
|-----------|--|---|
| Major | Limonite Topaz | rounded, some with Ti as for 401 |
| Minor | Leucoxene Cassiterite | No Fe present. finer than av. red to yellow. |
| Accessory | Monazite Tourmaline Chlorite | anhedral, yellow, flat as for 401 |
| Trace | Xenotime Zircon Rutile Chromite Epidote Sulphide Staurolite Almandine Gold | anhedral orange. euhedral to round. prismatic oct. Cr rich. anhedral pyrite, pyrrhotite Three small grains. |

HM 407

| | | |
|-----------|--|---|
| Major | Topaz Limonite | as for 401 some with Ti. |
| Minor | Tourmaline Cassiterite | anhedral, prismatic, var. colours. Finer than aver.. |
| Accessory | Rutile Leucoxene Andalusite | red prismatic Just Ti. prismatic/anhedral |
| Trace | Zircon Monazite Xenotime Pyrrhotite Gold | anhedral/euhedral .. anhedral orange. one small grain. |

061

92 063 A.1.2.5.

HM 408

| | | |
|-----------|--|---|
| Major | Leucoxene | Rich in Ti, neg. Fe |
| Minor | Topaz Limonite Opagues | as for 401 Some with Ti hematite and chromite |
| Accessory | Zircon Sulphides Cassiterite Monazite | euhedral to round Pyrite, pyrrhotite anhedral, red. anhedral flat. |
| Trace | Epidote Apatite Hornblende | prismatic .. |

HM 409

| | | |
|-----------|--|--|
| Dominant | Leucoxene | Some ferrous or sil. |
| Minor | Topaz Tourmaline | anhedral prism. frags |
| Accessory | Cassiterite Chromite Limonite Monazite Zircon | anhedral red/opaque euh. Cr rich. round. anhedral |
| Trace | Anthophyllite Actinolite Xenotime Biotite Gold | 5-10% silver |

HM 410

| | | |
|-----------|---|---|
| Major | Topaz | as for 401 |
| Minor | Tourmaline | as for 401 |
| Accessory | Cassiterite Monazite | finer than aver. Th and non Th spec. |
| Trace | Leucoxene Zircon Rutile Xenotime | |

A.1.3. Hand Lens Identification of Heavy Mineral Concentrates
Breakneck Creek Series.

Sample HM 405: magnetite 95%; haematite 3.5%;
leucoxene 1%; cassiterite (ruby tin) 0.5%.

Sample HM 406: magnetite 70%; leucoxene 15%;
cassiterite (ruby tin) 10%; topaz 5% also gold
(1 sand size nugget), chromite, tourmaline.

Sample HM 407: magnetite 55%; cassiterite (ruby tin)
25%; leucoxene 10%; zircon 5%; haematite 2.5%;
tourmaline, chromite, gold.

Sample HM 408: magnetite 80%; leucoxene 10%;
haematite 7%; cassiterite (ruby tin) 1%; zircon
0.5%; others, gold.

Sample HM 409: magnetite 90%; leucoxene 5%; red
cassiterite/garnet? 3%; also haematite, tourmaline,
chromite, 1 speck gold, zircon? others?

Sample HM 410: magnetite 40%; red/yellow cassiterite
25%; topaz 25%; leucoxene 5%; tourmaline 3%;
chromite 1%; others.

A.1.4. Hand Lens Identification of Heavy Mineral Concentrates
Supergrunt Series

Sample HM 401: tourmaline 80%; monazite 10%;
wolframite 5%; topaz 3%; leucoxene 2%; sphene 1%;
cassiterite, chromite.

Sample HM 402: tourmaline 60%; monazite 30%;
chromite 6%; leucoxene 2%; cassiterite 1%;
others including opaques 1%.

Sample HM 403: tourmaline 30%; monazite 40%;
wolframite 2%; sphene 3%; topaz 2%; leucoxene 2%;
cassiterite.

064

APPENDIX 2.0SPECIMEN REEF PROSPECT

A.2.1. Specimen Reef Soil Samples - Location, Horizon, Colour,
Remarks and Analyses.

Geochemical Reports:

| | | |
|---|---------|----------------|
| Amdel AC 3340/86 | 11.150N | 52205-52475E |
| | 11.225N | 52175-52425E |
| | 11.250N | 52165-52400E |
| | 11.275N | 52165-52415E |
| Amdel GA 3/308/0 & Analabs 236.1 08 3581 | 11.150N | 52305-52395E |
| | 11.225N | 52345-52385E |
| | 11.250N | 52345-52385E |
| | 11.275N | 52345-52385E |
| Analabs 236.1 08 3663 | 11.150N | 52350 & 52380E |
| | 11.200N | 52350-52400E |
| | 11.225N | 52280-52380E |
| | 11.250N | 52310-52380E |
| | 11.275N | 52320-52380E |
| | 11.300N | 52295-52375E |
| Analabs 236.1 08 3663R | 11.200N | 52360-52385E |

065

A.2.2.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | DEPTH | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|-------|---------|-------------------|--------------------|--------------------|
| 11.300 | 52295 | 0.2 | C | Yellow Green | Green schist (g/s) | |
| " | 52300 | 0.7 | C | " | " | |
| " | 52305 | 1.4 | C | " | " | |
| " | 52310 | 0.7 | C | " | " | |
| " | 52315 | 0.6 | C | Green | - | |
| " | 52320 | 0.9 | C | " | Green schist | |
| " | 52325 | 0.5 | C | " | " | |
| " | 52330 | 1.2 | C | Brown Green | " | Mottled |
| " | 52335 | 1.1 | C | " | " | Mottled |
| " | 52340 | 0.7 | C | Green | " | |
| " | 52345 | 0.4 | C | Blue Grey | Blue Grey schist | |
| " | 52350 | 0.5 | C | Creamy Blue | - | Masses of pyrite |
| " | 52355 | 0.5 | C | Blue Grey | g/s | |
| " | 52360 | 1.4 | C | Creamy Blue | - | Schistose |
| " | 52365 | 1.0 | C | Green | Green schist | |
| " | 52370 | 0.3 | C | " | " | |
| 11.300 | 52375 | 0.3 | C | " | " | |
| 11.275 | 52165 | 1.10 | C | Dk Green Grey | - | Banded |
| " | 52175 | 2.0 | B | Yellow Brown | - | Clays |
| " | 52185 | 0.70 | C | Dk Green | g/s | |
| " | 52195 | 1.0 | C | Light Green Cream | - | Sanded Clays |
| " | 52205 | 0.70 | C | Orange | Weathered schist | Limonite stained |
| " | 52215 | 1.1 | C | " | " | " |
| " | 52225 | 0.80 | C | " | " | " |
| " | 52235 | 1.0 | C | Dark Green | g/s | |
| " | 52245 | 1.1 | C | Light Choc Brown | - | Friable |
| " | 52255 | 2.0 | NO | SAMPLE | | |
| " | 52265 | 1.5 | C | Mustard Brown | - | |
| " | 52275 | 0.60 | C | Olive Green Brown | g/s | Friable |
| " | 52285 | 0.50 | C? | Mid Brown | - | " |
| " | 52295 | 0.25 | C | Pale Green | g/s | Outcropping schist |
| 11.275 | 52305 | 0.30 | C | Dk Green Brown | - | Friable |

066

92 007 A.2.3.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | E L E M E N T S (ppm) | | | | | Aq | As | Au Ana/Amd |
|---------------|-------|-----------------------|-----------|-----|------|-----|----|------|---------------|
| | | Cu | Pb | Zn | Mn | | | | |
| 11.300 | 52295 | 15 | x | 140 | 315 | x | 2 | x | |
| " | 52300 | 15 | x | 85 | 255 | x | 3 | .003 | |
| " | 52305 | 20 | x | 35 | 140 | x | 2 | .001 | |
| " | 52310 | 45 | x | 40 | 250 | x | 2 | x | |
| " | 52315 | 35 | 5 | 60 | 610 | x | 13 | .001 | |
| " | 52320 | 60 | 5 | 60 | 540 | x | 19 | .001 | |
| " | 52325 | 25 | x | 55 | 410 | 0.2 | 6 | .001 | |
| " | 52330 | 30 | x | 45 | 380 | x | 4 | x | |
| " | 52335 | 30 | x | 90 | 770 | x | 5 | x | |
| " | 52340 | 40 | x | 75 | 475 | x | 16 | x | |
| " | 52345 | 60 | x | 65 | 405 | x | 3 | .005 | |
| " | 52350 | 540 | x | 655 | 530 | x | 22 | .001 | |
| " | 52355 | 90 | x | 340 | 1000 | x | 5 | .001 | |
| " | 52360 | 110 | x | 70 | 235 | x | 5 | .001 | |
| " | 52365 | 60 | x | 140 | 645 | x | 7 | .001 | |
| " | 52370 | 130 | x | 240 | 650 | x | 11 | .001 | |
| 11.300 | 52375 | 55 | x | 280 | 850 | x | 2 | x | |
| 11.275 | 52165 | 12 | 4 | 13 | 100 | x | 5 | x | |
| " | 52175 | 24 | 6 | 12 | 34 | x | 14 | x | |
| " | 52185 | 17 | 8 | 21 | 170 | x | 27 | x | |
| " | 52195 | 16 | 64 | 5 | 18 | x | 21 | x | |
| " | 52205 | 100 | 40 | 22 | 88 | x | 17 | x | |
| " | 52215 | 9 | 4 | 5 | 60 | x | 7 | x | |
| " | 52225 | 96 | 135 | 54 | 285 | x | 44 | x | |
| " | 52235 | 24 | 72 | 21 | 185 | x | 29 | x | |
| " | 52245 | 4 | 6 | 3 | 10 | x | 2 | x | |
| " | 52255 | | NO SAMPLE | | | | | | x |
| " | 52265 | 7 | 90 | 13 | 42 | x | 15 | x | |
| " | 52275 | 13 | 265 | 82 | 660 | x | 46 | x | |
| " | 52285 | 4 | 82 | 38 | 295 | x | 13 | x | |
| " | 52295 | 7 | 18 | 38 | 310 | x | 6 | x | |
| 11.275 | 52305 | 17 | 60 | 43 | 265 | x | 19 | x | |

067

A.2.4.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | LOCATION E | DEPTH | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|---------------|-------|---------|------------------------|------------------|--------------------|
| 11.275 | 52315 | 1.30 | C? | Yellow Brown | - | Clays |
| " | 52320 | 0.8 | C | Brown Green | g/s | Mottled |
| " | 52325 | 1.00 | C | Green & Orange | Weathered Schist | |
| " | 52330 | 0.5 | C | Green | g/s | Schistose Clays |
| " | 52335 | 1.50 | C? | Creamy Orange | - | Banded |
| " | 52340 | 0.3 | C | Brown Green | g/s | Banded |
| " | 52345 | 1.00 | C? | Creamy Orange | - | Banded |
| " | 52350 | 0.6 | C | Red Brown | - | Mottled, friable |
| " | 52355 | 0.60 | C | Orange Brown | g/s | Friable |
| " | 52360 | 0.9 | C | Green | g/s | |
| " | 52365 | 0.60 | C | Green & Orange | Weathered Schist | |
| " | 52370 | 0.5 | C | Green | g/s | |
| " | 52375 | 0.8 | C | Green & Orange | " | |
| " | 52380 | 0.5 | C | Brown Green | g/s | |
| " | 52385 | 0.5 | C | Green & Orange | " | |
| " | 52395 | 0.4 | C? | Orange | Schist | Clayey |
| " | 52405 | 0.25 | B | " | " | Transported |
| 11.275 | 52415 | 0.6 | B | " | " | " |
| 11.250 | 52165 | 0.8 | C | Mottled Green & Orange | - | |
| " | 52175 | 0.7 | C | " | - | Cream Clay present |
| " | 52185 | 0.7 | C | " | - | |
| " | 52195 | 0.95 | C | Brown Orange | - | Cream Clay present |
| " | 52205 | 0.7 | C | Green Brown | g/s | |
| " | 52215 | 0.8 | C | Green | " | Limonite patches |
| " | 52225 | 1.3 | C | Red & Orange Br. | " | |
| " | 52235 | 1.0 | C | Light Green Br. | - | Cream Clay veins? |
| " | 52245 | 2.00 | NO | SAMPLE | | |
| " | 52255 | 1.2 | C | Mid Green Br. | - | |
| " | 52265 | 1.0 | C | Mid Grey | Schist | |
| " | 52275 | | NO | SAMPLE | | |
| " | 52285 | 1.2 | C | Mid Green-Grey | - | Fine Powder |
| 11.250 | 52295 | 1.0 | C | Light Green | | |

068

92 068 A.2.5.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | E L E M E N T S (ppm) | | | | | Ag | As | Au Ana/Amd |
|---------------|-------|-----------------------|-----------|-----|------|---|----|--------------|---------------|
| | | Cu | Pb | Zn | Mn | | | | |
| 11.275 | 52315 | 48 | 28 | 16 | 110 | x | 24 | x | |
| " | 52320 | 85 | 5 | 60 | 410 | x | 13 | .004 | |
| " | 52325 | 110 | 165 | 60 | 550 | x | 78 | x | |
| " | 52330 | 70 | x | 65 | 340 | x | 11 | .003 | |
| " | 52335 | 68 | 18 | 7 | 16 | x | 18 | x | |
| " | 52340 | 35 | x | 80 | 740 | x | 5 | .001 | |
| " | 52345 | 21 | 34 | 64 | 610 | x | 24 | .006 x x .02 | |
| " | 52350 | 30 | 5 | 40 | 265 | x | 7 | .003 | |
| " | 52355 | 235 | 30 | 28 | 190 | x | 16 | .006 x x .02 | |
| " | 52360 | 170 | 5 | 30 | 95 | x | 11 | .006 | |
| " | 52365 | 275 | 96 | 115 | 570 | x | 41 | .001 x x .01 | |
| " | 52370 | 165 | 5 | 205 | 1250 | x | 24 | x | |
| " | 52375 | 90 | 50 | 410 | 1500 | x | 12 | .007 x x .01 | |
| " | 52380 | 85 | x | 330 | 1150 | x | 7 | x | |
| " | 52385 | 165 | 16 | 360 | 920 | x | 10 | .003 x x .01 | |
| " | 52395 | 32 | 18 | 98 | 430 | x | 3 | x | |
| " | 52405 | 50 | 34 | 205 | 610 | x | 9 | x | |
| 11.275 | 52415 | 96 | 76 | 140 | 205 | x | 20 | x | |
| 11.250 | 52165 | 86 | 54 | 8 | 46 | x | 17 | x | |
| " | 52175 | 25 | 26 | 11 | 94 | x | 13 | x | |
| " | 52185 | 31 | 28 | 15 | 76 | x | 14 | x | |
| " | 52195 | 36 | 10 | 9 | 6 | x | 18 | x | |
| " | 52205 | 31 | 210 | 90 | 810 | x | 40 | x | |
| " | 52215 | 38 | 165 | 125 | 860 | x | 38 | x | |
| " | 52225 | 74 | 30 | 19 | 44 | x | 14 | x | |
| " | 52235 | 21 | 6 | 14 | 94 | x | 4 | x | |
| " | 52245 | | NO SAMPLE | | | | | | |
| " | 52255 | 90 | 10 | 160 | 320 | x | 25 | x | |
| " | 52265 | 110 | 66 | 44 | 130 | x | 18 | x | |
| " | 52275 | | NO SAMPLE | | | | | | |
| " | 52285 | 155 | 22 | 195 | 155 | x | 22 | x | |
| 11.250 | 52295 | 27 | 70 | 60 | 270 | x | 18 | x | |

069

A.2.6.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | DEPTH | HORIZON | COLOUR | ROCK CHIP | REMARKS |
|---------------|-------|-------|---------|-------------------------------|---------------|-----------------------|
| 11.250 | 52305 | 0.5 | C | Pale Green | g/s | Outcropping Schist |
| " | 52310 | 0.4 | C | Yellow Brown | - | Friable |
| " | 52315 | 0.8 | C? | Yellow Brown | - | Friable |
| " | 52320 | 0.8 | C | Green | g/s | |
| " | 52325 | 0.4 | C | Orange & Green | Schist | |
| " | 52330 | 1.0 | C | Red Brown Green | - | Mottled |
| " | 52335 | 0.75 | C | Orange & Green | Schist | |
| " | 52340 | 0.2 | C | Orange Brown | - | Friable |
| " | 52345 | 0.25 | B | Orange Brown | - | Transported? |
| " | 52350 | 0.6 | C | Orange Brown | - | Friable |
| " | 52355 | 1.1 | B | " | - | Transported? |
| " | 52360 | 0.4 | C? | Orange Red BR. | - | Friable, Hardpan |
| " | 52365 | 0.50 | B | Orange Brown | - | Transported |
| " | 52370 | 0.5 | C | Green Brown | g/s | Friable |
| " | 52375 | 0.60 | B | Orange Brown | - | Transported |
| " | 52380 | 1.4 | C? | Brown Green | g/s | Float? |
| " | 52385 | 0.50 | B | Orange Brown | Schist | Transported |
| " | 52395 | 0.50 | B | " | Schist | Transported |
| 11.250 | 52400 | | | ROCK CHIP SAMPLE IN CREEK BED | | |
| 11.225 | 52175 | 1.5 | C | Brown Orange | Weathered g/s | Friable |
| " | 52185 | 1.5 | B | Orange Brown | - | Clays |
| " | 52195 | 1.1 | C | Dk Orange Br. | Weathered g/s | |
| " | 52205 | 1.4 | C? | " | " | |
| " | 52215 | 1.0 | C | " | " | Veinlets of Qtz Carb? |
| " | 52225 | 1.2 | C | Green Brown | " | Limonite |
| " | 52235 | 1.5 | C | Pale Green | " | Veinlets? |
| " | 52245 | 2.0 | B | Light Green | g/s | |
| " | 52255 | 2.0 | C | Dark Green | g/s | |
| " | 52265 | 2.0 | C | Dark Green | g/s | |
| " | 52275 | 1.8 | C | Light Green | g/s | |
| " | 52280 | 1.1 | C? | Pale Brown | Schist | |
| " | 52285 | 0.50 | C | Light Green Tan | g/s | Friable |
| " | 52290 | | | NO SAMPLE | | |
| 11.225 | 52295 | 0.80 | C | Light Green | g/s | |

070

92 009

A.2.7.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | E L E M E N T S (ppm) | | | | Ag | As | Au | | |
|---------------|-------|-----------------------|-----------|-----|------|----|----|---------|-----------|--|
| | | Cu | Pb | Zn | Mn | | | Ana/Amd | | |
| 11.250 | 52305 | 33 | 38 | 60 | 430 | x | 12 | | x | |
| " | 52310 | 65 | 55 | 70 | 320 | x | 13 | .002 | | |
| " | 52315 | 185 | 36 | 33 | 170 | x | 25 | | x | |
| " | 52320 | 100 | 60 | 90 | 330 | x | 12 | .005 | | |
| " | 52325 | 64 | 24 | 60 | 465 | x | 36 | | x | |
| " | 52330 | 75 | 5 | 75 | 160 | x | 2 | .001 | | |
| " | 52335 | 48 | 40 | 60 | 400 | x | 16 | | x | |
| " | 52340 | 30 | 10 | 55 | 250 | x | 19 | .002 | | |
| " | 52345 | 42 | 115 | 54 | 215 | x | 38 | .006 | x x .46 | |
| " | 52350 | 110 | x | 45 | 150 | x | 4 | .001 | | |
| " | 52355 | 1620 | 40 | 20 | 62 | x | 24 | .544 | .50 I/S x | |
| " | 52360 | 850 | 5 | 40 | 95 | x | 11 | .008 | | |
| " | 52365 | 900 | 115 | 120 | 175 | x | 42 | .011 | x .02 x | |
| " | 52370 | 250 | 5 | 115 | 665 | x | 11 | x | | |
| " | 52375 | 155 | 12 | 230 | 355 | x | 36 | .007 | x I/S .01 | |
| " | 52380 | 90 | x | 265 | 645 | x | 4 | x | | |
| " | 52385 | 105 | 14 | 335 | 1000 | x | 8 | .004 | x .02 .01 | |
| " | 52395 | 740 | 14 | 280 | 1580 | x | 10 | | x | |
| 11.250 | 52400 | 27 | 6 | 135 | 560 | x | 14 | | x | |
| 11.225 | 52175 | 86 | 125 | 8 | 105 | x | 30 | | x | |
| " | 52185 | 110 | 18 | 13 | 24 | x | 13 | | x | |
| " | 52195 | 355 | 14 | 43 | 175 | x | 36 | | x | |
| " | 52205 | 72 | 30 | 33 | 125 | x | 23 | | x | |
| " | 52215 | 27 | 6 | 50 | 310 | x | 19 | | x | |
| " | 52225 | 9 | 48 | 13 | 66 | x | 11 | | x | |
| " | 52235 | 7 | 18 | 11 | 70 | x | 15 | | x | |
| " | 52245 | 11 | 12 | 32 | 24 | x | 11 | | x | |
| " | 52255 | 39 | 120 | 21 | 115 | x | 27 | | x | |
| " | 52265 | 49 | 10 | 70 | 590 | x | 24 | | x | |
| " | 52275 | 30 | 68 | 76 | 560 | x | 39 | | x | |
| " | 52280 | 20 | x | 10 | 30 | x | 5 | .004 | | |
| " | 52285 | 72 | 66 | 74 | 200 | x | 64 | | x | |
| " | 52290 | | NO SAMPLE | | | | | | | |
| 11.225 | 52295 | 9 | 350 | 28 | 165 | x | 56 | | x | |

071

A.2.8.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | DEPTH | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|-------|---------|--------------------|---------------|--------------------|
| 11.225 | 52300 | 0.3 | C | Dk Yellow Brown | - | Friable |
| " | 52305 | 0.10 | - | Rock Chip | Schist | Outcrop |
| " | 52310 | 0.1 | C | Green | g/s | |
| " | 52315 | 2.00 | B | Red Green | | Probably fill? |
| " | 52320 | 0.5 | C? | Green Brown | - | Friable |
| " | 52325 | 0.25 | C | Brown Green | Schist | |
| " | 52330 | | NO | SAMPLE | | |
| " | 52335 | 1.20 | C | Dk Brown Green | Schist | |
| " | 52340 | 0.9 | C | Green | g/s | |
| " | 52345 | 1.10 | C | Red Brown | | |
| " | 52350 | 1.3 | C | Green | g/s | |
| " | 52355 | 1.10 | B | Red Clay | g/s | Transported? |
| " | 52360 | 0.2 | C | Green | g/s | |
| " | 52365 | 0.30 | B | Red Clay | - | Transported? |
| " | 52370 | 0.2 | C | Green | g/s | |
| " | 52375 | 0.85 | C | Dk Green | g/s | |
| " | 52380 | 0.8 | C? | Green | g/s | |
| " | 52385 | 0.50 | B | Orange Brown | - | Transported? |
| " | 52395 | 0.75 | C | Light Orange-Green | g/s | Friable |
| " | 52405 | 0.80 | C | Light Cream | g/s | Weathered veins? |
| " | 52415 | 1.00 | C | Orange - Green | g/s | Friable |
| 11.225 | 52425 | 1.00 | B | Orange Brown | | Transported clays |
| 11.200 | 52350 | 0.1 | C | Grey Green | g/s | Pulverised outcrop |
| " | 52355 | 1.2 | C | Red Green-Brown | - | Mottled |
| " | 52360 | 1.1 | C | " | g/s | Haematitic |
| " | 52365 | 0.7 | C | Green Brown | g/s | |
| " | 52370 | 1.2 | C?? | " | - | Hardpan |
| " | 52375 | | NO | SAMPLE | | |
| " | 52380 | | NO | SAMPLE | | |
| " | 52385 | 1.2 | C? | Green Brown | - | Hardpan |
| " | 52390 | | NO | SAMPLE | | |
| " | 52395 | 0.3 | C | Grey | Grey Phyllite | |
| 11.200 | 52400 | 0.7 | C | Green Brown | g/s | |

072

92 070

A.2.9.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | E L E M E N T S (DDM) | | | | | Ag | As | Au Ana/Amd | | |
|---------------|-------|-----------------------|-----------|-----|-----|---|-----|-----------|---------------|---------|--|
| | | Cu | Pb | Zn | Mn | | | | | | |
| 11.225 | 52300 | 55 | 85 | 120 | 255 | x | 20 | .001 | | | |
| " | 52305 | 16 | 34 | 190 | 600 | x | 5 | x | | | |
| " | 52310 | 70 | x | 125 | 470 | x | 6 | x | | | |
| " | 52315 | 450 | 92 | 17 | 82 | x | 20 | x | | | |
| " | 52320 | 120 | 10 | 65 | 465 | x | 9 | .001 | | | |
| " | 52325 | 37 | 20 | 68 | 530 | x | 15 | x | | | |
| " | 52330 | | NO SAMPLE | | | | | | | | |
| " | 52335 | 45 | 16 | 60 | 520 | x | 18 | x | | | |
| " | 52340 | 70 | x | 65 | 280 | x | 11 | .005 | | | |
| " | 52345 | 155 | 24 | 19 | 115 | x | 11 | .007 | x | x .03 | |
| " | 52350 | 155 | x | 40 | 190 | x | 6 | .003 | | | |
| " | 52355 | 340 | 175 | 32 | 135 | x | 42 | .028 | x | .05 .04 | |
| " | 52360 | 135 | x | 150 | 485 | x | 11 | .003 | | | |
| " | 52365 | 150 | 26 | 345 | 660 | x | 31 | .004 | x | .09 .03 | |
| " | 52370 | 60 | 10 | 250 | 685 | x | 7 | .001 | | | |
| " | 52375 | 150 | 66 | 360 | 910 | x | 39 | .005 | x | .02 .02 | |
| " | 52380 | 105 | 5 | 200 | 500 | x | 7 | .002 | | | |
| " | 52385 | 49 | 20 | 96 | 150 | x | 10 | .005 | x | x .02 | |
| " | 52395 | 43 | 68 | 145 | 560 | x | 28 | | x | | |
| " | 52405 | 9 | 6 | 4 | 14 | x | 8 | | x | | |
| " | 52415 | 98 | 16 | 37 | 490 | x | 32 | | x | | |
| 11.225 | 52425 | 220 | 80 | 62 | 250 | x | 58 | | x | | |
| 11.200 | 52350 | 25 | x | 85 | 720 | x | 26 | .004 | | | |
| " | 52355 | 95 | 5 | 50 | 45 | x | 5 | .146 | | | |
| " | 52360 | 195 | x | 25 | 55 | x | 6 | .020/.005 | | | |
| " | 52365 | 355 | x | 105 | 150 | x | 7 | .003/.003 | | | |
| " | 52370 | 1300 | 5 | 50 | 80 | x | 120 | .021/.005 | | | |
| " | 52375 | | NO SAMPLE | | | | | | | | |
| " | 52380 | | NO SAMPLE | | | | | | | | |
| " | 52385 | 550 | 30 | 160 | 240 | x | 9 | .002 | | | |
| " | 52390 | | NO SAMPLE | | | | | | | | |
| " | 52395 | 45 | x | 100 | 125 | x | 4 | .005 | | | |
| 11.200 | 52400 | 25 | x | 70 | 285 | x | 11 | .008 | | | |

073

A.2.10.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION N | E | DEPTH | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|-------|-----------|----------------------|----------------|----------------|
| 11.150 | 52205 | 1.5 | B | Green Brown | g/s | |
| " | 52215 | 0.45 | C | Dk Grey Green | g/s | |
| " | 52225 | 0.65 | C | Dk Red Brown | g/s | Fe Rich |
| " | 52235 | 0.30 | C | " | " | Fe Rich |
| " | 52245 | | NO SAMPLE | | | |
| " | 52255 | 1.5 | B | Orange Red | - | Banded Clays |
| " | 52265 | 0.5 | C | Green Brown | g/s | |
| " | 52275 | 1.1 | C | Creamy Orange | - | Clays |
| " | 52285 | 1.4 | C | Creamy Green | - | Clays |
| " | 52295 | 1.1 | C | Creamy Blue | Schists | |
| " | 52305 | 1.3 | C | Dk Blue | Schists | |
| " | 52315 | 1.2 | C | Light Cream Br. | - | |
| " | 52325 | 0.5 | C | " | - | Sandy Texture |
| " | 52335 | | NO SAMPLE | INFORMATION RECORDED | | |
| " | 52345 | | NO SAMPLE | INFORMATION RECORDED | | |
| " | 52350 | 0.7 | C? | Green Brown | g/s | |
| " | 52355 | 0.8 | C | Dk Green Brown | g/s | Qtz present |
| " | 52360 | | NO SAMPLE | | | |
| " | 52365 | 1.0 | C | Creamy - Orange | - | Sandy Texture |
| " | 52370 | | NO SAMPLE | | | |
| " | 52375 | 1.5 | B | Orange Brown | g/s | Transported |
| " | 52380 | 0.4 | C | Pale Green | Green Phyllite | |
| " | 52385 | 0.9 | C | Brown Grey | - | Mottled |
| " | 52395 | 0.8 | C | Light Green Orange | - | Sandy Texture |
| " | 52405 | 0.5 | C | Orange Brown | - | Green Tinge |
| " | 52415 | 1.0 | C | " | - | Clayey |
| " | 52425 | | NO SAMPLE | | | |
| " | 52435 | 0.7 | C | Creamy Blue | - | Foliated Clays |
| " | 52445 | 1.2 | C | " | - | " |
| " | 52455 | 1.2 | C | Orange Brown | Green Schist | |
| " | 52465 | 1.2 | C | " | " | |
| 11.150 | 52475 | 1.2 | C | " | " | |

07A

92 071 A.2.11.

SOIL SAMPLE DATA - SPECIMEN REEF SERIES

| LOCATION | | ELEMENTS (ppm) | | | | | Ag | As | Au | | | |
|-----------|-------|----------------|---------|---------|---------|---------|--------|---------|------|-----|-----|--|
| N | E | Cu | Pb | Zn | Mn | | | Ana/Amd | | | | |
| 11.150 | 52205 | 37 | 26 | 56 | 380 | x | 13 | x | | | | |
| " | 52215 | 19 | 135 | 6 | 62 | x | 31 | x | | | | |
| " | 52225 | 220 | 62 | 60 | 165 | x | 115 | x | | | | |
| " | 52235 | 98 | 16 | 30 | 290 | x | 28 | x | | | | |
| " | 52245 | NO SAMPLE | | | | | | | | | | |
| " | 52255 | 180 | 24 | 14 | 14 | x | 88 | x | | | | |
| " | 52265 | 215 | 20 | 37 | 140 | x | 28 | x | | | | |
| " | 52275 | 14 | 32 | 7 | 14 | x | 9 | x | | | | |
| " | 52285 | 76 | 30 | 56 | 105 | x | 13 | x | | | | |
| " | 52295 | 42 | 32 | 230 | 780 | x | 12 | x | | | | |
| " | 52305 | 21 | 24 | 76 | 410 | x | 9 | .011 | x | x | x | |
| " | 52315 | 27 | 22 | 72 | 210 | x | 9 | .002 | x | x | .01 | |
| " | 52325 | 23 | 52 | 43 | 270 | x | 13 | .004 | x | x | .02 | |
| " | 52335 | 16 | 115 | 76 | 780 | x | 30 | .005 | x | x | x | |
| " | 52345 | 60 | 42 | 100 | 790 | x | 18 | .001 | x | x | x | |
| " | 52350 | 55 | x | 65 | 315 | x | 6 | .005 | | | | |
| " | 52355 | 44 | 20 | 190 | 390 | x | 15 | .001 | x | x | .02 | |
| " | 52360 | NO SAMPLE | | | | | | | | | | |
| " | 52365 | 125 | 20 | 18 | 42 | x | 13 | .004 | x | I/S | .03 | |
| " | 52370 | NO SAMPLE | | | | | | | | | | |
| " | 52375 | 130 | 16 | 76 | 235 | x | 18 | .005 | x | x | .03 | |
| " | 52380 | 20 | 5 | 95 | 100 | x | 2 | .003 | | | | |
| " | 52385 | 21 | 14 | 35 | 165 | x | 12 | .002 | x | x | .01 | |
| " | 52395 | 68 | 12 | 31 | 300 | x | 21 | .001 | x | x | x | |
| " | 52405 | 22 | 16 | 36 | 425 | x | 9 | | x | | | |
| " | 52415 | 185 | 170 | 54 | 295 | x | 48 | | x | | | |
| " | 52425 | NO SAMPLE | | | | | | | | | | |
| " | 52435 | 16 | 22 | 25 | 225 | x | 9 | | x | | | |
| " | 52445 | 30 | 74 | 8 | 14 | x | 25 | | x | | | |
| " | 52455 | 9 | 20 | 4 | 6 | x | 11 | | x | | | |
| " | 52465 | 30 | 4 | 6 | 6 | x | 19 | | x | | | |
| 11.150 | 52475 | 84 | 84 | 58 | 46 | x | 78 | | x | | | |
| Method | | 101,1/1 | 101,1/1 | 101,1/1 | 101,1/1 | 102,1/2 | 114,x3 | 334 | 2/3 | 2/3 | 2/3 | |
| Detection | | 5, 2 | 5, 4 | 5, 2 | 5, 5 | 0.1, 1 | 1, 2 | .001 | .005 | .01 | .01 | |

NOTE: - Not Analysed Values right hand oriented - Amdel
 x Below limit of Detection Values left hand oriented - Analabs
 I/S Insufficient Sample

075

APPENDIX 3.0GOLDEN RIDGE PROSPECT

A.3.1. Golden Ridge Soil Samples - Location, Horizon, Colour,
Remarks and Analyses.

Geochemical Reports:

| | | |
|------------------|--------|--------------|
| Amdel AC 3340/86 | 49600E | 18.40-17.80N |
| | 18.20N | 49575-49595E |
| | 18.00N | 49540-49595E |
| | 17.80N | 49540-49595E |

076

A.3.2.

SOIL SAMPLE DATA - GOLDEN RIDGE SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|--------|--------------|---------|-------------------|-----------------|-------------------|
| 01.840 | 49600 | 0.7 | C | Light Grey | Grey Phyllite | |
| 01.835 | " | 0.4 | C | Light Grey | Grey Phyllite | |
| 01.830 | " | 0.5 | C | Light Grey | Grey Phyllite | |
| 01.825 | " | 1.3 | C | Light Grey | Grey Phyllite | |
| 01.820 | " | - | C | Light Grey & Tan | Phyllite | Mottled clay |
| 01.815 | " | 0.4 | C | Light Grey | Grey Phyllite | |
| 01.810 | " | - | C | Light Grey | Grey Phyllite | |
| 01.805 | " | 0.5 | C | Light Grey | Grey Phyllite | |
| 01.800 | " | 0.7 | C | Light Grey | Grey Phyllite | Qtz present |
| 01.795 | " | 1.0 | C | Light Grey | Grey Phyllite | Qtz present |
| 01.790 | " | 0.60 | C | Light Grey | Grey Phyllite | |
| 01.785 | " | 0.50 | C | Light Grey | Grey Phyllite | Qtz present |
| 01.780 | 49600 | 0.60 | C | Light Grey | Grey Phyllite | |
| 01.820 | 49575 | 0.30 | C | Dk Grey & Tan | Phyllite | edge of Cox's Fm? |
| " | 49580 | 0.50 | C | Tan & Light Green | Phyllite | |
| " | 49585 | 0.50 | C | Red Brown | Phyllite | Qtz present |
| " | 49590 | 0.40 | C | Light Grey | Phyllite | |
| 01.820 | 49595 | 0.60 | C | Light Grey | Phyllite | |
| 01.800 | 49540 | 1.30 | C | Light Tan | Weathered tuff? | West of Cox's Fm? |
| " | 49545 | 0.60 | C | Green Grey | Phyllite | mica rich |
| " | 49550 | 0.60 | C | Light Tan | Weathered tuff? | friable |
| " | 49550R | - | - | - | - | Rock Chip |
| 01.800 | 49555R | - | - | - | - | Rock Chip |

-077

SOIL SAMPLE DATA - GOLDEN RIDGE SERIES

| LOCATION | | ELEMENTS (ppm) | | | | | | |
|----------|--------|----------------|-----|----|------|----|----|----|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 01.840 | 49600 | 2 | 14 | 9 | 26 | x | 5 | x |
| 01.835 | " | x | 100 | 2 | 20 | x | 17 | x |
| 01.830 | " | 2 | 36 | 4 | 18 | x | 10 | x |
| 01.825 | " | 2 | 30 | 2 | 32 | x | 5 | x |
| 01.820 | " | 2 | 12 | 7 | 30 | x | 7 | x |
| 01.815 | " | 2 | 28 | 13 | 62 | x | 10 | x |
| 01.810 | " | x | 6 | 3 | 14 | x | 4 | x |
| 01.805 | " | 2 | 16 | 2 | 22 | x | 5 | x |
| 01.800 | " | x | 10 | x | 22 | x | x | x |
| 01.795 | " | x | 10 | 2 | 26 | x | 5 | x |
| 01.790 | " | 2 | 10 | x | 46 | x | 3 | x |
| 01.785 | " | 2 | 12 | 4 | 52 | x | 5 | x |
| 01.780 | 49600 | x | 12 | 2 | 16 | x | 8 | x |
| 01.820 | 49575 | 14 | 26 | 30 | 40 | x | 15 | x |
| " | 49580 | 4 | 40 | 9 | 36 | x | 17 | x |
| " | 49585 | 6 | 88 | 6 | 30 | x | 25 | x |
| " | 49590 | 2 | 36 | 2 | 26 | x | 5 | x |
| 01.820 | 49595 | 2 | 12 | 2 | 46 | x | 4 | x |
| 01.800 | 49540 | 425 | 54 | 62 | 1100 | x | 10 | x |
| " | 49545 | 62 | 46 | 37 | 60 | x | 24 | x |
| " | 49550 | 20 | 32 | 28 | 46 | x | 14 | x |
| " | 49550R | 12 | 52 | 39 | 38 | x | 12 | x |
| 01.800 | 49555R | 4 | 100 | 24 | 60 | x | 20 | x |

4978

A.3.4.

SOIL SAMPLE DATA - GOLDEN RIDGE SERIES

| LOCATION N | LOCATION E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|---------------|--------------|---------|-------------------|-----------------|-------------------|
| 01.800 | 49560 | 0.60 | C | Light Grey | Phyllite | Qtz nodule |
| " | 49565 | 0.80 | C | Cream Blue | - | Weathered Tuff? |
| " | 49570 | 0.75 | C | Light Grey | Phyllite | Qtz present |
| " | 49575 | 0.50 | C | " " | " | " |
| " | 49580 | 0.90 | C | " " | " | " |
| " | 49585 | 0.40 | C | Mid Grey | Phyllite | |
| " | 49590 | 0.40 | C | Mid Grey | Phyllite | |
| 01.800 | 49595 | 0.20 | C | Light Grey | Phyllite | Mica rich |
| 01.780 | 49540 | 1.2 | C | Light Grey | Phyllite | + Weathered Tuff? |
| " | 49545 | 1.3 | C | Light Grey | Phyllite | " " |
| " | 49550 | 0.80 | C | Light Tan & Brown | Phyllite | " " |
| " | 49555 | - | C | Dk Grey | Phyllite | |
| " | 49560 | 1.00 | C | Light Tan | Weathered Tuff? | |
| " | 49565 | 0.70 | C | Light Grey | Phyllite | |
| " | 49570 | - | C | Light Grey | Phyllite | |
| " | 49575 | - | C | Light Grey | Phyllite | |
| " | 49580 | 0.60 | C | Light Grey | Phyllite | + Qtz |
| " | 49585 | 0.50 | C | Light Grey | Phyllite | |
| " | 49590 | - | C | Light Grey | Phyllite | |
| 01.780 | 49595 | 0.50 | C | Light Grey | Phyllite | |

079

92 074
A.S.S.

SOIL SAMPLE DATA - GOLDEN RIDGE SERIES

| LOCATION | | E L E M E N T S (ppm) | | | | | | |
|-----------|-------|-----------------------|------|------|------|------|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 01.800 | 49560 | 16 | 66 | 14 | 20 | x | 33 | x |
| " | 49565 | 12 | 20 | 9 | 18 | x | 12 | x |
| " | 49570 | 3 | 12 | 3 | 30 | x | 2 | x |
| " | 49575 | 3 | 220 | 8 | 24 | x | 56 | x |
| " | 49580 | 2 | 8 | 2 | 22 | x | 3 | x |
| " | 49585 | 3 | 82 | 3 | 22 | x | 15 | x |
| " | 49590 | x | x | 2 | 20 | x | 6 | x |
| 01.800 | 49595 | 3 | 16 | x | 18 | x | 5 | x |
| 01.780 | 49540 | 29 | 20 | 26 | 26 | x | 17 | x |
| " | 49545 | 31 | 50 | 27 | 30 | x | 20 | x |
| " | 49550 | 9 | 94 | 20 | 32 | x | 26 | x |
| " | 49555 | 19 | 72 | 23 | 36 | x | 33 | x |
| " | 49560 | 11 | 32 | 38 | 50 | x | 24 | x |
| " | 49565 | 15 | 40 | 9 | 24 | x | 27 | x |
| " | 49570 | 3 | 6 | 7 | 36 | x | 4 | x |
| " | 49575 | 4 | 70 | 8 | 24 | x | 11 | x |
| " | 49580 | 3 | 86 | 5 | 24 | x | 18 | x |
| " | 49585 | 3 | 18 | 4 | 24 | x | 2 | x |
| " | 49590 | 4 | 8 | 17 | 36 | x | 2 | x |
| 01.780 | 49595 | 3 | 10 | 4 | 42 | x | 4 | x |
| Method | | A1/1 | A1/1 | A1/1 | A1/1 | A1/2 | x3 | A2/4 |
| Detection | | 2 | 4 | 2 | 5 | 1 | 2 | .005 |

Note: - Not Analysed

x Below limit of Detection.

APPENDIX 4.0FIDDLESTICKS PROSPECTA.4.1. Fiddlesticks Soil Samples - Location, Horizon, Colour,
Remarks and Analyses.

Geochemical Reports:

| | |
|------------------------|---------------------|
| Amdel AC 3340/86 | B 1200-1400 |
| | 89250N 49650-49790E |
| | 89200N 49660-49800E |
| Amdel 3/308/0 & | B 1230-1310 |
| Analabs 236.1 08 3581 | 89250N 49680-49760E |
| | 89200N 49680-49760E |
| Analabs 236.1 08 3663 | B 1215-1235 |
| | 89250N 49665-49775E |
| | 89200N 49665-49765E |
| Analabs 236.1 08 3715A | 89290N 49650-49800E |
| | 89170N 49650-49800E |

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SOIL SAMPLE DATA - FIDDLESTICKS SERIES

A.4.2.

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|--------------------|----------------------------|--------------------|
| 89.290 | 49800 | 1.2 | C | Red Haematitic | | Banded clays |
| " | 49790 | 0.9 | C | Creamy Yellow Br | | Foliated |
| " | 49780 | 0.9 | C | " | | " |
| " | 49770 | 1.2 | C | " | | " |
| " | 49760 | 0.7 | C | Red & Yellow Brown | | Banded |
| " | 49750 | 1.2 | C | Pale Cream Brown | | |
| " | 49740 | 0.3 | C | Green | Green schist (g/s) | |
| " | 49730 | 1.2 | C? | Orange Clays | above impenetrable hardpan | |
| " | 49720 | 0.9 | C | Red Brown | | Banded |
| " | 49710 | 0.7 | C | Bright Red Orange | | Friable |
| " | 49700 | 1.5 | B | NO SAMPLE | | |
| " | 49690 | 1.5 | B | NO SAMPLE | | |
| " | 49680 | 1.1 | C? | Green Brown | g/s | Float? |
| " | 49670 | 1.3 | C | Green | g/s | |
| " | 49660 | 0.1 | C? | | g/s | Rock Chips, float? |
| 89.290 | 49650 | 0.6 | C | Green | g/s | |
| 89.250 | 49650 | 1.4 | B | Orange Brown | | Layered clays |
| " | 49660 | 1.4 | B | " | | " |
| " | 49665 | 1.3 | C | Orange Brown | | Red tinge |
| " | 49670 | 1.5 | C | Orange Brown | | Green bands |
| " | 49675 | 0.7 | C | Green & Brown | g/s | Schistose clays |
| " | 49680 | 0.7 | C | Green Brown | | |
| " | 49685 | 0.4 | C | Grey Blue | Blue Grey Schist | |
| " | 49690 | 0.7 | C | Green Brown | | |
| " | 49695 | 1.0 | C | Orange Brown | | Grey banded |
| " | 49700 | 1.1 | C | Orange Brown | | |
| " | 49705 | 1.0 | C? | " | | Friable |
| " | 49710 | 1.1 | B | Brown | | Clayey |
| " | 49715 | 0.8 | C | Dk Orange | | Mottled clays |
| " | 49720 | 0.8 | C | Red & Brown | | Banded clays |
| " | 49725 | 1.2 | C? | Green Orange | | Banded |
| " | 49730 | 1.5 | C | Dk Orange Brown | | |
| 89.250 | 49735 | 0.7 | C | Orange Brown | g/s | Schistose |

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SOIL SAMPLE DATA - FIDDLESTICKS SERIES

| LOCATION | | E L E M E N T S (ppm) | | | | Ag | As | Au |
|----------|-------|-----------------------|-----|--------|------|-----|----|--------------|
| N | E | Cu | Pb | Zn | Mn | | | Ana/Amd |
| 89.290 | 49800 | 125 | 45 | 55 | 120 | x | x | x |
| " | 49790 | 50 | 15 | 35 | 10 | x | x | x |
| " | 49780 | 50 | 60 | 30 | 15 | | 9 | .006 |
| " | 49770 | 140 | 5 | 20 | 10 | | 9 | x |
| " | 49760 | 125 | 45 | 35 | 25 | x | x | x |
| " | 49750 | 60 | 20 | 85 | 440 | x | 2 | x |
| " | 49740 | 35 | 25 | 205 | 1100 | x | x | x |
| " | 49730 | 210 | 25 | 65 | 170 | x | 1 | x |
| " | 49720 | 130 | 15 | 65 | 75 | x | 4 | x |
| " | 49710 | 165 | 80 | 65 | 385 | x | x | x |
| " | 49700 | | NO | SAMPLE | | | | |
| " | 49690 | | NO | SAMPLE | | | | |
| " | 49680 | 95 | 40 | 90 | 255 | x | 4 | x |
| " | 49670 | 210 | 45 | 450 | 425 | x | 1 | x |
| " | 49660 | 140 | 10 | 255 | 1300 | x | 2 | x |
| 89.290 | 49650 | 185 | 10 | 90 | 565 | x | 4 | x |
| 89.250 | 49650 | 92 | 16 | 37 | 24 | x | 10 | x |
| " | 49660 | 120 | 8 | 14 | 10 | x | 3 | x |
| " | 49665 | 210 | x | 40 | 175 | x | 5 | .003 |
| " | 49670 | 355 | 70 | 30 | 125 | x | 23 | x |
| " | 49675 | 105 | x | 120 | 310 | x | 2 | x |
| " | 49680 | 415 | 66 | 180 | 510 | x | 17 | x x x .01 |
| " | 49685 | 50 | 25 | 25 | 15 | x | x | .004 |
| " | 49690 | 12 | 42 | 39 | 125 | x | 9 | x x x x |
| " | 49695 | 25 | x | 20 | 25 | 0.2 | 3 | .009 |
| " | 49700 | 245 | 66 | 60 | 160 | x | 20 | .021 x x .02 |
| " | 49705 | 130 | 10 | 35 | 25 | x | x | .001 |
| " | 49710 | 145 | 52 | 62 | 80 | x | 12 | x |
| " | 49715 | 125 | 10 | 80 | 95 | x | x | x |
| " | 49720 | 590 | 160 | 50 | 72 | x | 14 | x |
| " | 49725 | 220 | 85 | 165 | 660 | x | x | .001 |
| " | 49730 | 150 | 270 | 30 | 52 | x | 47 | .004 x x .01 |
| 89.250 | 49735 | 155 | 25 | 105 | 275 | x | x | .001 |

SOIL SAMPLE DATA - FIDDLESTICKS SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|------------------|-------------------|--------------------|
| 89.250 | 49740 | 1.1 | C | Dk Orange Brown | | |
| " | 49745 | 0.9 | C | Green | | Massive clays |
| " | 49750 | 1.0 | C | Mid Brown | | |
| " | 49755 | 1.2 | C | Orange Brown | | Banded, haematitic |
| " | 49760 | 1.1 | C | Pale Green-Brown | | |
| " | 49770 | 1.1 | C | Grey Green | g/s | |
| " | 49780 | 1.5 | B | Orange | | Massive clays |
| 89.250 | 49790 | 1.1 | C | Orange Brown | | Banded, talcose |
| Road | B1200 | 0.8 | C | Green Brown | g/s | |
| Traverse | B1210 | 1.0 | C | " | " | |
| " | B1215 | 1.2 | C | Cream Red Brown | Haematitic Schist | |
| " | B1220 | 1.3 | C | Purple Red | " " | |
| " | B1225 | 0.8 | C | Dark Green | g/s | |
| " | B1230 | 0.2 | C | Green Brown | g/s | |
| " | B1235 | 0.4 | C | Dark Green | g/s | |
| " | B1240 | 0.25 | | Green Brown | g/s | |
| " | B1245 | 0.5 | C | Red Brown | Haematitic Schist | Talcose |
| " | B1250 | 0.8 | C | Green Brown | g/s | Talcose |
| " | B1265 | 1.5 | B | Orange | | Clays |
| " | B1275 | 1.1 | C | Purple Red | Haematitic Schist | |
| " | B1295 | 1.0 | C | Brown Green | g/s | |
| " | B1300 | 0.5 | C | Green Brown | g/s | |
| " | B1305 | 1.0 | C | Creamy Brown | | Sandy |
| " | B1310 | 1.3 | C | Red Clays | | |
| " | B1315 | 0.5 | C | Brown Green | g/s | Haematitic bands |
| " | B1320 | 1.2 | C | " | g/s | " |
| " | B1325 | 1.5 | B | Yellow Brown | | Haematitic patches |
| " | B1330 | 1.0 | C | Blue Grey | Schists | |
| " | B1335 | 1.5 | B | Yellow Brown | | Haematitic patches |
| " | B1340 | 1.0 | C | " | | Mottled |
| " | B1350 | 1.3 | B | " | | Haematitic patches |
| Road | B1360 | 1.5 | B | Yellow Brown | | Haematitic patches |
| Traverse | B1370 | 1.0 | C | Mottled Yellow | Schistose | |

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SOIL SAMPLE DATA - FIDDLESTICKS SERIES

| LOCATION | | ELEMENTS (ppm) | | | | | | Au | |
|----------|-------|----------------|-----|-----|------|----|-----|---------|-------------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Ana/Amd | |
| 89.250 | 49740 | 275 | 48 | 58 | 26 | x | 10 | .048 | x x .02 |
| " | 49745 | 155 | 40 | 65 | 315 | x | x | .002 | |
| " | 49750 | 640 | 135 | 29 | 52 | x | 33 | .002 | .12 .08 .08 |
| " | 49755 | 755 | 20 | 25 | 25 | x | 19 | .026 | |
| " | 49760 | 78 | 16 | 9 | 82 | x | 18 | .004 | x x .01 |
| " | 49770 | 18 | 70 | 4 | 14 | x | 29 | | x |
| " | 49780 | 155 | 68 | 9 | 22 | x | 19 | | x |
| 89.250 | 49790 | 315 | 140 | 31 | 30 | x | 52 | | x |
| Road | B1200 | 74 | 135 | 325 | 1540 | x | 35 | | x |
| Traverse | B1210 | 80 | 38 | 160 | 440 | x | 15 | | x |
| " | B1215 | 105 | x | 25 | 40 | x | x | .001 | |
| " | B1220 | 385 | 74 | 49 | 46 | x | 16 | | x |
| " | B1225 | 55 | 10 | 165 | 725 | x | 3 | .001 | |
| " | B1230 | 190 | 20 | 82 | 790 | x | 15 | .015 | x .01 .02 |
| " | B1235 | 55 | 15 | 175 | 920 | x | x | .003 | |
| " | B1240 | 110 | 72 | 150 | 1200 | x | 42 | .013 | .05 .03 .03 |
| " | B1245 | 25 | 5 | 15 | 15 | x | x | x | |
| " | B1250 | 23 | 20 | 25 | 64 | x | 13 | .004 | x x .02 |
| " | B1265 | 190 | 140 | 62 | 140 | x | 27 | | x |
| " | B1275 | 165 | 54 | 32 | 46 | x | 9 | | x |
| " | B1295 | 295 | 105 | 45 | 42 | x | 10 | .004 | x I/S .02 |
| " | B1300 | 74 | 255 | 24 | 115 | x | 47 | .002 | x x .01 |
| " | B1305 | 245 | 120 | 12 | 34 | 1 | 22 | .064 | .05 .02 .05 |
| " | B1310 | 135 | 160 | 13 | 32 | x | 25 | x | x x .02 |
| " | B1315 | 105 | 32 | 76 | 670 | x | 17 | | x |
| " | B1320 | 195 | 340 | 15 | 18 | x | 62 | | x |
| " | B1325 | 94 | 290 | 13 | 20 | x | 43 | | x |
| " | B1330 | 62 | 105 | 9 | 14 | x | 90 | | x |
| " | B1335 | 170 | 195 | 10 | 6 | x | 25 | | x |
| " | B1340 | 82 | 14 | 9 | 16 | x | 76 | | x |
| " | B1350 | 135 | 680 | 56 | 16 | x | 115 | | x |
| Road | B1360 | 220 | 50 | 34 | 38 | x | 13 | | x |
| Traverse | B1370 | 90 | 52 | 13 | 8 | x | 14 | | x |

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A.4.6.

SOIL SAMPLE DATA - FIDDLESTICKS SERIES

| LOCATION N | LOCATION E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|---------------|--------------|---------|----------------------|--------------------|-------------------|
| Road | B1380 | 1.1 | C | Red Purple | Haematitic Schists | |
| | B1390 | 0.5 | C | Orange Brown | Green Schist | |
| Traverse | B1400 | 0.6 | C | Dark Brown | | Limonitic patches |
| 89.200 | 49660 | 0.8 | C | Green Orange | g/s | |
| " | 49665 | 0.9 | C | Bright Orange Brown | | |
| " | 49670 | 1.3 | C | Purple Red | Haematitic Schist | |
| " | 49675 | 1.1 | C | Cream Red Brown | | Mottled Schists |
| " | 49680 | 1.3 | C | Green Brown | Schists | |
| " | 49685 | 0.8 | C | Green | g/s | |
| " | 49690 | 0.7 | C | Dk Green Brown | g/s | Limonitic |
| " | 49695 | 0.3 | C | Green | g/s | |
| " | 49700 | 1.1 | C | Dk Green Brown | g/s | Limonitic |
| " | 49710 | 0.7 | C | Grey Green | Schists | Banded |
| " | 49720 | 1.1 | C | " | " | " |
| " | 49725 | 1.0 | C | Green | g/s | |
| " | 49730 | 1.5 | B | Orange | | Massive clays |
| " | 49735 | 0.9 | C | Grey Brown | | Schistose clays |
| " | 49740 | 1.1 | B | Mid Brown | | Massive clays |
| " | 49745 | 0.8 | C | Green Brown | | |
| " | 48750 | 1.1 | C? | Mid Brown | g/s | |
| " | 49755 | 0.8 | C | Green Brown | | Red Banded |
| " | 49760 | 1.0 | C? | Mid Brown | g/s | |
| " | 49765 | 0.8 | C | Orange Brown & Green | | Mottled, friable |
| " | 49770 | 1.5 | B | Creamy Orange | | Haematitic bands |
| " | 49780 | 1.2 | C? | " | | " |
| " | 49790 | 1.3 | C | " | | " |
| 89.200 | 49800 | 1.2 | C | " | | " |

SOIL SAMPLE DATA - FIDDLESTICKS SERIES

| LOCATION | | ELEMENTS (ppm) | | | | | Ag | As | Au |
|----------|-------|----------------|------|-----|------|-----|-----|----------------|----|
| N | E | Cu | Pb | Zn | Mn | | | Ana/Amd | |
| Road | B1380 | 135 | 385 | 21 | 60 | x | 72 | x | |
| | B1390 | 58 | 34 | 39 | 100 | x | 2 | x | |
| Traverse | B1400 | 110 | 100 | 92 | 2680 | x | 32 | x | |
| 89.200 | 49660 | 100 | 155 | 235 | 970 | x | 35 | x | |
| " | 49665 | 195 | 10 | 65 | 45 | x | 2 | .001 | |
| " | 49670 | 110 | 290 | 34 | 30 | x | 78 | x | |
| " | 49675 | 165 | x | 70 | 75 | x | 3 | .005 | |
| " | 49680 | 64 | 60 | 80 | 485 | x | 17 | .004 x x x | |
| " | 49685 | 95 | x | 90 | 600 | x | 4 | .004 | |
| " | 49690 | 135 | 140 | 135 | 700 | x | 24 | .003 x x .03 | |
| " | 49695 | 50 | 30 | 195 | 800 | x | 3 | .001 | |
| " | 49700 | 120 | 92 | 60 | 255 | x | 44 | .009 x I/S .02 | |
| " | 49710 | 8 | 1440 | 9 | 14 | x | 220 | x | |
| " | 49720 | 33 | 760 | 31 | 18 | x | 120 | x | |
| " | 49725 | 100 | x | 120 | 655 | x | x | .004 | |
| " | 49730 | 165 | 385 | 48 | 36 | x | 82 | .004 x x .02 | |
| " | 49735 | 155 | 25 | 50 | 25 | 0.5 | 2 | .002 | |
| " | 49740 | 230 | 84 | 58 | 42 | x | 20 | .006 x x .03 | |
| " | 49745 | 55 | 20 | 40 | 90 | 0.3 | 3 | .001 | |
| " | 49750 | 92 | 175 | 105 | 800 | x | 27 | .002 x x .02 | |
| " | 49755 | 310 | 60 | 80 | 435 | x | 2 | x | |
| " | 49760 | 235 | 1320 | 98 | 385 | x | 235 | .012 x x .01 | |
| " | 49765 | 135 | 10 | 30 | 55 | x | 12 | .009 | |
| " | 49770 | 115 | 40 | 24 | 12 | x | 14 | x | |
| " | 49780 | 105 | 34 | 12 | 16 | x | 26 | x | |
| " | 49790 | 345 | 860 | 28 | 50 | x | 220 | x | |
| 89.200 | 49800 | 200 | 48 | 56 | 215 | x | 18 | x | |

087

A.4.8.

SOIL SAMPLE DATA - FIDDLESTICKS SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|---------------------|-----------------|---------------------|
| 89.170 | 49800 | 0.7 | C | Creamy Brown | Ex Green Schist | |
| " | 49790 | 1.45 | C? | Mid Brown | - | Schistose clay |
| " | 49780 | 1.40 | C? | Orange Brown | - | Hardpan |
| " | 49770 | 0.7 | C | Creamy Blue & Brown | Schist | |
| " | 49760 | 0.5 | C | Creamy Yellow | Schist | |
| " | 49750 | 0.5 | C? | Mid Brown | - | Olive Green Banding |
| " | 49740 | 1.2 | C | Bright Orange Green | g/s | |
| " | 49730 | 0.5 | C | Green Grey | g/s | |
| " | 49720 | 0.5 | C | Green Orange | - | Schistose clay |
| " | 49710 | 0.3 | C? | Green Brown | g/s | Float? |
| " | 49700 | 0.3 | C? | " | " | " |
| " | 49690 | 0.7 | C | Bright Red Orange | - | |
| " | 49680 | 0.8 | C | Creamy Yellow Brown | - | Mottled |
| " | 49670 | 1.1 | C | Orange Brown | - | |
| " | 49660 | 0.3 | C | Green Brown | g/s | |
| 89.170 | 49650 | 0.7 | C | Green | g/s | Fe stained |

088

A.4.9.

SOIL SAMPLE DATA - FIDDLESTICKS SERIES

92 079

| LOCATION | | ELEMENTS (ppm) | | | | | Ag | As | Au |
|----------|-------|----------------|----|-----|-----|---|----|---------|----|
| N | E | Cu | Pb | Zn | Mn | | | Ana/Amd | |
| 89.170 | 49800 | 65 | 20 | 30 | 55 | x | 10 | x | |
| " | 49790 | 310 | 25 | 60 | 30 | x | 6 | .008 | |
| " | 49780 | 155 | 35 | 70 | 35 | x | 3 | .011 | |
| " | 49770 | 65 | 65 | 65 | 85 | x | 8 | .009 | |
| " | 49760 | 60 | 15 | 40 | 50 | x | 3 | x | |
| " | 49750 | 175 | 50 | 80 | 45 | x | 3 | x | |
| " | 49740 | 115 | 30 | 135 | 690 | x | x | x | |
| " | 49730 | 95 | 75 | 45 | 105 | x | 16 | .001 | |
| " | 49720 | 35 | 20 | 30 | 30 | x | 10 | x | |
| " | 49710 | 65 | 40 | 150 | 835 | x | 2 | x | |
| " | 49700 | 65 | 20 | 70 | 440 | x | 4 | .001 | |
| " | 49690 | 430 | 25 | 70 | 115 | x | 4 | .007 | |
| " | 49680 | 135 | 20 | 70 | 75 | x | 3 | x | |
| " | 49670 | 225 | 20 | 185 | 585 | x | 19 | .009 | |
| " | 49660 | 170 | 15 | 90 | 715 | x | 1 | x | |
| 89.170 | 49650 | 170 | 20 | 70 | 340 | x | 4 | x | |

| | | | | | | | |
|--------|---------|---------|---------|---------|---------|--------|-----------------|
| Method | 101,1/1 | 101,1/1 | 101,1/1 | 101,1/1 | 102,1/2 | 114,x3 | 334 2/3,2/3,2/3 |
|--------|---------|---------|---------|---------|---------|--------|-----------------|

| | | | | | | | |
|-----------|------|------|------|------|--------|------|-------------------|
| Detection | 5, 2 | 5, 4 | 5, 2 | 5, 5 | 0.1, 1 | 1, 2 | .001 .005,.01,.01 |
|-----------|------|------|------|------|--------|------|-------------------|

NOTE: - Not Analysed
 x Below limit of detection
 I/S Insufficient Sample

Values right hand oriented - Amdel
 Values left hand oriented - Analabs

APPENDIX 5.0

DAVIS CREEK PROSPECT

A.5.1. Davis Creek Soil Samples - Location, Horizon, Colour,
Remarks and Analyses.

Geochemical Reports:

| | | |
|------------------------|--------|--------------|
| Analabs 236.1 08 3607C | 11.80N | 51340-51950E |
| | 11.90N | 51370-51950E |
| | 12.00N | 51350-51950E |
| | 12.10N | 51450-51900E |
| Analabs 236.1 08 3637A | 12.10N | 51700-51780E |
| | 12.20N | 51550-51950E |
| | 12.30N | 51500-52220E |
| | 12.40N | 51510-52000E |
| Analabs 236.1 08 3724 | 11.90N | 51405-51435E |
| | 12.10N | 51435-51545E |
| | 12.20N | 51555-51675E |
| | 12.40N | 51505-51745E |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|----------------------|--------------------------|---|
| 11.80 | 51340 | 0.5 | C | Pale Grey Sands | Quartzite | Sample taken above fractured Qtzite outcrop |
| " | 51350 | 0.5 | C | " | " | " |
| " | 51360 | 0.5 | C | " | " | " |
| " | 51370 | 0.3 | C | " | " | " |
| " | 51380 | 1.5 | B | Mottled Brown | g/s | Clays |
| " | 51390 | 1.5 | B | Green Brown | | Massive clays |
| " | 51400 | 1.0 | C? | Pale Grey Sands | Quartzite | Transported layer? |
| " | 51410 | | NO | SAMPLE - ALLUVIUM | | |
| " | 51420 | | NO | SAMPLE - ALLUVIUM | | |
| " | 51430 | 0.5 | C | Yellow Brown | Weathered Schist | |
| " | 51440 | 1.5 | B | Orange Brown | | Clays |
| " | 51450 | 0.7 | C? | Green Brown | Green Schist | Red staining |
| " | 51460 | 1.45 | C? | Mid Brown | | Foliated clays |
| " | 51470 | 1.50 | B | Mid Brown | | Massive clays |
| " | 51480 | 1.50 | B | Orange Brown | | Massive clays |
| " | 51490 | 0.4 | C | Mid Brown | g/s | |
| " | 51500 | 0.5 | C | Brown Green | g/s | |
| " | 51510 | 0.7 | C? | Mottled Red Brown | | Transported? |
| " | 51520 | 0.8 | C | Creamy Brown | Silver green schist | |
| " | 51530 | 0.4 | C | " | " | |
| " | 51540 | 0.6 | B | Dark Brown | | unable to penetrate hardpan |
| " | 51550 | 1.00 | B | " | | " |
| " | 51560 | 0.90 | C | Yellow Orange | Pale Cream Schist | Talcosse |
| " | 51570 | 1.20 | C | " | " | " |
| " | 51580 | 1.40 | C | Yellow Brown & Red | | Banded clays |
| " | 51590 | 1.40 | C | Yellow Orange | Pale Cream Schist | Banded Fe staining |
| " | 51600 | 1.20 | C | Cream Yellow | Silver Schist | |
| " | 51610 | 1.20 | C | " | " | |
| " | 51620 | 0.80 | B | Massive Orange Clays | Fresh & Weathered Schist | Transported |
| " | 51630 | 0.50 | C | Red Brown | Schist | Fe stained |
| " | 51640 | 1.50 | B | Orange clay | | Massive |
| " | 51650 | 0.5 | C | Green Brown | Green Schist | |
| 11.80 | 51660 | 1.1 | C? | Orange Brown | g/s | Minor Haematite bands |

091

92.081
A.5.9.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION | | ELEMENTS (ppm) | | | | | | |
|----------|-------|----------------|----|--------|------|----|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 11.80 | 51340 | 5 | x | 15 | 30 | x | x | x |
| " | 51350 | x | x | 10 | 5 | x | 2 | .005 |
| " | 51360 | 5 | x | 5 | 15 | x | 2 | x |
| " | 51370 | x | x | 5 | 10 | x | 2 | x |
| " | 51380 | 5 | x | 10 | 5 | x | 2 | .015 |
| " | 51390 | 10 | x | 20 | 25 | x | 2 | .004 |
| " | 51400 | 5 | x | 5 | 5 | x | 2 | .003 |
| " | 51410 | | NO | SAMPLE | | | | |
| " | 51420 | | NO | SAMPLE | | | | |
| " | 51430 | 145 | x | 85 | 860 | x | 40 | .002 |
| " | 51440 | 155 | x | 85 | 660 | x | 3 | .002 |
| " | 51450 | 150 | x | 220 | 1150 | x | 3 | x |
| " | 51460 | 205 | x | 100 | 1350 | x | 2 | .001 |
| " | 51470 | 180 | x | 90 | 560 | x | 2 | .001 |
| " | 51480 | 105 | x | 100 | 290 | x | x | x |
| " | 51490 | 75 | x | 330 | 1005 | x | x | .001 |
| " | 51500 | 105 | x | 160 | 1250 | x | 3 | .001 |
| " | 51510 | 615 | x | 140 | 730 | x | 8 | .016 |
| " | 51520 | 65 | x | 60 | 120 | x | 8 | x |
| " | 51530 | 10 | x | 45 | 95 | x | x | x |
| " | 51540 | 150 | x | 205 | 1150 | x | x | x |
| " | 51550 | 145 | 10 | 140 | 640 | x | 98 | x |
| " | 51560 | 40 | x | 35 | 20 | x | 26 | x |
| " | 51570 | 40 | x | 25 | 20 | x | x | .001 |
| " | 51580 | 210 | x | 60 | 65 | x | x | .002 |
| " | 51590 | 50 | x | 20 | 15 | x | 7 | .001 |
| " | 51600 | 35 | x | 40 | 65 | x | x | .002 |
| " | 51610 | 55 | x | 45 | 105 | x | 2 | .001 |
| " | 51620 | 50 | x | 40 | 115 | x | x | x |
| " | 51630 | 85 | x | 135 | 355 | x | 14 | x |
| " | 51640 | 90 | x | 60 | 670 | x | x | .001 |
| " | 51650 | 105 | x | 115 | 415 | x | x | x |
| 11.80 | 51660 | 100 | x | 100 | 1850 | x | x | .001 |

0092

A.5.4.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|--------------------------------------|----------------------|----------------------|
| 11.80 | 51670 | 1.0 | B | Cream Brown | g/s | Transported clays |
| " | 51680 | 1.5 | B | " | " | Haematite bands |
| " | 51690 | 1.45 | B | Massive Orange Brown | g/s | Transported |
| " | 51700 | 1.0 | C | Med. Green Brown | | Friable |
| " | 51710 | 1.1 | C | Creamy Green Brown | | Sandy |
| " | 51720 | 1.5 | B | Massive Green Brown | g/s | Transported |
| " | 51730 | 0.7 | C | Med. Green Brown | | Friable |
| " | 51740 | 0.6 | C? | Dk Brown clays | g/s | Friable |
| " | 51750 | 0.4 | B | " | " | Impenetrable layer |
| " | 51760 | 0.5 | B | " | " | Friable |
| " | 51770 | 0.5 | C | Creamy Brown | Blocky Schist | Friable |
| " | 51780 | 1.0 | C | Brown Orange | Fe rich schist | "gossany" |
| " | 51790 | 1.3 | C | " | " | " |
| " | 51800 | 1.1 | C | " | " | " |
| " | 51810 | 1.2 | C | Creamy Green-orange | | |
| " | 51820 | 0.8 | C | " | | |
| " | 51830 | 1.2 | C | Orange Red | | Friable clays |
| " | 51840 | 1.0 | C | Green Orange | Silver Grey Phyllite | |
| " | 51850 | 1.2 | C | Orange Red | | Friable clays |
| " | 51860 | 1.1 | C | Creamy Green Brown | | |
| " | 51870 | 1.3 | C | Green-red | | Clays |
| " | 51880 | 1.4 | C | Yellow Brown | | Fe banded |
| " | 51890 | 1.35 | C | " | | " |
| " | 51900 | 0.7 | C | Creamy Green Brown | | |
| " | 51910 | 0.8 | C | Green Brown | Green schist | Qtz. present |
| " | 51920 | 0.8 | C | Pale Green Brown | " | |
| " | 51930 | 0.7 | C | Red Brown | Fe rich schist | |
| " | 51940 | 1.2 | C | Creamy Brown | | Friable clays |
| 11.80 | 51950 | 1.4 | C | Dk Grey Green | | Clays |
| 11.90 | 51350 | 1.4 | NO | SAMPLE | IMPENETRABLE | TRANSPORTED LAYER |
| " | 51360 | 1.5 | NO | SAMPLE | IMPENETRABLE | TRANSPORTED LAYER |
| " | 51370 | 1.2 | C | Qtz. set in Rusty light clay matrix. | - | |
| " | 51380 | 1.4 | C? | Mottled Mid Brown | Mica Schist | May be dump material |
| 11.90 | 51390 | 0.5 | C | Qtz. set in Rusty light clay matrix | - | |

093

A.5.5.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 082

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----|--------|------|----|----|-------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 11.80 | 51670 | 110 | x | 80 | 225 | x | x | .001 |
| " | 51680 | 115 | x | 170 | 770 | x | x | .002 |
| " | 51690 | 90 | x | 80 | 300 | x | x | .006 |
| " | 51700 | 125 | x | 130 | 595 | x | x | .001 |
| " | 51710 | 40 | x | 75 | 290 | x | x | .002 |
| " | 51720 | 35 | x | 70 | 140 | x | x | x |
| " | 51730 | 70 | x | 215 | 780 | x | x | .002 |
| " | 51740 | 155 | 10 | 195 | 1550 | x | x | .001 |
| " | 51750 | 80 | x | 125 | 490 | x | x | x |
| " | 51760 | 95 | 10 | 145 | 595 | x | x | .001 |
| " | 51770 | 65 | 20 | 80 | 360 | x | x | .003 |
| " | 51780 | 180 | 20 | 185 | 2600 | x | x | .002 |
| " | 51790 | 130 | 35 | 140 | 2150 | x | x | .002 |
| " | 51800 | 420 | 560 | 280 | 910 | x | x | .002 |
| " | 51810 | 105 | 35 | 160 | 885 | x | x | .010 |
| " | 51820 | 20 | 10 | 35 | 155 | x | x | .001 |
| " | 51830 | 90 | 70 | 40 | 70 | x | x | .002 |
| " | 51840 | 35 | 5 | 25 | 20 | x | x | .003 |
| " | 51850 | 130 | 15 | 70 | 105 | x | x | .002 |
| " | 51860 | 30 | 5 | 25 | 50 | x | x | .002 |
| " | 51870 | 255 | 10 | 155 | 220 | x | x | .006 |
| " | 51880 | 155 | 30 | 25 | 40 | x | 2 | .006 |
| " | 51890 | 165 | 95 | 35 | 35 | x | x | .002 |
| " | 51900 | 85 | 10 | 15 | 5 | x | 2 | .012 |
| " | 51910 | 215 | 25 | 25 | 15 | x | x | .003 |
| " | 51920 | 230 | 30 | 105 | 70 | x | 2 | .008 |
| " | 51930 | 305 | 40 | 40 | 110 | x | x | .014 |
| " | 51940 | 65 | x | 40 | 25 | x | 2 | .010 |
| 11.80 | 51950 | 85 | 65 | 40 | 25 | x | x | .009 |
| 11.90 | 51350 | | NO | SAMPLE | | | | |
| " | 51360 | | NO | SAMPLE | | | | |
| " | 51370 | 20 | x | 45 | 115 | x | x | .006 |
| " | 51380 | 20 | x | 40 | 75 | x | 3 | .012 |
| 11.90 | 51390 | 70 | 15 | 40 | 205 | x | x | 1.680 |

094

A.5.6.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|-----------|-----------------------|-----------------------|------------------------------|
| 11.90 | 51400 | 0.5 | C | Rusty Brown | | Friable clays |
| " | 51405 | 0.6 | C | Bright Orange Brown | | Friable |
| " | 51410 | 0.8 | C | Rusty Brown | | Friable clays |
| " | 51415 | 0.8 | C | Pinky Orange | Weathered Amphibolite | |
| " | 51420 | 1.0 | C | Rusty Brown | | Friable clays |
| " | 51425 | 0.6 | C? | Brown Mottled | | Clayey |
| " | 51430 | 1.5 | B | Massive Orange | | Clays |
| " | 51435 | 0.4 | C | Yellow Brown | | Friable |
| " | 51440 | 0.4 | C | Rusty Brown | | Friable clays |
| " | 51450 | 0.6 | C | Rusty Brown | | Friable clays |
| " | 51460 | 0.4 | C | Rusty Brown | | Friable clays |
| " | 51470 | 0.9 | C | Green Brown | | Ex green schist |
| " | 51480 | 0.8 | C | " | | " |
| " | 51490 | 0.8 | C | " | | " |
| " | 51500 | 1.3 | C | Green Brown | | Ex green schist |
| " | 51510 | 1.2 | C | Creamy Orange | | Friable clays |
| " | 51520 | 1.5 | NO SAMPLE | | | |
| " | 51530 | 0.7 | C? | Rusty Brown | | Friable clays |
| " | 51540 | 0.5 | C? | Rusty Brown | Qtz. chips | Friable clays |
| " | 51550 | 1.1 | C? | Rusty Brown | g/s and Qtz | Friable clays |
| " | 51560 | 1.3 | C? | Cream Brown | Silvery schists | |
| " | 51570 | 0.6 | C | Mottled Cream & Brown | Sands | + quartz |
| " | 51580 | 1.3 | C? | - | green schist | |
| " | 51590 | 1.1 | C | Creamy | Clear Qtz chips | Sandy sample |
| " | 51600 | 1.5 | B | Orange clays | | |
| " | 51610 | 0.8 | C | Orange | | Friable clays |
| " | 51620 | 1.2 | C | Orange | | Friable clays |
| " | 51630 | 1.35 | C | Creamy Brown | | |
| " | 51640 | 0.5 | C | Creamy | | Sandy sample |
| " | 51650 | 0.8 | C | Creamy Green Orange | green schist | Stringers of haematite bands |
| " | 51660 | 0.8 | C | Creamy Green Orange | green schist | |
| " | 51670 | 0.6 | C | Creamy Green Orange | green schist | + quartz |
| " | 51680 | 0.8 | C | Light Brown | green schist + Qtz | Fe stained |
| 11.90 | 51690 | 0.9 | C | Mid Green | non fissile schist | |

095

A.5.7.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 083

| LOCATION | | ELEMENTS (ppm) | | | | | | |
|----------|-------|----------------|-----------|-----|------|-----|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 11.90 | 51400 | 50 | 10 | 65 | 215 | x | 2 | .029 |
| " | 51405 | 95 | 5 | 40 | 260 | 0.3 | 6 | .053 |
| " | 51410 | 65 | x | 70 | 865 | x | x | .044 |
| " | 51415 | 105 | 5 | 60 | 275 | 0.2 | 4 | .009 |
| " | 51420 | 105 | 5 | 95 | 140 | x | x | .021 |
| " | 51425 | 65 | x | 75 | 320 | 0.3 | 5 | .005 |
| " | 51430 | 85 | x | 70 | 1040 | x | x | .010 |
| " | 51435 | 50 | x | 100 | 1200 | 0.3 | 4 | x |
| " | 51440 | 30 | 5 | 130 | 850 | x | 2 | .001 |
| " | 51450 | 115 | 5 | 170 | 2050 | x | 3 | .004 |
| " | 51460 | 175 | x | 140 | 1200 | x | 3 | x |
| " | 51470 | 90 | 10 | 90 | 540 | x | 3 | .001 |
| " | 51480 | 80 | 5 | 85 | 590 | x | x | x |
| " | 51490 | 130 | 5 | 160 | 500 | x | 2 | .001 |
| " | 51500 | 135 | 20 | 105 | 305 | x | 2 | .003 |
| " | 51510 | 60 | 5 | 45 | 55 | x | 3 | .003 |
| " | 51520 | | NO SAMPLE | | | | | |
| " | 51530 | 60 | x | 40 | 580 | x | x | .001 |
| " | 51540 | 85 | 5 | 65 | 130 | x | x | .004 |
| " | 51550 | 90 | x | 30 | 225 | x | 2 | .002 |
| " | 51560 | 80 | 5 | 35 | 65 | x | x | .004 |
| " | 51570 | 65 | x | 5 | 2200 | x | 7 | .008 |
| " | 51580 | 120 | 10 | 20 | 75 | x | 17 | .002 |
| " | 51590 | 125 | 65 | 25 | 50 | x | 20 | .008 |
| " | 51600 | 95 | 50 | 10 | 25 | x | 8 | .002 |
| " | 51610 | 45 | 10 | 15 | 40 | x | 21 | x |
| " | 51620 | 50 | x | 25 | 20 | x | 8 | .002 |
| " | 51630 | 110 | x | 30 | 25 | x | 6 | .004 |
| " | 51640 | 45 | x | x | 20 | x | 3 | .002 |
| " | 51650 | 120 | x | 90 | 135 | x | 11 | .005 |
| " | 51660 | 40 | x | 90 | 155 | x | 4 | .001 |
| " | 51670 | 20 | 25 | 180 | 450 | x | 5 | x |
| " | 51680 | 25 | x | 20 | 80 | x | x | .002 |
| 11.90 | 51690 | 40 | 20 | 170 | 715 | x | 3 | x |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|---------------------|-------------------|-------------------|
| 11.90 | 51700 | 1.3 | C | Creamy Green Orange | green schist | |
| " | 51710 | 0.3 | C | Rusty Brown | | Sandy, friable |
| " | 51720 | 0.4 | C | " | | " |
| " | 51730 | 0.7 | C | " | | " |
| " | 51740 | 0.5 | C | White Grey | quartzite | Fe rich band |
| " | 51750 | 0.6 | C | Orange Brown | g/s | |
| " | 51760 | 1.2 | C | " | " | |
| " | 51770 | 0.5 | C | Creamy Orange | g/s | |
| " | 51780 | 0.9 | C | " | " | |
| " | 51790 | 0.6 | C | Rusty Brown | | Sandy |
| " | 51800 | 0.7 | C | " | | Sandy, Fe rich |
| " | 51810 | 1.4 | C | " | | " |
| " | 51820 | 1.1 | C | Creamy Brown | | " |
| " | 51830 | 0.9 | C | Green Grey | g/s | |
| " | 51840 | 0.4 | C | " | " | |
| " | 51850 | 0.8 | C | Green Orange | | |
| " | 51860 | 0.4 | C | Green Orange | | |
| " | 51870 | 0.6 | C | Green | g/s | |
| " | 51880 | 0.8 | C | " | " | |
| " | 51890 | 0.6 | C | Rusty Red | | Black veinlets |
| " | 51900 | 0.6 | C | Dark Green | | |
| " | 51910 | 0.6 | C | Green | g/s | |
| " | 51920 | 0.8 | C? | Mid Brown | Green Grey schist | |
| " | 51930 | 1.5 | C | Orange | | Dk brown veinlets |
| " | 51940 | 1.5 | C? | Orange | | clays |
| 11.90 | 51950 | 1.0 | C | Cream Brown | | |
| 12.00 | 51350 | 1.5 | B | Brown | | Gritty |
| " | 51360 | 0.8 | C | Orange Brown | Grey Qtzite | |
| " | 51370 | 1.0 | C | Orange Brown | | Friable |
| " | 51380 | 1.4 | C | Mottled green/Br. | g/s | |
| " | 51390 | 0.6 | C | Sandy Fe clays | | |
| " | 51400 | 1.3 | C | White Grey | | Micaceous |
| 12.00 | 51410 | 1.2 | C | Sandy Fe clays | | |

097

A.5.9.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 084

| LOCATION | | ELEMENTS (ppm) | | | | | | |
|----------|-------|----------------|----|-----|-------|----|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 11.90 | 51700 | 50 | x | 65 | 380 | x | 3 | .004 |
| " | 51710 | 15 | x | 55 | 275 | x | 6 | x |
| " | 51720 | 20 | x | 60 | 100 | x | 8 | .001 |
| " | 51730 | 20 | x | 25 | 45 | x | 8 | .001 |
| " | 51740 | 35 | x | 10 | 15 | x | 5 | .001 |
| " | 51750 | 45 | 5 | 80 | 130 | x | 8 | .003 |
| " | 51760 | 95 | x | 50 | 35 | x | 2 | x |
| " | 51770 | 90 | x | 120 | 260 | x | 14 | x |
| " | 51780 | 60 | x | 35 | 100 | x | 21 | x |
| " | 51790 | 250 | 20 | 65 | 240 | x | 5 | .002 |
| " | 51800 | 255 | 10 | 150 | 1.85% | x | 5 | .001 |
| " | 51810 | 95 | 15 | 140 | 195 | x | 4 | .001 |
| " | 51820 | 140 | 60 | 95 | 540 | x | 4 | x |
| " | 51830 | 30 | 10 | 25 | 245 | x | x | x |
| " | 51840 | 30 | 20 | 90 | 295 | x | 9 | .003 |
| " | 51850 | 20 | 15 | 95 | 440 | x | 5 | .001 |
| " | 51860 | 155 | 40 | 170 | 790 | x | 5 | .003 |
| " | 51870 | 60 | 25 | 160 | 830 | x | 9 | .004 |
| " | 51880 | 50 | 20 | 100 | 350 | x | 38 | .004 |
| " | 51890 | 125 | 20 | 75 | 3100 | x | 38 | .003 |
| " | 51900 | 115 | 20 | 200 | 380 | x | 12 | .007 |
| " | 51910 | 60 | 70 | 75 | 175 | x | 18 | .003 |
| " | 51920 | 20 | 25 | 25 | 60 | x | 5 | x |
| " | 51930 | 215 | 25 | 80 | 100 | x | 9 | .001 |
| " | 51940 | 90 | 15 | 65 | 165 | x | 7 | x |
| 11.90 | 51950 | 165 | 5 | 65 | 135 | x | 7 | x |
| 12.00 | 51350 | 10 | 10 | 10 | 25 | x | 5 | x |
| " | 51360 | 5 | 5 | 10 | 10 | x | 7 | .001 |
| " | 51370 | 10 | 10 | 10 | 30 | x | x | x |
| " | 51380 | 5 | 5 | 10 | x | x | 2 | .001 |
| " | 51390 | 15 | 15 | 40 | 30 | x | 3 | x |
| " | 51400 | 5 | x | 5 | 5 | x | x | x |
| 12.00 | 51410 | 100 | 10 | 80 | 60 | x | 4 | .002 |

098

A.5.10.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|---------------------|-----------------|-----------------------|
| 12.00 | 51420 | 1.0 | C | Orange Brown | | Haematitic band |
| " | 51430 | 0.8 | C | Brown Green | g/s | |
| " | 51440 | 0.6 | C | Brown/Red/Black | | Mottled |
| " | 51450 | 0.6 | C | Red Brown | | Black veinlets |
| " | 51460 | 1.4 | C | " | | " |
| " | 51470 | 0.9 | C | " | | " |
| " | 51480 | 1.1 | C | Yellow Brown | | |
| " | 51490 | 1.4 | C | Yellow Brown | Silver schists | |
| " | 51500 | 1.3 | C | " | " | |
| " | 51510 | 0.3 | C | Mottled Cream Brown | | Sandy |
| " | 51520 | 0.3 | C | " | | " |
| " | 51530 | 1.0 | C | Mottled Orange Br. | | " |
| " | 51540 | 1.0 | C | " | | " |
| " | 51550 | 1.2 | C | " | | " |
| " | 51560 | 0.8 | C | " | | " |
| " | 51570 | 0.5 | C | " | | " |
| " | 51580 | 0.8 | C | Green Brown | | clays |
| " | 51590 | 0.7 | C | Brown Orange | | |
| " | 51600 | 1.1 | C | Green Brown | | |
| " | 51610 | 1.1 | C | Dk Red Brown | | |
| " | 51620 | 0.6 | C | Grey White | Quartzite | |
| " | 51630 | 0.6 | C | Orange Brown | | Sandy |
| " | 51640 | 0.9 | C | " | | " |
| " | 51650 | 0.7 | C | " | | " |
| " | 51660 | 0.6 | C | Creamy Brown | | Sandy |
| " | 51670 | 0.6 | C | " | | " |
| " | 51680 | 1.2 | C | " | | " |
| " | 51690 | 0.6 | C | Orange Brown | | Schistose clays |
| " | 51700 | | | | | NO SAMPLE DESCRIPTION |
| " | 51710 | 1.2 | C | Orange Brown | | |
| " | 51720 | 1.5 | B | NO SAMPLE | | |
| " | 51730 | 1.20 | C | Red Brown | | Friable |
| " | 51740 | 0.8 | C | Orange Brown | Ex green schist | |
| " | 51750 | 1.45 | C | Green Brown | green schist | |
| 12.00 | 51760 | 1.1 | C | Orange Brown | Ex green schist | |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 085

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----------|-----|------|----|----|------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.00 | 51420 | 25 | 5 | 10 | 15 | x | 4 | x |
| " | 51430 | 65 | 10 | 30 | 15 | x | 21 | x |
| " | 51440 | 65 | 15 | 20 | 200 | x | 13 | .002 |
| " | 51450 | 170 | 20 | 65 | 1300 | x | 16 | x |
| " | 51460 | 130 | 15 | 60 | 1600 | x | 3 | .002 |
| " | 51470 | 190 | x | 100 | 8350 | x | 4 | .001 |
| " | 51480 | 110 | x | 40 | 90 | x | 16 | .001 |
| " | 51490 | 95 | 5 | 20 | 25 | x | 10 | .001 |
| " | 51500 | 45 | x | 10 | 20 | x | 9 | x |
| " | 51510 | 40 | 5 | 40 | 195 | x | 7 | x |
| " | 51520 | 15 | x | 10 | 35 | x | 9 | x |
| " | 51530 | 55 | 5 | 30 | 60 | x | 4 | x |
| " | 51540 | 25 | x | 15 | 55 | x | 8 | .025 |
| " | 51550 | 20 | 5 | 10 | 25 | x | 2 | x |
| " | 51560 | 80 | x | 130 | 275 | x | 6 | .001 |
| " | 51570 | 185 | 15 | 150 | 2550 | x | 4 | x |
| " | 51580 | 110 | x | 195 | 440 | x | 8 | x |
| " | 51590 | 110 | 85 | 125 | 320 | x | x | x |
| " | 51600 | 50 | x | 95 | 25 | x | 2 | x |
| " | 51610 | 55 | x | 95 | 185 | x | x | x |
| " | 51620 | 10 | x | x | 10 | x | 5 | .002 |
| " | 51630 | 50 | x | 30 | 35 | x | 2 | x |
| " | 51640 | 30 | x | 20 | 30 | x | 3 | .004 |
| " | 51650 | 15 | x | 5 | 10 | x | 22 | .017 |
| " | 51660 | 35 | x | 15 | 125 | x | 8 | .001 |
| " | 51670 | 25 | x | 10 | 15 | x | 4 | .028 |
| " | 51680 | 30 | 5 | 25 | 25 | x | 6 | .001 |
| " | 51690 | 50 | x | 40 | 40 | x | 3 | .001 |
| " | 51700 | 45 | x | 40 | 35 | x | 6 | .004 |
| " | 51710 | 145 | 10 | 80 | 55 | x | 4 | .003 |
| " | 51720 | | NO SAMPLE | | | | | |
| " | 51730 | 145 | 15 | 75 | 60 | x | x | .012 |
| " | 51740 | 110 | 10 | 105 | 210 | x | 2 | .012 |
| " | 51750 | 90 | 20 | 110 | 305 | x | 7 | x |
| 12.00 | 51760 | 75 | 15 | 20 | 20 | x | 6 | .002 |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|----------------------|--------------------|-------------------|
| 12.00 | 51770 | 1.4 | C | Yellow Brown | | Friable |
| " | 51780 | 0.8 | C | Orange Brown | Ex green schist | |
| " | 51790 | 1.1 | C | Orange Brown | Ex green schist | |
| " | 51800 | 0.9 | C | Rusty Brown | | |
| " | 51810 | 0.5 | C | Orange Brown | Ex green schist | |
| " | 51820 | 1.3 | C | " | " | |
| " | 51830 | 0.5 | C | " | " | |
| " | 51840 | 0.4 | C | " | " | |
| " | 51850 | 0.8 | C | Orange Brown | Ex green schist | |
| " | 51860 | 1.2 | C | Orange Brown | Ex green schist | |
| " | 51870 | 1.0 | C | Creamy Green | | |
| " | 51880 | 0.8 | C | Green | green schist | |
| " | 51890 | 0.7 | C | Light Brown | | Sandy |
| " | 51900 | 0.5 | C | Mottled Yellow Brown | | Transition bed? |
| " | 51910 | 0.3 | C | White Grey | Dark grey phyllite | Sandy, siliceous |
| " | 51920 | 0.3 | C | White Grey | Dark grey phyllite | Sandy, siliceous |
| " | 51930 | 1.1 | C | Orange | | |
| " | 51940 | 1.2 | C? | Mid Brown | green schist | 'Blocky' schist |
| 12.00 | 51950 | 1.0 | C | Orange Brown | | Mottled |
| 12.10 | 51450 | 0.7 | C | Creamy Orange Br. | | |
| " | 51455 | 0.7 | C | Reddy Brown | | Black patchy clay |
| " | 51460 | 0.8 | C | Creamy Orange | | Haematitic |
| " | 51465 | 1.2 | C | Deep Red Brown | | Friable |
| " | 51470 | 1.5 | C | Red | | Friable |
| " | 51475 | 0.2 | C | Crimson Red Yellow | | Mottled & banded |
| " | 51480 | 0.9 | C | Pale Cream | Silvery schist | |
| " | 51485 | 0.3 | C | Green clays | Fresh amphibolite? | |
| " | 51490 | 1.1 | C | Pale Cream | Silvery schist | |
| " | 51495 | 0.2 | C | Orange & Green/Grey | | Mottled |
| " | 51500 | 0.8 | C | Pale Cream | Silvery schist | |
| " | 51505 | 0.5 | C | Creamy Orange Br. | | Mottled |
| " | 51510 | 0.6 | C | Pale Cream | Silvery schist | |
| 12.10 | 51515 | 0.1 | C | Creamy Orange | | Friable |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 086

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----------|-----|-----|-----|----|------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.00 | 51770 | 55 | 10 | 55 | 150 | x | x | .002 |
| " | 51780 | 70 | 10 | 30 | 20 | x | 2 | x |
| " | 51790 | 110 | 30 | 15 | 30 | x | 5 | .004 |
| " | 51800 | 150 | 20 | 55 | 170 | x | x | .002 |
| " | 51810 | 80 | x | 30 | 145 | x | 4 | .003 |
| " | 51820 | 270 | 20 | 115 | 255 | x | 3 | .003 |
| " | 51830 | 70 | 5 | 30 | 80 | x | x | .003 |
| " | 51840 | 65 | 10 | 30 | 270 | x | x | .003 |
| " | 51850 | 65 | 10 | 120 | 140 | x | x | .003 |
| " | 51860 | 45 | 5 | 75 | 85 | x | x | .003 |
| " | 51870 | 30 | x | 50 | 140 | x | x | .003 |
| " | 51880 | 55 | 5 | 215 | 650 | x | x | .001 |
| " | 51890 | 30 | x | 45 | 170 | x | x | .002 |
| " | 51900 | 10 | 5 | 45 | 75 | x | x | .003 |
| " | 51910 | 5 | x | 5 | 20 | x | x | .004 |
| " | 51920 | 5 | x | x | 15 | x | 32 | .004 |
| " | 51930 | 115 | 30 | 145 | 490 | x | x | .003 |
| " | 51940 | 105 | 30 | 100 | 500 | x | 5 | .003 |
| 12.00 | 51950 | 105 | 35 | 145 | 595 | x | x | .004 |
| 12.10 | 51450 | 105 | 5 | 85 | 190 | x | 8 | .014 |
| " | 51455 | 85 | 5 | 100 | 265 | 0.3 | 6 | .001 |
| " | 51460 | 95 | 20 | 75 | 90 | x | x | .006 |
| " | 51465 | 220 | 25 | 25 | 30 | 0.3 | 9 | .006 |
| " | 51470 | | NO SAMPLE | | | | | |
| " | 51475 | 25 | 5 | 25 | 15 | 0.3 | 7 | x |
| " | 51480 | 85 | 15 | 65 | 15 | x | 9 | .021 |
| " | 51485 | 20 | x | 105 | 685 | 0.2 | 3 | x |
| " | 51490 | 15 | 10 | 10 | 10 | x | x | .038 |
| " | 51495 | 25 | 60 | 120 | 205 | 0.3 | 5 | x |
| " | 51500 | 75 | 5 | 35 | 30 | x | 36 | .006 |
| " | 51505 | 20 | x | 25 | 35 | 0.4 | 22 | x |
| " | 51510 | 20 | x | 10 | 20 | x | 21 | .010 |
| 12.10 | 51515 | 10 | x | 5 | 10 | 0.3 | 9 | .031 |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|--------------------|------------------|--------------------------------|
| 12.10 | 51520 | 0.7 | C | Pale Cream | Silvery schist | |
| " | 51525 | 0.4 | C | Grey Blue | Grey Blue schist | |
| " | 51530 | 0.7 | C | Pale Cream | Silvery schist | |
| " | 51535 | 0.8 | C | Orange Brown | | Friable |
| " | 51540 | 0.7 | C | Pale Cream-Orange | | Foliated clays |
| " | 51545 | 0.8 | C | Orange Brown | | Friable |
| " | 51550 | 1.1 | C | Dk Red Brown | | Fe staining black veinlets. |
| " | 51560 | 0.7 | C | Dark Red Brown | | Fe staining black veinlets |
| " | 51570 | 0.6 | C | Dark Red Brown | | Fe staining black veinlets |
| " | 51580 | 0.7 | C? | Mid Brown | | |
| " | 51590 | 0.9 | C | Mid Brown | | Friable |
| " | 51600 | 0.8 | C | Creamy Blue | Phyllite | |
| " | 51610 | 0.4 | C | Green Brown | | Fe rich |
| " | 51620 | 1.0 | C | Dk Creamy Orange | | Fe staining black veinlets |
| " | 51630 | 1.5 | B | NO SAMPLE | | |
| " | 51640 | 0.6 | C | Orange | | Foliated clays |
| " | 51650 | 0.9 | C | Orange | | Foliated clays |
| " | 51660 | 0.6 | C | Orange | | Foliated clays |
| " | 51670 | 1.4 | C | Orange, Fe stained | | Foliated clays |
| " | 51680 | 1.2 | C | Green Brown | | |
| " | 51690 | 1.5 | B | NO SAMPLE | | |
| " | 51700 | 1.6 | C | Yellow Brown | | Friable |
| " | 51710 | 2.0 | C? | Orange Brown | | Clayey |
| " | 51720 | 1.2 | C | Orange Brown | | Friable |
| " | 51730 | 1.3 | C | Orange Brown | Silvery schist | |
| " | 51740 | 1.7 | C | Mid Brown | green schist | talcy |
| " | 51750 | 1.2 | C | Greeny Brown | | |
| " | 51760 | 0.7 | C | Greeny Brown | | |
| " | 51770 | 1.2 | C | Orange Brown | | Friable |
| " | 51780 | 0.5 | C | " | | " |
| " | 51790 | 0.8 | C | Bright Orange | | Friable |
| 12.10 | 51800 | 1.3 | C | " | | Friable |

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A.5.15.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 087

| LOCATION | | ELEMENTS (ppm) | | | | | | |
|----------|-------|----------------|----|--------|------|-----|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.10 | 51520 | 15 | x | 10 | 15 | x | 20 | .009 |
| " | 51525 | 10 | x | x | 10 | 0.3 | 3 | x |
| " | 51530 | 65 | 15 | 75 | 280 | x | x | .004 |
| " | 51535 | 70 | 5 | 120 | 225 | 0.4 | 3 | x |
| " | 51540 | 40 | x | 50 | 115 | x | x | .004 |
| " | 51545 | 75 | x | 105 | 605 | 0.2 | 2 | x |
| " | 51550 | 60 | 10 | 110 | 450 | x | x | x |
| " | 51560 | 110 | 10 | 80 | 3650 | x | 2 | x |
| " | 51570 | 90 | 15 | 85 | 5250 | x | 3 | x |
| " | 51580 | 110 | 15 | 85 | 285 | x | 3 | .005 |
| " | 51590 | 150 | 20 | 85 | 210 | x | x | .003 |
| " | 51600 | 20 | 10 | 45 | 255 | x | x | x |
| " | 51610 | 15 | 10 | 15 | 65 | x | 2 | .001 |
| " | 51620 | 120 | 15 | 35 | 20 | x | 7 | x |
| " | 51630 | | NO | SAMPLE | | | | |
| " | 51640 | 60 | 10 | 25 | 35 | x | 9 | .002 |
| " | 51650 | 20 | 10 | 15 | 15 | x | 7 | x |
| " | 51660 | 25 | 10 | 20 | 25 | x | 8 | x |
| " | 51670 | 55 | 5 | 25 | 20 | 0.2 | 5 | x |
| " | 51680 | 85 | 15 | 40 | 75 | x | 3 | .007 |
| " | 51690 | | NO | SAMPLE | | | | |
| " | 51700 | 30 | x | 10 | 5 | x | 7 | x |
| " | 51710 | 90 | x | 30 | 30 | x | 2 | .001 |
| " | 51720 | 25 | x | 15 | 10 | x | 5 | .001 |
| " | 51730 | 20 | x | 20 | 25 | x | 7 | x |
| " | 51740 | 40 | x | 15 | 10 | x | 7 | .001 |
| " | 51750 | 40 | x | 15 | 10 | x | 9 | x |
| " | 51760 | 20 | x | 30 | 110 | x | 3 | .001 |
| " | 51770 | 60 | x | 10 | 10 | x | 4 | .003 |
| " | 51780 | 60 | x | 15 | 10 | x | 3 | .004 |
| " | 51790 | 50 | 5 | 20 | 10 | x | x | x |
| 12.10 | 51800 | 155 | 15 | 65 | 30 | 0.3 | 6 | x |

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SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|------------------|------------------|----------------|--------------|-------------------------|--------------------------|------------------------------|
| 12.10 | 51810 | 0.8 | C | Orange Brown | Silvery schist | Fe staining |
| " | 51820 | 1.2 | C | " | " | " |
| " | 51830 | 0.7 | C | Orange Brown | Ex green schist | |
| " | 51840 | 1.0 | C | Orange Brown | Silvery schist | Fe staining |
| " | 51850 | 1.1 | C | Creamy Orange Brown | | |
| " | 51860 | 1.3 | C | " | " | Banded clays |
| " | 51870 | 1.5 | C? | " | " | Heavy clays |
| " | 51880 | 1.0 | C | " | " | Banded clays |
| " | 51890 | 1.0 | C | " | " | Banded, + qtz. |
| 12.10 | 51900 | 1.2 | C | " | " | Banded clays |
| 12.20 | 51550 | 1.0 | C | Yellow Brown | | Friable |
| " | 51555 | 0.5 | C | Orange Brown | | Friable |
| " | 51560 | 0.9 | C | Orange & Green | | Friable |
| " | 51565 | 0.4 | C | Red Orange Brown | Dark dense chips | |
| " | 51570 | 1.0 | C | Dk Red Brown | | Fe stained black veinlets |
| " | 51575 | 1.5 | C? | Brown, sticky | | Clayey |
| " | 51580 | 0.7 | C | Orange Brown | | Haematitic |
| " | 51585 | 1.5x3 | | NO SAMPLE | | |
| " | 51590 | 1.0 | C | Creamy Yellow | | Foliated clays |
| " | 51595 | 0.7 | C | Orange Brown | | Sandy |
| " | 51600 | 0.7 | C | Pale Cream Yellow | Silvery schist | |
| " | 51605 | 0.5 | C | Green Brown | Ex green schist | Friable |
| " | 51610 | 0.3 | C | Mottled Brown Black | | Friable |
| " | 51615 | 0.5 | C | Red Brown | | Friable |
| " | 51620 | 1.4 | C? | Orange Brown | g/s | Transported? |
| " | 51625 | 0.6 | C | Mottled Browns | | Hardpan |
| " | 51630 | 0.8 | C | Mottled Red Brown | Fe stained schist | Friable |
| " | 51635 | 0.5 | C | Red Orange & Black | | Mottled |
| " | 51640 | 1.2 | C | Mottled Cream Brown | | |
| " | 51645 | 1.0 | C | Mottled Browns | | Sandy |
| 12.20 | 51650 | 0.9 | C | Yellow Brown | Silver schist | Friable |

105

A.5.17.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 088

| LOCATION | | E L E M E N T S (ppm) | | | | | | |
|----------|-------|-----------------------|----|-----|------|-----|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.10 | 51810 | 70 | 15 | 35 | 30 | x | 3 | x |
| " | 51820 | 190 | 40 | 155 | 330 | x | 6 | .002 |
| " | 51830 | 45 | x | 20 | 60 | x | x | x |
| " | 51840 | 55 | x | 100 | 400 | x | 3 | x |
| " | 51850 | 105 | x | 85 | 155 | x | 16 | .001 |
| " | 51860 | 40 | 10 | 25 | 30 | x | 5 | x |
| " | 51870 | 260 | x | 20 | 30 | x | 7 | .003 |
| " | 51880 | 55 | x | 30 | 40 | x | 7 | x |
| " | 51890 | 50 | x | 55 | 130 | x | 17 | x |
| 12.10 | 51900 | 60 | x | 35 | 25 | x | 38 | x |
| 12.20 | 51550 | 65 | x | 105 | 180 | x | 2 | .001 |
| " | 51555 | 180 | x | 85 | 815 | 0.3 | 3 | x |
| " | 51560 | 435 | x | 55 | 195 | x | x | .002 |
| " | 51565 | 130 | 5 | 50 | 525 | 0.2 | 6 | .028 |
| " | 51570 | 205 | x | 80 | 7250 | x | 2 | .001 |
| " | 51575 | 55 | 10 | 30 | 75 | 0.3 | 6 | x |
| " | 51580 | 260 | 20 | 45 | 410 | x | 3 | .001 |
| " | 51585 | NO SAMPLE | | | | | | |
| " | 51590 | 70 | x | 40 | 105 | x | 5 | .004 |
| " | 51595 | 25 | 5 | 10 | 45 | 0.3 | 4 | x |
| " | 51600 | 30 | 10 | 50 | 160 | x | 3 | .001 |
| " | 51605 | 25 | 5 | 55 | 225 | 0.3 | 4 | .041 |
| " | 51610 | 25 | x | 105 | 5750 | x | x | .046 |
| " | 51615 | 60 | 10 | 115 | 120 | 0.3 | 5 | .008 |
| " | 51620 | 95 | 25 | 95 | 180 | x | 4 | .001 |
| " | 51625 | 55 | x | 65 | 135 | 0.3 | 4 | .002 |
| " | 51630 | 50 | x | 115 | 1450 | x | 2 | .051 |
| " | 51635 | 60 | 5 | 75 | 725 | 0.2 | 8 | .008 |
| " | 51640 | 70 | x | 75 | 60 | x | 3 | .001 |
| " | 51645 | 85 | 5 | 155 | 75 | 0.4 | 5 | .012 |
| 12.20 | 51650 | 65 | 80 | 45 | 40 | x | 6 | .005 |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|----------------------|----------------------|-----------------|
| 12.20 | 51655 | 1.1 | C | Creamy Brown | green schist | |
| " | 51660 | 0.9 | C | Orange | | Friable, silty |
| " | 51665 | 1.9 | C | Creamy Brown | green schist | Sandy |
| " | 51670 | 0.9 | C | Yellow Brown | Silver schist | Friable |
| " | 51675 | | | | NO SAMPLE | DESCRIPTION |
| " | 51680 | 0.6 | C | Yellow Brown | Silver schist | Friable |
| " | 51690 | 0.5 | C | Mottled Creamy Brown | | |
| " | 51700 | 0.5 | C | Rusty Brown | Fe coated qtz. | 'Gossanous' |
| " | 51710 | 0.5 | C | Pale Brown | Silvery green schist | Friable |
| " | 51720 | 0.6 | C | Pale Green Brown | Pale green schist | Friable |
| " | 51730 | 1.1 | C | Red Brown | Fe rich schist | Fe banded |
| " | 51740 | 0.6 | C | " | | Black veinlets |
| " | 51750 | 1.3 | C | " | | " |
| " | 51760 | 1.2 | C | " | | Friable |
| " | 51770 | 1.5 | B | NO SAMPLE | | |
| " | 51780 | 1.4 | C? | Orange | | Clays |
| " | 51790 | 1.0 | C | Olive Green | | |
| " | 51800 | 1.2 | C? | Pale Green | | Sandy |
| " | 51810 | 0.9 | C | Brown Black | | Friable |
| " | 51820 | 0.8 | C | Orange Brown | | Friable |
| " | 51830 | 0.5 | C | Yellow Brown | Silver green schist | |
| " | 51840 | 0.6 | C | Bright Orange Brown | | Friable |
| " | 51850 | 0.6 | C | Yellow Brown | | Friable |
| " | 51860 | 0.6 | C | " | | " |
| " | 51870 | 0.3 | C | Green Grey | | Schistose clays |
| " | 51880 | 1.3 | C | " | | " |
| " | 51890 | 1.0 | C | " | | " |
| " | 51900 | 1.0 | C | " | | " |
| " | 51910 | 0.8 | C | " | | " |
| " | 51920 | 1.4 | C | Green | green schist | |
| " | 51930 | 0.5 | C | Green Grey | | Schistose clays |
| " | 51940 | 1.0 | C | Creamy Green | | " |
| 12.20 | 51950 | 0.8 | C | Brown Green | | " |

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A. S. 19.

92 089

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION | | E L E M E N T S (ppm) | | | | | | |
|----------|-------|-----------------------|----|--------|------|-----|----|------|
| N | E | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.20 | 51655 | 110 | 30 | 250 | 175 | 0.3 | 7 | .120 |
| " | 51660 | 30 | x | 10 | 25 | x | 2 | .003 |
| " | 51665 | 20 | x | 15 | 45 | 0.4 | 4 | .025 |
| " | 51670 | 30 | x | 25 | 35 | x | x | .012 |
| " | 51675 | 30 | 5 | 50 | 180 | 0.3 | 5 | .008 |
| " | 51680 | 45 | x | 25 | 40 | x | x | .001 |
| " | 51690 | 20 | x | 15 | 20 | x | 4 | .001 |
| " | 51700 | 25 | x | 30 | 75 | x | 4 | .001 |
| " | 51710 | 60 | 5 | 40 | 80 | x | x | x |
| " | 51720 | 30 | x | 35 | 75 | x | 2 | .004 |
| " | 51730 | 25 | x | 65 | 390 | x | x | .003 |
| " | 51740 | 105 | x | 50 | 1150 | x | x | .001 |
| " | 51750 | 50 | x | 25 | 550 | x | x | x |
| " | 51760 | 95 | x | 25 | 165 | x | | .001 |
| " | 51770 | | NO | SAMPLE | | | | |
| " | 51780 | 45 | x | 35 | 75 | x | 4 | x |
| " | 51790 | 50 | x | 60 | 90 | x | 3 | .002 |
| " | 51800 | 20 | x | 20 | 320 | x | 8 | x |
| " | 51810 | 110 | x | 65 | 7100 | x | 16 | .001 |
| " | 51820 | 35 | x | 40 | 100 | x | 6 | x |
| " | 51830 | 30 | x | 50 | 90 | x | 6 | x |
| " | 51840 | 15 | x | 25 | 60 | x | 11 | x |
| " | 51850 | 40 | x | 15 | 25 | x | 7 | .001 |
| " | 51860 | 50 | x | 45 | 70 | x | 3 | .001 |
| " | 51870 | 60 | x | 175 | 980 | x | 3 | x |
| " | 51880 | 40 | x | 70 | 135 | x | 5 | x |
| " | 51890 | 35 | x | 70 | 215 | x | x | x |
| " | 51900 | 25 | x | 55 | 195 | x | 3 | x |
| " | 51910 | 20 | x | 35 | 20 | x | 4 | x |
| " | 51920 | 25 | x | 45 | 125 | x | 4 | x |
| " | 51930 | 20 | x | 45 | 55 | x | 4 | x |
| " | 51940 | 10 | x | 55 | 280 | x | 8 | .002 |
| 12.20 | 51950 | 55 | x | 130 | 900 | x | 9 | .001 |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|----------------------|--------------------|-----------------------|
| 12.30 | 51500 | 0.8 | C | Silver Grey | silver grey schist | |
| " | 51510 | 0.9 | C? | White Grey | Ex sandy schist | |
| " | 51520 | 1.1 | C | Creamy Orange Brown | | Schistose clays |
| " | 51530 | 0.8 | C | " | | Red tinge |
| " | 51540 | 1.1 | C | Creamy Orange Brown | | |
| " | 51550 | 1.1 | C | Pale Orange Brown | | Clear Quartz |
| " | 51560 | 1.0 | C | " | | Schistose clay |
| " | 51570 | 1.1 | C | Pale Orange Brown | | Schistose clay |
| " | 51580 | 0.2 | C | Pale Orange Brown | Qtz & phyllite | |
| " | 51590 | 0.7 | C | Mottled Orange Brown | | |
| " | 51600 | 1.5 | | NO SAMPLE | | |
| " | 51610 | 0.7 | C | Mottled Orange Brown | | Black veinlets |
| " | 51620 | 1.5 | | NO SAMPLE | | |
| " | 51630 | 1.5 | | NO SAMPLE | | |
| " | 51640 | 1.5 | | NO SAMPLE | | |
| " | 51650 | 0.9 | C | Mid Brown | | |
| " | 51660 | 0.5 | C | Bright Orange Brown | | Friable |
| " | 51670 | 0.7 | C | Pale Red Brown | | Friable |
| " | 51680 | 1.2 | B | Orange Red | | Float? |
| " | 51690 | 0.7 | C | Pink Red | Fe stained schist | Black veinlets |
| " | 51700 | 0.9 | C | Green | green schist | |
| " | 51710 | 1.2 | C | Green Orange Brown | | |
| " | 51720 | 1.4 | C | " | | |
| " | 51730 | 0.6 | C | " | | |
| " | 51740 | 1.3 | C | " | | |
| " | 51750 | 0.5 | C? | Yellow Brown | g/s | 10m North of Creek |
| " | 51760 | 0.8 | C | Green Brown | | } numerous samples |
| " | 51770 | 0.3 | C? | Sandy Orange Brown | schist | |
| " | 51780 | 0.3 | C | Mottled Creamy Brown | g/s | quartz rich |
| " | 51790 | 0.5 | C? | " " | " | Transported? |
| " | 51800 | 0.4 | C | Orange Black | | Fe rich |
| " | 51810 | 1.3 | C? | Mid Brown | | Banded, red tinge |
| " | 51820 | 0.7 | C | " | | " " |
| " | 51830 | 0.9 | C | Dk Orange Brown | | Mottled |
| 12.30 | 51840 | 0.5 | C | Orange Brown | | Friable |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 090

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----------|-----|-------|----|----|------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.30 | 51500 | 10 | x | 10 | 10 | x | x | x |
| " | 51510 | 5 | x | 5 | 5 | x | x | x |
| " | 51520 | 45 | x | 20 | 50 | x | 5 | x |
| " | 51530 | 65 | x | 75 | 300 | x | x | x |
| " | 51540 | 15 | x | 15 | 20 | x | x | x |
| " | 51550 | 20 | x | 15 | 40 | x | 2 | x |
| " | 51560 | 45 | x | 30 | 35 | x | x | .006 |
| " | 51570 | 100 | x | 160 | 310 | x | x | .002 |
| " | 51580 | 105 | x | 150 | 210 | x | 7 | .006 |
| " | 51590 | 380 | x | 70 | 540 | x | x | .004 |
| " | 51600 | | NO SAMPLE | | | | | |
| " | 51610 | 240 | x | 70 | 1150 | x | x | x |
| " | 51620 | | NO SAMPLE | | | | | |
| " | 51630 | | NO SAMPLE | | | | | |
| " | 51640 | | NO SAMPLE | | | | | |
| " | 51650 | 45 | x | 285 | 600 | x | 5 | .003 |
| " | 51660 | 85 | x | 80 | 355 | x | x | .001 |
| " | 51670 | 115 | x | 140 | 2150 | x | x | x |
| " | 51680 | 170 | x | 300 | 1800 | x | x | .001 |
| " | 51690 | 45 | x | 130 | 2050 | x | x | .001 |
| " | 51700 | 140 | x | 365 | 280 | x | 4 | .001 |
| " | 51710 | 135 | x | 450 | 55 | x | 3 | x |
| " | 51720 | 80 | x | 35 | 20 | x | 4 | x |
| " | 51730 | 20 | x | 35 | 30 | x | 2 | x |
| " | 51740 | 25 | x | 75 | 120 | x | 3 | x |
| " | 51750 | 40 | x | 40 | 90 | x | 2 | x |
| " | 51760 | 90 | x | 100 | 315 | x | 2 | x |
| " | 51770 | 20 | x | 35 | 95 | x | 3 | x |
| " | 51780 | 30 | x | 15 | 30 | x | 4 | x |
| " | 51790 | 40 | x | 35 | 115 | x | 14 | x |
| " | 51800 | 45 | x | 50 | 3.15% | x | 2 | .001 |
| " | 51810 | 35 | x | 50 | 160 | x | 5 | .001 |
| " | 51820 | 80 | x | 85 | 3200 | x | 2 | x |
| " | 51830 | 590 | x | 70 | 865 | x | 3 | .001 |
| 12.30 | 51840 | 210 | x | 110 | 260 | x | 2 | x |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|----------------------------|--------------|---------------------|
| 12.30 | 51850 | 0.3 | C | Orange Brown | | Friable |
| " | 51860 | 0.6 | C? | Red Brown | | Transported? |
| " | 51870 | 0.6 | C | Red Brown | | |
| " | 51880 | 1.5 | | NO SAMPLE | | |
| " | 51890 | 0.8 | C | Green Orange | | |
| " | 51900 | 1.0 | C | " " | | |
| " | 51910 | 1.3 | C | Orange-Grey | | Blotchy |
| " | 51920 | 1.3 | C | Green Orange | | |
| " | 51930 | 1.5 | | NO SAMPLE | | |
| " | 51940 | 0.3 | C | Green | green schist | |
| " | 51950 | 0.9 | C | Orange Brown | | Friable |
| " | 51960 | 0.6 | C | Creamy Orange | | Friable |
| " | 51970 | 0.8 | C | " | | " |
| " | 51980 | 1.1 | C | Orange Green | green schist | |
| " | 51990 | 0.9 | C | " | " | |
| " | 52000 | 0.8 | C | Mid Brown | | Quartz rich |
| " | 52010 | 0.4 | C | Green | green schist | |
| " | 52020 | 0.6 | C | Green Orange | " | Friable |
| " | 52030 | 1.5 | | NO SAMPLE | | |
| " | 52040 | 0.7 | C | Orange Green | green schist | |
| " | 52050 | 0.5 | C | Green | green schist | |
| " | 52060 | 0.8 | C | Creamy Brown | | Friable |
| " | 52070 | 0.6 | C | Pale Green | green schist | |
| " | 52080 | 0.9 | C | Creamy Brown | | |
| " | 52090 | 1.2 | C | Red Brown | | Fe stained, friable |
| " | 52100 | 1.5 | C? | Red | | Clayey |
| " | 52110 | | | NO SAMPLE - QUARTZ Gravels | | |
| " | 52120 | 1.4 | C | Creamy Orange Brown | | |
| " | 52130 | 0.7 | C | Pale Brown | | Friable |
| " | 52140 | 1.2 | C | Olive Green | | |
| " | 52150 | 0.7 | C | Yellow Brown | | Friable |
| " | 52160 | 1.9 | C | Orange friable | | |
| 12.30 | 52170 | 0.6 | C | Yellow Green | green schist | |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 001

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----|-----|-----|-----|-----|------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.30 | 51850 | 125 | x | 54 | 380 | x | 8 | x |
| " | 51860 | 130 | 5 | 70 | 120 | x | 5 | .013 |
| " | 51870 | 150 | 20 | 145 | 285 | x | 4 | .007 |
| " | 51880 | NO SAMPLE | | | | | | |
| " | 51890 | 80 | x | 40 | 80 | x | 21 | .008 |
| " | 51900 | 140 | x | 55 | 200 | x | 4 | .003 |
| " | 51910 | 20 | x | 15 | 65 | x | 4 | .004 |
| " | 51920 | 25 | x | 20 | 70 | x | 8 | .002 |
| " | 51930 | NO SAMPLE | | | | | | |
| " | 51940 | 105 | 30 | 140 | 840 | x | 5 | x |
| " | 51950 | 130 | x | 95 | 90 | x | 7 | .002 |
| " | 51960 | 40 | x | 40 | 80 | x | 9 | .002 |
| " | 51970 | 45 | 450 | 10 | 10 | x | 260 | .002 |
| " | 51980 | 50 | x | 40 | 190 | x | 67 | .001 |
| " | 51990 | 85 | x | 145 | 600 | x | 16 | .010 |
| " | 52000 | 45 | x | 35 | 65 | x | 10 | .006 |
| " | 52010 | 35 | x | 50 | 180 | x | 4 | .001 |
| " | 52020 | 265 | 65 | 105 | 470 | x | 28 | .003 |
| " | 52030 | NO SAMPLE | | | | | | |
| " | 52040 | 165 | x | 210 | 705 | x | 3 | .003 |
| " | 52050 | 140 | x | 100 | 645 | x | x | .003 |
| " | 52060 | 50 | x | 30 | 185 | x | 3 | .003 |
| " | 52070 | 65 | x | 80 | 520 | x | x | .003 |
| " | 52080 | 925 | 15 | 50 | 195 | x | 25 | .006 |
| " | 52090 | 165 | x | 15 | 35 | x | 9 | .001 |
| " | 52100 | 135 | x | 15 | 10 | x | 2 | .002 |
| " | 52110 | NO SAMPLE | | | | | | |
| " | 52120 | 90 | x | 20 | 20 | x | 3 | .002 |
| " | 52130 | 70 | 5 | 20 | 55 | x | 8 | .001 |
| " | 52140 | 30 | x | 60 | 490 | 0.6 | 6 | .006 |
| " | 52150 | 55 | x | 50 | 65 | 0.2 | 7 | .002 |
| " | 52160 | 110 | 105 | 85 | 30 | x | 3 | x |
| 12.30 | 52170 | 25 | 50 | 100 | 490 | x | 6 | x |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|---------------------|-----------------|---------------------|
| 12.30 | 52180 | 0.5 | C | Green Brown | | Clayey |
| " | 52190 | 1.7 | C | Rusty Brown | | |
| " | 52200 | 0.3 | C | Dark Green | green schist | |
| " | 52210 | 0.8 | C | Yellow Brown | | Friable |
| 12.30 | 52220 | 1.1 | C | " | | " |
| 12.40 | 51500 | 1.5 | B | NO SAMPLE | | |
| " | 51505 | 0.9 | C | Red Orange | Ex green schist | |
| " | 51510 | 0.7 | C | Creamy Orange Brown | carbonate? | |
| " | 51515 | 0.9 | C | Red Brown | Ex green schist | |
| " | 51520 | 0.8 | C | Orange Brown | | Friable, + qtz. |
| " | 51525 | 1.5 | C? | Green clays | Phyllite | Float? |
| " | 51530 | 0.5 | C | Mottled Dk Brown | | |
| " | 51535 | 0.5 | C? | Dk Brown & Yellow | Qtz phyllite | Friable |
| " | 51540 | 0.8 | C | Orange Brown | | Friable, + qtz. |
| " | 51545 | 1.0 | C? | Orange Brown | Qtz phyllite | Friable |
| " | 51550 | 0.3 | C | " " | | " " |
| " | 51560 | 0.8 | C | Dk Orange Brown | | Friable |
| " | 51570 | 0.5 | C | Cream Orange Brown | | Friable |
| " | 51580 | 0.8 | C | " | | Fe stained |
| " | 51590 | 0.7 | C | Grey & Cream Brown | | Banded, friable |
| " | 51600 | 0.5 | C | Cream Orange Brown | | |
| " | 51610 | 0.6 | C | Cream Grey | phyllites | |
| " | 51620 | 1.2 | C? | Mid Brown | | Foliated, red tinge |
| " | 51630 | 0.8 | C? | Orange Brown | Schist | |
| " | 51640 | 0.6 | C | Cream Brown | | Banded, sandy |
| " | 51650 | 1.2 | C | Dark Green | green schist | |
| " | 51660 | 0.8 | C | " | " | |
| " | 51670 | 0.8 | C | " | " | |
| " | 51680 | 1.3 | C | Pale Green | green schist | |
| " | 51690 | 1.4 | C | Green Brown | | Banded |
| " | 51700 | 1.3 | C | Pale Creamy Orange | | |
| " | 51705 | 1.0 | C | Pale Green Brown | | |
| 12.40 | 51710 | 1.1 | C | Creamy Orange Brown | | Friable |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 092

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----|--------|------|-----|-----|------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.30 | 52180 | 65 | 5 | 100 | 575 | x | 3 | .002 |
| " | 52190 | 110 | 35 | 95 | 630 | x | 3 | .001 |
| " | 52200 | 110 | 320 | 60 | 995 | x | 16 | x |
| " | 52210 | 30 | 5 | 30 | 430 | x | 12 | .008 |
| 12.30 | 52220 | 25 | 70 | 55 | 55 | x | 8 | .006 |
| 12.40 | 51500 | | NO | SAMPLE | | | | |
| " | 51505 | 50 | 25 | 25 | 30 | 0.4 | 12 | x |
| " | 51510 | 45 | x | 35 | 50 | x | 3 | .013 |
| " | 51515 | 35 | 15 | 25 | 25 | 0.3 | 11 | .061 |
| " | 51520 | 50 | x | 25 | 75 | x | 7 | .001 |
| " | 51525 | 45 | 10 | 30 | 20 | 0.4 | 10 | .001 |
| " | 51530 | 50 | x | 210 | 3950 | x | x | .014 |
| " | 51535 | 40 | 5 | 250 | 5250 | 0.3 | 6 | .062 |
| " | 51540 | 20 | x | 40 | 20 | x | 3 | .050 |
| " | 51545 | 25 | x | 25 | 25 | 0.3 | 8 | .005 |
| " | 51550 | 20 | x | 40 | 50 | x | 3 | .002 |
| " | 51560 | 55 | x | 370 | 45 | x | 15 | x |
| " | 51570 | 20 | x | 30 | 25 | x | 7 | x |
| " | 51580 | 15 | 10 | 20 | 25 | x | 6 | .005 |
| " | 51590 | 5 | x | 5 | 10 | x | x | .006 |
| " | 51600 | 10 | x | 30 | 10 | x | x | .001 |
| " | 51610 | 10 | x | 10 | 5 | x | x | .004 |
| " | 51620 | 190 | 60 | 80 | 185 | x | 12 | .008 |
| " | 51630 | 30 | x | 5 | 15 | x | 6 | .002 |
| " | 51640 | 30 | x | 20 | 75 | x | 5 | .002 |
| " | 51650 | 75 | 30 | 210 | 90 | x | 3 | .004 |
| " | 51660 | 110 | 160 | 135 | 310 | x | 3 | .003 |
| " | 51670 | 125 | 440 | 170 | 645 | x | 170 | .001 |
| " | 51680 | 15 | x | 130 | 920 | x | 5 | x |
| " | 51690 | 15 | x | 15 | 5 | x | x | .002 |
| " | 51700 | 25 | x | 25 | 15 | x | 6 | x |
| " | 51705 | 10 | x | 15 | 20 | 0.3 | 6 | .002 |
| 12.40 | 51710 | 30 | x | 30 | 15 | x | 4 | .320 |

SOIL SAMPLE DATA - DAVIS CREEK SERIES

| LOCATION N | E | DEPTH (m) | HORIZON | COLOUR | ROCK CHIPS | REMARKS |
|---------------|-------|--------------|---------|------------------------------|-------------------|---------------|
| 12.40 | 51715 | 0.9 | C | Cream, Brown, Red & White | | Mottled clays |
| " | 51720 | 0.8 | C | Creamy Orange Brown | | Friable |
| " | 51725 | 0.8 | C | Orange Brown | green schist | |
| " | 51730 | 1.1 | C | Orange-Brown | | |
| " | 51735 | 1.1 | C | Creamy Orange | | |
| " | 51740 | 1.1 | C | Yellow Brown | | Friable |
| " | 51745 | 1.1 | C | Reddy Brown | | |
| " | 51750 | 0.9 | C | Yellow Brown | | Friable |
| " | 51760 | 1.1 | C | Creamy Yellow Brown | | Friable |
| " | 51770 | 1.5 | B | NO SAMPLE | | |
| " | 51780 | 0.8 | C | Red Black | Schists | Friable |
| " | 51790 | 0.4 | C | Creamy Orange | | |
| " | 51800 | 0.7 | C | Mid Brown | Schists | |
| " | 51810 | 1.0 | C | Pale Cream | Silver schist | |
| " | 51820 | 0.8 | C | " | " | |
| " | 51830 | 0.9 | C | Dk Mottled Orange | | |
| " | 51840 | | NO | SAMPLE - Qtz. Sands | | |
| " | 51850 | 0.8 | C | Mottled Orange, Brown, Green | | |
| " | 51860 | 0.9 | C | " " " " | | |
| " | 51870 | 0.8 | C | " " " " | | |
| " | 51880 | 0.7 | C | Orange Brown | | Sandy |
| " | 51890 | 1.5 | C | Green Brown | green schist | |
| " | 51900 | 0.9 | C | Red Brown | schist | Fe stained |
| " | 51910 | 1.3 | C | Orange Brown | | |
| " | 51920 | 0.7 | C | Yellow Green Brown | schist | Friable |
| " | 51930 | 0.4 | C | Green | green schist | |
| " | 51940 | 0.4 | C | " | " | |
| " | 51950 | 0.5 | C | " | " | |
| " | 51960 | 0.6 | C | Cream Grey | schist | Friable |
| " | 51970 | 0.6 | C | Green | green schist | |
| " | 51980 | | NO | SAMPLE - Qtz. gravels | | |
| " | 51990 | 0.4 | C | Green | green schist | |
| 12.40 | 52000 | 0.3 | C | Dark Green | Dark green schist | |

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A.5.27.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

92 093

| LOCATION N | E | E L E M E N T S (ppm) | | | | | | |
|---------------|-------|-----------------------|-----|--------|------|-----|-----|------|
| | | Cu | Pb | Zn | Mn | Ag | As | Au |
| 12.40 | 51715 | 20 | 5 | 15 | 15 | 0.4 | 8 | .028 |
| " | 51720 | 40 | x | 45 | 45 | x | 4 | .006 |
| " | 51725 | 25 | 15 | 35 | 40 | 0.4 | 13 | .010 |
| " | 51730 | 50 | x | 20 | 15 | x | 4 | .007 |
| " | 51735 | 15 | 5 | 10 | 15 | 0.4 | 6 | .029 |
| " | 51740 | 30 | x | 20 | 10 | x | 5 | .012 |
| " | 51745 | 45 | 25 | 45 | 100 | 0.4 | 6 | .010 |
| " | 51750 | 55 | 10 | 55 | 800 | x | x | .005 |
| " | 51760 | 30 | x | 20 | 40 | x | x | .007 |
| " | 51770 | | NO | SAMPLE | | | | |
| " | 51780 | 55 | x | 55 | 5100 | x | x | .004 |
| " | 51790 | 30 | x | 40 | 65 | x | x | x |
| " | 51800 | 105 | x | 170 | 370 | x | 3 | x |
| " | 51810 | 45 | x | 40 | 20 | x | x | .003 |
| " | 51820 | 40 | x | 15 | 10 | 0.3 | x | x |
| " | 51830 | 85 | x | 55 | 25 | x | 45 | x |
| " | 51840 | | NO | SAMPLE | | | | |
| " | 51850 | 15 | x | 35 | 115 | x | 4 | x |
| " | 51860 | 20 | x | 30 | 55 | 0.2 | 4 | x |
| " | 51870 | 10 | x | 15 | 20 | x | x | x |
| " | 51880 | 50 | x | 35 | 40 | x | 8 | x |
| " | 51890 | 160 | 15 | 225 | 280 | x | x | .002 |
| " | 51900 | 80 | 15 | 180 | 285 | x | 21 | x |
| " | 51910 | 200 | 15 | 195 | 440 | x | 33 | x |
| " | 51920 | 30 | x | 65 | 100 | x | 10 | x |
| " | 51930 | 40 | x | 45 | 40 | x | 9 | x |
| " | 51940 | 10 | x | 10 | 15 | x | 2 | x |
| " | 51950 | 10 | x | 10 | 10 | x | 3 | x |
| " | 51960 | 80 | x | 20 | 10 | x | 7 | x |
| " | 51970 | 30 | x | 90 | 380 | x | 2 | x |
| " | 51980 | | NO | SAMPLE | | x | | |
| " | 51990 | 20 | x | 70 | 390 | x | x | x |
| 12.40 | 52000 | 105 | x | 245 | 1050 | x | 6 | x |
| Method | | 101 | 101 | 101 | 101 | 102 | 114 | 334 |
| Detection | | 5 | 5 | 5 | 5 | .01 | 1 | .001 |

NOTE: - Not Analysed x Below limit of detection.

APPENDIX 6.0ROCK SAMPLE ANALYSIS

A.6.1. Rock Sample Analysis, Location, Type and Description.

Geochemical Reports:

| | |
|------------------------|-------------------|
| Amel AC 3340/86 | 86/0057 & 0058 |
| Amel AC 3687/86 | 86/0059 - 86/0078 |
| Analabs 236.1 08 3607A | 86/0071 - 86/0078 |
| Analabs 236.1 08 3637B | 86/0079 |
| Analabs 236.1 08 3715A | 86/0080 - 86/0119 |
| Analabs 236.1 08 3711 | 86/0077 & 0078 |
| Analabs 236.1 08 3734 | 86/0120 - 86/0122 |
| Analabs 236.1 08 3748 | 86/0123 - 86/0132 |

ROCK SAMPLE LEDGER

| SAMPLE NUMBER | AREA | LOCATION N E | | OUTCROP, FLOAT OR MINE TAILINGS | DESCRIPTION |
|---------------|---------------------------------|--------------------|-------------|---------------------------------------|--|
| 86/0057 | Golden Ridge Prospect | 01.82 | 49.56 | O/C | 20kg Bulk Sample |
| 86/0058 | Davis Creek | 11.76 | 51.32 | O/C | Light grey quartzite |
| 86/0059 | Nine Mile Creek | 93.10 | 49.85 | O/C | Blocky Amphibolite in creek adjacent to portal |
| 86/0060 | Nine Mile Creek | " | " | Float | Qtz/carbonate/Sulphide floater in creek |
| 86/0061 | Cape Copper-Main Adit | 54m | from portal | O/C | Small discontinuous low angle x cutting qtz carb limonitic enechelon veins |
| 86/0062 | " " " " | 50m-45m | " " | O/C | Graphitic schist, qtz poor. |
| 86/0063 | " " " " | 32m | " " | O/C | Fault precipitated mud |
| 86/0064 | " " " " | 25m | " " | O/C | Qtz rich phyllite |
| 86/0065 | " " " " | 21.1-0m | " " | O/C | Amphibolite |
| 86/0066 | C.R.A. Arthur River | Magnesite | | O/C | Pale grey magnesite |
| 86/0067 | Cape Copper | 93.40 | 49.70 | O/C | Level 1 Adit? |
| 86/0068 | " " | 93.20 | 49.74 | MT gunge | Tunnel 1, FeOH sludge |
| 86/0069 | " " | 93.09 | 49.82 | " | Main Adit, FeOH sludge |
| 86/0070 | " " | 93.16 | 49.70 | " | FeOH sludge |
| 86/0071 | Davis Creek Diggings Lower Adit | 31m | from portal | O/C | Qtz/Goethite/Calcite Siderite gossan |
| 86/0072 | " | 30 - 25 | " " | " | " " |
| 86/0073 | " | 25 - 20 | " " | " | Gossan with qtzite and mica schist |
| 86/0074 | " | 20 - 15 | " " | " | Banded Gossan with Kaolin alteration. |
| 86/0075 | " | 15 - 10 | " " | " | Pink weathering, non fissile, blocky amphibolite |
| 86/0076 | " | 10 - 0 | " " | " | " |
| 86/0077 | Davis Creek Diggings Upper Adit | 0 - 3m from portal | | " | " |
| 86/0078 | " | 3 - 9m | " " | " | Gossan with bouldery qtz and siderite |
| 86/0079 | Davis Creek | 12.30 | 51.75 | Float | Haematite Rock Chips. |

ROCK SAMPLE LEDGER

| SAMPLE NUMBER | AREA | LOCATION N | E | OUTCROP, FLOAT OR MINE TAILINGS | DESCRIPTION |
|---------------|----------------------|---------------|-------|---------------------------------------|---|
| 86/0080 | Davis Creek Workings | 11.90 | 51.40 | O/C | (Channel Sampling of Costeans, Pits, Trenches & Water races. |
| 86/0081 | " | " | " | " | |
| 86/0082 | " | " | " | " | " |
| 86/0083 | " | " | " | " | " |
| 86/0084 | " | " | " | " | " |
| 86/0085 | " | " | " | " | " |
| 86/0086 | " | " | " | " | " |
| 86/0087 | " | " | " | " | " |
| 86/0088 | " | " | " | " | " |
| 86/0089 | " | " | " | " | " |
| 86/0090 | " | " | " | " | " |
| 86/0091 | " | " | " | " | " |
| 86/0092 | " | " | " | " | " |
| 86/0093 | " | " | " | " | " |
| 86/0094 | " | " | " | " | " |
| 86/0095 | " | " | " | " | " |
| 86/0096 | " | " | " | " | " |
| 86/0097 | " | " | " | " | " |
| 86/0098 | " | " | " | " | " |
| 86/0099 | " | " | " | " | " |
| 86/0100 | " | " | " | " | " |
| 86/0101 | " | " | " | " | " |
| 86/0102 | " | " | " | " | " |
| 86/0103 | " | " | " | " | " |
| 86/0104 | " | " | " | " | " |
| 86/0105 | " | " | " | " | " |
| 86/0106 | " | " | " | " | " |
| 86/0107 | " | " | " | " | " |
| 86/0108 | " | " | " | " | " |
| 86/0109 | " | " | " | " | " |
| 86/0110 | " | " | " | " | " |
| 86/0111 | " | " | " | " | " |
| 86/0112 | " | " | " | " | " |
| 86/0113 | " | " | " | " | " |
| 86/0114 | " | " | " | " | " |

ANALYTICAL RESULTS - ROCK SAMPLES

| SAMPLE NUMBER | Cu Ana/Amd | Pb Ana/Amd | Zn Ana/Amd | Mn Ana/Amd | Fe Ana/Amd | As Ana/Amd | Ag Ana/Amd | Au Ana/Amd |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 86/0080 | 85 | 15 | 55 | 1150 | - | 6 | x | .056 |
| 86/0081 | 80 | 10 | 55 | 830 | - | 7 | x | .069 |
| 86/0082 | 80 | 5 | 55 | 800 | - | 6 | x | .054 |
| 86/0083 | 75 | 15 | 60 | 835 | - | 6 | x | .056 |
| 86/0084 | 65 | 5 | 40 | 145 | - | 4 | x | .004 |
| 86/0085 | 55 | 5 | 35 | 945 | - | 9 | x | .001 |
| 86/0086 | 105 | x | 60 | 1015 | - | 2 | x | .080 |
| 86/0087 | 95 | 20 | 55 | 300 | - | 1 | x | .076 |
| 86/0088 | 210 | 15 | 70 | 855 | - | 2 | x | .022 |
| 86/0089 | 55 | x | 35 | 2300 | - | 8 | x | .005 |
| 86/0090 | 50 | 15 | 55 | 6400 | - | 5 | x | .272 |
| 86/0091 | 115 | 5 | 100 | 3350 | - | 6 | x | .067 |
| 86/0092 | 85 | 10 | 35 | 105 | - | 6 | x | .005 |
| 86/0093 | 75 | 5 | 40 | 230 | - | 3 | x | .002 |
| 86/0094 | 95 | 5 | 45 | 815 | - | 3 | x | x |
| 86/0095 | 20 | 5 | 25 | 55 | - | 1 | x | .008 |
| 86/0096 | 80 | 5 | 40 | 110 | - | 4 | x | .055 |
| 86/0097 | 60 | 10 | 115 | 1600 | - | 9 | x | .009 |
| 86/0098 | 100 | 5 | 175 | 5000 | - | 20 | x | .028 |
| 86/0099 | 60 | x | 95 | 3400 | - | 7 | x | .060 |
| 86/0100 | 35 | 15 | 85 | 280 | - | 4 | x | .014 |
| 86/0101 | 25 | x | 20 | 35 | - | 3 | x | .011 |
| 86/0102 | 20 | x | 15 | 20 | - | 6 | x | .003 |
| 86/0103 | 180 | 10 | 270 | 7200 | - | 20 | x | .018 |
| 86/0104 | 45 | x | 50 | 315 | - | 7 | x | .009 |
| 86/0105 | 60 | 10 | 30 | 100 | - | 4 | x | .018 |
| 86/0106 | 25 | x | 120 | 130 | - | 3 | x | x |
| 86/0107 | 45 | 5 | 50 | 75 | - | 2 | x | .005 |
| 86/0108 | 45 | 10 | 30 | 300 | - | 4 | x | .003 |
| 86/0109 | 45 | 5 | 15 | 25 | - | 6 | x | .013 |
| 86/0110 | 165 | 20 | 50 | 565 | - | 2 | x | .015 |
| 86/0111 | 40 | 5 | 40 | 1400 | - | 4 | x | x |
| 86/0112 | 40 | 10 | 30 | 235 | - | 9 | x | .072 |
| 86/0113 | 35 | 15 | 20 | 60 | - | 8 | x | .130 |
| 86/0114 | 10 | 10 | 40 | 110 | - | 2 | x | .002 |

ROCK SAMPLE LEDGER

| SAMPLE NUMBER | AREA | LOCATION | | OUTCROP, FLOAT OR MINE TAILINGS | DESCRIPTION |
|---------------|-----------------------------------|----------|-------|---------------------------------------|---|
| | | N | E | | |
| 86/0115 | Davis Creek Workings | 11.90 | 51.40 | O/C | { Channel Sampling of Costeans, Pits, Trenches & Water races. |
| 86/0116 | " | " | " | " | |
| 86/0117 | " | " | " | " | |
| 86/0118 | " | " | " | " | |
| 86/0119 | " | " | " | " | |
| 86/0120 | Main Ck, MC 28 Track | 99.55 | 46.72 | O/C | Silica Sand, Eastern Body |
| 86/0121 | " | 99.50 | 46.64 | O/C | Silica Sand, Western Body |
| 86/0122 | Hugh Nolans Deposit | 90.40 | 42.45 | O/C | Main Bulk Sampling Pit |
| 86/0123 | Long Plain South | 96.10 | 47.80 | O/C | black schist |
| 86/0124 | " " " | 96.15 | 47.85 | O/C | black schist |
| 86/0125 | Black guards Hill Corinna Road | 93.50 | 48.50 | O/C | black slate |
| 86/0126 | " | 93.50 | 48.50 | O/C | black slate |
| 86/0127 | " | 93.60 | 48.60 | O/C | black slate |
| 86/0128 | " | 93.55 | 48.55 | O/C | pyritic gabbro |
| 86/0129 | " | 93.40 | 48.40 | O/C | broken qtz in black slate |
| 86/0130 | " | 93.35 | 48.40 | O/C | " " " |
| 86/0131 | Northern Deposit road | 07.30 | 50.10 | O/C | Magnetite + pyrite ore |
| 86/0132 | Long Plains South | 96.10 | 47.75 | O/C | black slate. |

ANALYTICAL RESULTS - ROCK SAMPLES

92 097

| SAMPLE NUMBER | Cu Ana/Amd | Pb Ana/Amd | Zn Ana/Amd | Mn Ana/Amd | Fe Ana/Amd | As Ana/Amd | Ag Ana/Amd | Au Ana/Amd |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 86/0115 | 35 | 10 | 85 | 220 | - | 4 | x | .005 |
| 86/0116 | 20 | 5 | 40 | 75 | - | 4 | x | .002 |
| 86/0117 | 20 | 10 | 65 | 190 | - | 1 | x | x |
| 86/0118 | 10 | 15 | 120 | 270 | - | 4 | x | x |
| 86/0119 | 25 | 10 | 85 | 150 | - | 3 | x | x |

| SIZE | SiO ₂ | TiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | MnO | MgO | CaO | Na ₂ O | K ₂ O | LOI | |
|---------|------------------|------------------|--------------------------------|--------------------------------|------|-----|------|-------------------|------------------|-----|-------|
| 86/0120 | +80 | 98.7 | 2800 | 640 | 4650 | 33 | 1300 | 164 | 76 | 41 | 0.29% |
| 86/0120 | -80 | 99.0 | 1550 | 610 | 2050 | 24 | 2150 | 154 | 40 | 40 | 0.34% |
| 86/0121 | +80 | 99.4 | 1450 | 310 | 2850 | 16 | 175 | 76 | 48 | 18 | 0.07% |
| 86/0121 | -80 | 99.6 | 650 | 350 | 1650 | 6 | 180 | 90 | 42 | 23 | 0.13% |
| 86/0122 | +80 | 98.7 | 2300 | 460 | 4000 | 44 | 2250 | 114 | 53 | 46 | 0.36% |
| 86/0122 | -80 | 99.1 | 1300 | 370 | 2000 | 26 | 1950 | 134 | 37 | 18 | 0.32% |
| 86/0123 | - | - | - | - | - | - | - | - | - | - | 0.010 |
| 86/0124 | - | - | - | - | - | - | - | - | - | - | 0.040 |
| 86/0125 | - | - | - | - | - | - | - | - | - | - | 0.010 |
| 86/0126 | - | - | - | - | - | - | - | - | - | - | 0.010 |
| 86/1027 | - | - | - | - | - | - | - | - | - | - | x |
| 86/0128 | - | - | - | - | - | - | - | - | - | - | x |
| 86/0129 | - | - | - | - | - | - | - | - | - | - | 0.010 |
| 86/0130 | - | - | - | - | - | - | - | - | - | - | x |
| 86/0131 | - | - | - | - | - | - | - | - | - | - | x |
| 86/0132 | - | - | - | - | - | - | - | - | - | - | x |

| METHOD | 101 | 1/1 | 101 | 1/1 | 101 | 1/1 | 101 | 1/1 | - | 1/1 | 114 | x1 | 102 | 1/2 | 329 | 2/4 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|----|-----|-----|------|-----|
| Detection | 5 | 2 | 5 | 5 | 5 | 2 | 5 | 5 | - | 5 | 1 | 2 | 0.1 | 1 | .001 | .01 |

NOTE: * Method A3 Cyanide leach
 - Not Analysed
 x Below limit of detection
 Ana Analabs
 Amd Amdel

APPENDIX 7.0.LOW LEVEL GOLD & SILVER COMPARISONS

- A.7.1. Timbs Creek.
- A.7.2. Rocky River Road.
- A.7.3. Northern Access Road.
- A.7.4. Northern Copper Anomaly.
- A.7.5. Specimen Reef (Soils).
- A.7.6. Rocky River Arsenic Anomaly.
- A.7.7. Golden Ridge.
- A.7.8. Battys Bend Prospect.
- A.7.9. Specimen Reef (Drill core, SPC 1).
- A.7.10. Specimen Reef (Drill core, SPC 6).
- A.7.11. Rocky River (Drill core).
- A.7.12. Golden Ridge (Drill core).

A.7.1. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS 92 099

TIMBS CREEK

| Samples | - | 92.0N | 47475E - 47225E | (3) | Analabs [2450] |
|---------|---|-----------|-----------------|-----|-----------------|
| | | 1983/1984 | Au W.M.C. ppb | | Au Analabs *ppb |
| 92.0N | | 47175E | x | | x |
| | | 47200E | 4 | | x |
| | | 47225E | x | | x |

Analabs (301) detection limit of 32 or 100 ppb.

| Samples | - | 91.75N | 44650E - 44450E | (9) | Analabs [2957] |
|---------|---|-----------|-----------------|-----|----------------|
| | | 1984/1985 | Au W.M.C. ppb | | Au Analabs ppb |
| 91.75N | | 44450E | x | | 4 |
| | | 44475E | x | | 1 |
| | | 44500E | x | | 2 |
| | | 44525E | 2 | | 2 |
| | | 44550E | x | | 2 |
| | | 44575E | x | | 2 |
| | | 44600E | x | | 4 |
| | | 44625E | 2 | | 5 |
| | | 44650E | x | | 2 |

Analabs (325) detection limit of 1 ppb.

W.M.C. detection limit of 2 ppb with 2 ppb increments.

| Samples | - | 92.0N | 47175E - 47225E | (3) | Analabs [2450] |
|---------|---|-----------|-----------------|-----|----------------|
| | | 1983/1984 | Ag W.M.C. ppm | | Ag Analabs ppm |
| 92.0N | | 47175E | 0.5 | | x |
| | | 47200E | 24.5/24.5 | | 240 |
| | | 47225E | 1.0 | | x |

x Below the limit of detection.

A.7.2. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ROCKY RIVER ROAD

| Samples | B 650 - B1475 | (34) | Analabs [2467] |
|---------|---------------|---------------|----------------|
| | 1983/1984 | Au W.M.C. ppb | Au Analabs ppb |
| | B 650 | 4 | x |
| | B 675 | 8 | x |
| | B 700 | 2 | x |
| | B 750 | x | x |
| | B 775 | x | x |
| | B 800 | x | x |
| | B 825 | 2 | x |
| | B 850 | x | x |
| | B 875 | x | x |
| | B 900 | 6 | x |
| | B 925 | x | x |
| | B 950 | 8 | x |
| | B 975 | x | x |
| | B1000 | 2 | x |
| | B1025 | x | x |
| | B1050 | x | x |
| | B1075 | x | x |
| | B1100 | x | x |
| | B1125 | x | x |
| | B1150 | x | x |
| | B1175 | x | x |
| | B1200 | 4 | x |
| | B1225 | 4 | x |
| | B1250 | 6 | x |
| | B1275 | x | x |
| | B1300 | 40 | x |
| | B1325 | 2 | x |
| | B1350 | 4 | x |
| | B1375 | x | x |
| | B1400 | x | x |
| | B1425 | 2 | x |
| | B1450 | x | x |
| | B1475 | 4 | x |

Analabs (301 detection limit of 32 or 100 ppb.
W.M.C. detection limit of 2 ppb with 2 ppb increments.
x denotes below the limit of detection

A.7.3. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

NORTHERN ACCESS ROAD

| Samples | R1000 - R1250 | (11) | Analabs [2885] |
|---------|---------------|---------------|----------------|
| | 1984/1985 | Au W.M.C. ppb | Au Analabs ppb |
| | R1000 | x | 3 |
| | R1025 | x | x |
| | R1050 | x | x |
| | R1075 | x | x |
| | R1100 | x | x |
| | R1125 | 6 | 6 |
| | R1150 | x | x |
| | R1175 | x | 1 |
| | R1200 | x | x |
| | R1225 | x | x |
| | R1250 | x | x |

Analabs (325) detection limit of 1 ppb.

W.M.C. detection limit of 2 ppb with 2 ppb increments.

x denotes below the limit of detection.

A.7.4. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

NORTHERN COPPER ANOMALY

Samples 14.1N 49375E - 49475E (5) Analabs [2885]
 14.7N 49350E - 49475E (6) Analabs [2885]

| | | Au W.M.C. ppb | Au Analabs ppb |
|-------|--------|---------------|----------------|
| 14.1N | 49375E | x | x |
| | 49400E | x | 5 |
| | 49425E | 2 | 1 |
| | 49450E | x | 2 |
| | 49475E | 4 | x |
| 14.7N | 49350E | 4 | x |
| | 49375E | x | x |
| | 49400E | x | 1 |
| | 49425E | x | 4 |
| | 49450E | x | 3 |
| | 49475E | x | 3 |

Analabs (325) detection limit of 1 ppb.

W.M.C. detection limit of 2 ppb with 2 ppb increments.

x denotes below the limit of detection.

A.7.5. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

SPECIMEN REEF (SOILS)

| | | | | |
|---------|-------|-----------------|------|----------------------|
| Samples | 11.1N | 52100E - 52300E | (9) | Analabs [3023] |
| | 11.2N | 52225E - 52473E | (10) | Analabs [2982, 3039] |
| | 11.3N | 52275E - 52475E | (9) | Analabs [2957] |

| | 1984/1985 | Au W.M.C. ppb | Au Analabs ppb |
|--------|-----------|---------------|----------------|
| 11.1N | 52100E | x | x |
| | 52125E | x | 2 |
| | 52150E | x | x |
| | 52175E | x | 1 |
| | 52200E | x | x |
| | 52225E | 2 | 4 |
| | 52250E | 4 | 1 |
| | 52275E | 2 | 2 |
| | 52300E | 4 | x |
| 11.2N | 52225E | 38 | x |
| | 52250E | 50 | 1 |
| | 52275E | 14 | 1 |
| | 52300E | 8 | 1 |
| | 52325E | 6 | x |
| | 52350E | No Sample | No Sample |
| | 52375E | 20 | 54 |
| | 52400E | 4 | 70 |
| | 52425E | 2 | 6 |
| | 52450E | 4 | 15 |
| 52475E | 4 | 6 | |
| 11.3N | 52275E | 6 | 1 |
| | 52300E | 6 | 4 |
| | 52325E | 6 | 1 |
| | 52350E | 6 | 2 |
| | 52375E | 4 | 1 |
| | 52400E | 2 | 3 |
| | 52425E | 4 | 4 |
| | 52450E | 2 | 5 |
| 52475E | 2 | 6 | |

Analabs (325) detection limit of 1 ppb.

W.M.C. detection limit of 2 ppb with 2 ppb increments.

x denotes below the limit of detection.

A.7.6. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ROCKY RIVER ARSENIC ANOMALY

| | | | | |
|---------|--------|-----------------|-----|----------------|
| Samples | 89.7N | 50350E - 50250E | (5) | Analabs [2924] |
| | 89.68N | 50300E - 50340E | (5) | Analabs [3013] |

| | 1984/1985 | Au W.M.C. ppb | Au Analabs ppb |
|--------|-----------|---------------|----------------|
| 89.7N | 50250E | x | x |
| | 50275E | x | 3 |
| | 50300E | 200 | 95 |
| | 50325E | 2 | 4 |
| | 50350E | x | 4 |
| 89.68N | 50300E | x | 3 |
| | 50310E | x | 14 |
| | 50320E | x | 3 |
| | 50330E | x | 8 |
| | 50340E | x | 2 |

Analabs (325) detection limit of 1 ppb.

W.M.C detection limit of 2 ppb with 2 ppb increments.

x denotes below the limit of detection.

A.7.7. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

GOLDEN RIDGE

| | | | | |
|---------|--------|-----------------|------|----------------------|
| Samples | 18.20N | 49540E - 49575E | (7) | Analabs [3013] |
| | 49.60E | 19.70N - 19.95N | (6) | Analabs [3005] |
| | 49.60E | 19.65N - 19.20N | (10) | Analabs [2982] |
| | 19.60N | 49625E - 49665E | (9) | Analabs [3013, 3005] |

| | | Au W.M.C. ppb | Au Analabs ppb |
|--------|--------|---------------|----------------|
| 18.20N | 49540E | x | 6 |
| | 49545E | x | x |
| | 49550E | x | 3 |
| | 49555E | No Sample | No Sample |
| | 49560E | x | 1 |
| | 49565E | 260 | 438 |
| | 49570E | 2 | 5 |
| | 49575E | x | 1 |
| 49.60E | 19.20N | x | 4 |
| | 19.25N | x | 9 |
| | 19.30N | x | x |
| | 19.35N | x | x |
| | 19.40N | x | x |
| | 19.45N | x | 5 |
| | 19.50N | x | 5 |
| | 19.55N | x | 8 |
| | 19.60N | x | 4 |
| | 19.65N | 2 | 4 |

Cont'd over.

x denotes below the limit of detection.

A.7.7. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

GOLDEN RIDGE Cont'd

| | | Au W.M.C. ppb | Au Analabs ppb |
|--------|--------|---------------|----------------|
| 49.60E | 19.70N | 2 | 4 |
| | 19.75N | x | 25 |
| | 19.80N | x | 4 |
| | 19.85N | x | 4 |
| | 19.90N | x | 9 |
| | 19.95N | x | 5 |
| 19.60N | 49625E | x | x |
| | 49630E | x | x |
| | 49635E | x | x |
| | 49640E | x | x |
| | 49645E | 10 | 10 |
| | 49650E | x | x |
| | 49655E | x | 3 |
| | 49660E | x | 6 |
| | 49665E | x | 2 |

Analabs (325) detection limit 1 ppb.

W.M.C. detection limit 2 ppb with 2 ppb increments.

x denotes below the limit of detection.

A.7.8. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

BATTYS BEND PROSPECT

| | | | | |
|---------|--------|-------------------|-----|----------------|
| Samples | 43.80E | 97.475N - 97.550N | (4) | Analabs [3023] |
| | 97.70N | 43750E - 43650E | (5) | Analabs [3039] |

| | | Au W.M.C. ppb | Au Analabs ppb |
|--------|---------|---------------|----------------|
| 43.80E | 97.475N | x | x |
| | 97.500N | 2 | 23 |
| | 97.525N | 2 | 28 |
| | 97.550N | x | 4 |
| 97.70N | 43650E | x | 48 |
| | 43675E | x | x |
| | 43700E | 2 | 4 |
| | 43725E | x | x |
| | 43750E | 2 | 4 |

Analabs (325) limit of detection 1 ppb.

W.M.C. limit of detection 2 ppb with 2 ppb increments.

x denotes below the limit of detection.

A.7.9. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ANALYSIS OF DRILL-CORE, SPECIMEN REEF 1, Au in PPM.

| Depth Metres | Analabs Perth Lab Fire Assay 309 | Analabs Perth Lab Fire Assay 309 | Analabs Perth Lab Aqua Regia /Carb. Rod | W.M.C. Lab Aqua Regia /AAS |
|-----------------|---|---|--|----------------------------------|
| BATCH | 236.1.08.2598 | 236.1.08.2734B | 236.1.08.2824B | NER <483 |
| 00- 38 | no assays | | | |
| 38- 42 | 0.017 | | | x |
| 42- 44 | 0.017 | | | x |
| 44- 46 | 0.032 | | | x |
| 46- 48 | 0.100 | | | x |
| 48- 50 | | | 0.002 | x |
| 50- 52 | | | x | x |
| 52- 54 | | | 0.006 | x |
| 54- 56 | | | x | x |
| 56- 58 | | | 0.002 | |
| 58- 60 | | | x | |
| 60- 62 | | | 0.002 | |
| 63.15-63.4 | | 0.017 | | x |
| 62- 64 | | | x | |
| 64- 66 | | | 0.003 | |
| 66- 68 | | | 0.003 | |
| 68- 70 | | | x | |
| 70- 72 | | | x | |
| 72- 74 | | | 0.017 | |
| 74- 76 | | | 0.003 | |
| 76- 78 | | | 0.004 | |
| 78- 80 | | | x | |
| 80- 82 | | | x | |
| 82- 84 | | | x | |
| 84- 86 | | | 0.003 | |
| 86- 88 | | | 0.002 | |
| 88- 90 | | | 0.004 | |

Cont'd over.

x denotes below the limit of detection for each method.

A.7.9. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ANALYSIS OF DRILL-CORE, SPECIMEN REEF 1, Au in PPM.

| Depth Metres | Analabs Perth Lab Fire Assay 309 | Analabs Perth Lab Fire Assay 309 | Analabs Perth Lab Aqua Regia /Carb. Rod | W.M.C. Lab Aqua Regia /AAS |
|-----------------|---|---|--|----------------------------------|
| BATCH | 236.1.08.2598 | 236.1.08.2734B | 236.1.08.2824B | NER 1483 |
| 90- 92 | | | 0.007 | |
| 92- 94 | | | 0.002 | |
| 94- 96 | | | 0.002 | |
| 96- 98 | | | 0.002 | x |
| 98-100 | | | 0.003 | x |
| 100-102 | 0.032 | | | x |
| 102-104.2 | 0.032 | | | x |
| 104.2-106 | 0.017 | | | x |
| 106-108 | 0.017 | | | x |
| 108-108.9 | 0.017 | | | |
| 108.9-110 | 0.032 | | | |
| 110-111 | 0.032 | | | |
| 111-112 | 0.032 | | | |
| 112-114 | 0.017 | | | |
| 114-116 | 0.017 | | | |
| 116-118 | 0.017 | | | |
| 118-120 | 0.017 | | | |
| 120-122 | 0.017 | | | |
| 122-124 | 0.017 | | | |
| 124-125.9 | 0.017 | | | |
| 125.9-127 | 0.017 | | | |
| 127-128 | 0.017 | | | |
| 128-130 | 0.017 | | | |
| 130-132 | 0.017 | | | |
| 132-134 | 0.017 | | | |
| 134-136 | 0.017 | | | |

x denotes below the limit of detection for each method.

05 134

A.7.1.12.

92 110

A.7.9. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ANALYSIS OF DRILL-CORE, SPECIMEN REEF 1, Au in PPM.

| Depth Metres | Analabs Perth Lab Fire Assay 309 | Analabs Perth Lab Fire Assay 309 | Analabs Perth Lab Aqua Regia /Carb. Rod | W.M.C. Lab Aqua Regia /AAS |
|-----------------|---|---|--|----------------------------------|
| BATCH | 236.1.08.2598 | 236.1.08.2734B | 236.1.08.2824B | NER 1483 |
| 136-137 | 0.017 | | | 0.030 |
| 137-138 | 0.017 | | | x |
| 138-139 | 0.017 | | | x |
| 139-140 | | 0.875 | | 0.890 |
| 140-140.85 | | 0.008 | | x |
| 140.85-141.05 | | 922.000/901.000 | | 590.000/996.000 |
| 141.05-142 | | 0.758 | | 0.610 |
| 142-144 | 0.025 | | | x |
| 144-145.2 | 0.032 | | | x |
| 145.2-147 | 0.025 | | | x |
| 147-149 | 0.025 | | | x |
| 149-150 | 0.017 | | | x |
| END OF HOLE | | | | |
| Detection | 0.008 | 0.008 | 0.002 | 0.020 |
| | 30g sample | 30g sample | 20g sample | 20g sample |

x denotes below the limit of detection for each method.

A.7.10. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ANALYSIS OF SPECIMEN REEF - D.D.H. 85 SPC 6, Au in PPM.

| Sample Interval (m) | Analabs Au | W.M.C. Au |
|---|------------|-----------|
| BATCH | 3080 | |
| 0- 1.9 | x | - |
| 1.9- 4.9 | x | - |
| 4.9- 7.9 | x | - |
| 7.9- 10.9 | x | - |
| 10.9- 13.9 | x | - |
| 13.9- 16.9 | x | - |
| 16.9- 19.9 | x | - |
| 19.9- 22.9 | x | - |
| 22.9- 25.9 | x | - |
| 25.9- 28.9 | x | - |
| 28.9- 31.9 | x | - |
| 31.9- 34.9 | x | - |
| 34.9- 37.9 | x | - |
| 37.9- 40.9 | x | - |
| 40.9- 42.5 | x | - |
| From 42.5 to 128.4 core assay results | | |
| BATCH | 3090 | |
| 42.5- 44.2 | x | x |
| 44.2- 47.4 | x | x |
| 47.4- 50.4 | x | x |
| 50.4- 53.4 | x | x |
| 53.4- 56.4 | x | 0.02 |
| 56.4- 58.3 | x | x |
| 58.3- 60.1 | x | 0.02 |
| 60.1- 62.4 | x | x |

x denotes below the limit of detection
- not analysed

A.7.10. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ANALYSIS OF SPECIMEN REEF - D.D.H. 85 SPC 6, Au in PPM.

| Sample Interval (m) | Analabs Au | W.M.C. Au |
|---------------------|------------|-----------|
| BATCH | 3090 | |
| 62.4- 64.6 | x | x |
| 64.6- 67.1 | x | 0.03 |
| 67.1- 69.7 | x | 0.02 |
| 69.7- 73.0 | x | x |
| 73.0- 76.5 | x | 0.02 |
| BATCH | 3097 | |
| 76.5- 77.6 | x | 0.03 |
| 77.6- 78.5 | x | 0.02 |
| 78.5- 79.5 | x | 0.03 |
| 79.5- 80.4 | x | 0.02 |
| 80.4- 81.4 | x | x |
| 81.4- 82.4 | x | x |
| 82.4- 83.4 | x | x |
| 83.4- 84.4 | x | x |
| 84.4- 85.4 | x | x |
| 85.4- 86.4 | x | x |
| 86.4- 87.4 | x | 0.03 |
| 87.4- 88.4 | x | x |
| 88.4- 89.4 | x | x |
| 89.4- 90.4 | x | x |
| 90.4- 92.4 | x | x |
| 92.4- 94.5 | x | 0.02 |
| 94.5- 94.76 | x | 0.02 |
| 94.76-96.4 | 0.01 | 0.04 |
| 96.4- 97.9 | x | 0.02 |
| 97.9- 98.2 | x | 0.02 |
| 98.2- 99.8 | x | x |
| 99.8-102.4 | x | x |

x denotes below the limit of detection
 - not analysed

A.7.10. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

92 113

ANALYSIS OF SPECIMEN REEF - D.D.H. 85 SPC 6, Au in PPM.

| Sample Interval (m) | Analabs Au | W.M.C. Au |
|---------------------|------------|-----------|
| BATCH | 3097 | |
| 102.4-104.4 | x | x |
| 104.4-106.4 | x | x |
| 106.4-109.4 | 0.02 | x |
| 109.4-112.4 | x | x |
| 112.4-115.4 | 0.01 | x |
| 115.4-117.4 | 0.01 | x |
| 117.4-119.4 | x | x |
| 119.4-120.4 | x | x |
| 120.4-121.4 | 0.02 | x |
| 121.4-122.4 | 0.01 | x |
| 122.4-125.4 | x | x |
| 125.4-128.4 | x | x |
| Section limit | 0.02 | 0.02 |

x denotes below the limit of detection.

A.7.11. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

ANALYSIS OF ROCKY RIVER CORE, Au in PPM.

| Sample Number | (ANALABS) | | | Description |
|---------------|--------------------------------|----------------------------|--------------------------------|--------------------------------------|
| | Original Cairns Fire Assay 309 | Check Perth Fire Assay 309 | Check W.M.C. Aqua Regia /AAS | |
| BATCH | 236.1.08.2733 | 236.1.08.2733C | NER 1483 | |
| 1001 | x | 0.025 | x | pyrite rich |
| 1002 | x | 0.008 | x 3 | pyrite rich |
| 1003 | x | x | x 2 | |
| 1004 | x | 0.025 | 0.020 | carbonate, pyrite magnetite |
| 1005 | x | 0.017 | x 2 | carbonate, minor pyrite, magnetite |
| 1006 | x | x | x | greenschist with carbonate schist |
| 1007 | x | 0.042 | 0.020 | carb., non fissile chlorite - pyrite |
| 1008 | 5.000 | x | x | carb., some pyrite, magnetite |
| 1009 | 0.030 | 0.017 | x | representative greenschist |
| 2001 | 1.240 | 0.017 | x | selective gossan in greenschist |
| 2002 | 0.080 | x | x 1 | control green-schist |
| 2003 | 0.180 | 0.008 | x | gossan and wall rock |
| 2004 | 0.820 | 0.017 | x | leached carbonate and greenschist |
| 2005 | 0.290 | x | x | feldspathic greenschist |
| Detection | 0.008 | 0.008 | 0.020 | |
| | 30g sample | 30g sample | 20g sample | |
| | | | 1 15g sample | |
| | | | 2 10g sample (0.030 detection) | |
| | | | 3 5g sample (0.030 detection) | |

x denotes below the limit of detection for each method.

A.7.12. LOW LEVEL GOLD AND SILVER COMPARISONS - W.M.C. AND ANALABS

GOLDEN RIDGE DRILL CORE ANALYSIS, Au in PPM.

| Depth Metres | Perth Lab Fire Assay 309 | W.M.C. Lab Aqua Regia /AAS |
|-----------------|--------------------------------|----------------------------------|
| BATCH | 236.1.08.3045D | NER 1484 |
| GR 1 | | |
| 42.5-43 | 0.010 | x |
| 43 -44 | x | x |
| 44 -45 | 0.020 | x |
| 45 -46.2 | x | x |
| 46.2-46.9 | x | x |
| 46.9-48.1 | x | x |
| 48.1-49.3 | 0.030 | x |
| 49.3-50.0 | x | x |
| GR 2 | | |
| 11.7-12.2 | 0.010 | x |
| 12.2-12.6 | x | x |
| 12.6-13.7 | 0.010 | x |
| 13.7-14.8 | 0.040 | x |
| 14.8-15.6 | 0.030 | x |
| 15.6-16.3 | x | x |
| Detection | 0.008 | 0.020 |
| | 30g sample | 25g sample |

x denotes below the limit of detection for each method.

APPENDIX 8.0.

MAIN CREEK MAGNESITE

- A.8.1. DDH MC 28, Core Sample Compositions
- A.8.2. DDH MC 27, Core Sample Compositions
- A.8.3. DDH MC 1, Core Sample Compositions
- A.8.4. DDH MC 2, Core Sample Compositions
- A.8.5. DDH MC 28, Magnesite/Dolomite/Gangue Proportions and Compositions
- A.8.6. DDH MC 27, Magnesite/Dolomite/Gangue Proportions and Compositions
- A.8.7. Diamond Drill Core Record, MC 1.
- A.8.8. Diamond Drill Core Record, MC 2.
- A.8.9. Diamond Drill Core Record, MC 27.
- A.8.10. Diamond Drill Core Record, MC 28.

Appendix 8.0 data tables for Main Creek Drillholes

TABLE 8.1 M.C.No 28 DDH. CORE SAMPLE COMPOSITIONS

MINERAL PROPORTIONS DATA FROM C.S.I.R.O. REPORT MCC562 AMALGAMATED WITH MAGNESITE/DOLOMITE/CALCITE COMPOSITIONS FROM C.S.I.R.O. REPORT MCC589 AND CALCULATED TO SHOW APPORTIONMENT OF ELEMENTS BETWEEN MAGNESITE AND DOLOMITE, ETC. FOR EACH SAMPLE.

| Sample depth (m) | Mineral | | Element | | | Mineral Element | | Mineral |
|------------------|-------------|----------|-------------------|--------------|--------------------|------------------------------|---------------------|---------|
| | Magnesite | Dolomite | Mg;Ca;Fe;Mn: | Quartz SiO2: | talc/chlor/felspar | pyrite | total Fe ox/sulph | |
| | Ca | Ca | : total silicates | | | | | |
| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total | |
| 53 | 49.2 | 13.64 | 0.07 | 0.78 | 0.08 | 9.4 | 0.0 | |
| | 41.4 | 5.47 | 8.64 | 0.19 | 0.03 | 0.0 | 0.0 | |
| | 0.0 | | 0.0 | | | 9.4 | 0.0 | |
| 54 | 44.0 | 12.53 | 0.04 | 0.68 | 0.07 | 19.0 | | |
| | 37.0 | 4.95 | 7.79 | 0.16 | 0.03 | 0.0 | | |
| | 0.0 | | 0.0 | | | 19.0 | | |
| 55 | 61.2 | 16.62 | 0.06 | 1.40 | 0.11 | 14.9 | | |
| | 23.8 | 3.07 | 5.01 | 0.14 | 0.02 | 0.0 | | |
| | 0.0 | | 0.0 | | | 14.9 | | |
| 56 | 38.8 | 10.28 | 0.04 | 1.68 | 0.09 | 16.9 | | |
| | 43.3 | 5.57 | 9.30 | 0.44 | 0.04 | 0.0 | | |
| | 0.0 | | 0.0 | | | 16.9 | | |
| 57 | 51.5 | 14.28 | 0.06 | 1.46 | 0.09 | 9.2 | | |
| | 39.3 | 5.20 | 8.43 | 0.27 | 0.03 | 0.0 | | |
| | 0.0 | | 0.0 | | | 9.2 | | |
| 58 | 72.9 | 20.03 | 0.06 | 1.98 | 0.13 | 12.4 | | |
| | 19.4 | 2.57 | 4.22 | 0.15 | 0.02 | 0.0 | | |
| | 0.0 | | 0.0 | | | 12.4 | | |

(dolomite values taken from average of 57 and 59.

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------|-------------------|------|-------|------|------|------------------------------------|---------------------------|
| 52 | 18.7 | 5.17 | 0.01 | 0.49 | 0.03 | 12.4 | |
| | 68.9 | 9.12 | 15.12 | 0.62 | 0.09 | 0.0 | |
| | 0.0 | | 0.0 | | | 12.4 | |

(magnesite values taken from average of 58 and 61.)

60.2-60.4 talc/chlorite schist; no sample

| | | | | | | | |
|----|------|-------|-------|------|------|-----------|--|
| 61 | 63.4 | 17.66 | 0.05 | 1.59 | 0.10 | 7.3 | |
| | 29.3 | 3.83 | 6.41 | 0.28 | 0.04 | 0.0 | |
| | 0.0 | | 0.0 | | | 7.3 | |
| 62 | 77.9 | 21.65 | 0.07 | 1.67 | 0.12 | 2.6 | |
| | 19.7 | 2.63 | 4.24 | 0.15 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.6 | |
| 63 | 57.5 | 15.98 | 0.05 | 1.15 | 0.09 | 3.0 | |
| | 23.5 | 3.06 | 5.03 | 0.13 | 0.01 | 15.0 talc | |
| | 1.0 | | 0.40 | | | 18.0 | |
| 64 | 11.5 | 2.94 | 0.02 | 0.65 | 0.06 | 8.5 | |
| | 59.5 | 7.76 | 12.64 | 0.68 | 0.10 | 20.0 talc | |
| | 0.0 | | 0.0 | | | 28.5 | |

(value for magnesite taken from that listed for 65. The value listed for 64 is invalid as it includes a mixture of dolomite and magnesite determinations. It is likely that a swapover has occurred in compiling the table since there is trace amounts only of magnesite in the 65 sample.)

| | | | | | | | |
|----|------|------|-------|------|------|------|--|
| 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.7 | |
| | 71.3 | 9.03 | 15.15 | 0.87 | 0.11 | 0.0 | |
| | 0.0 | | 0.0 | | | 28.7 | |
| 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.4 | |
| | 72.5 | 8.98 | 15.02 | 1.26 | 0.20 | 0.0 | |
| | 0.0 | | 0.0 | | | 27.4 | |

66.45-66.7 talc schist; no sample.

| | | | | | | | |
|----|------|-------|------|------|------|------|--|
| 67 | 56.2 | 15.02 | 0.04 | 2.38 | 0.12 | 25.2 | |
| | 18.6 | 2.43 | 3.94 | 0.18 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 25.2 | |

3

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------|-------------------|------|------|------|------|------------------------------------|---------------------------|
| 68 | 32.5 | 8.12 | 0.03 | 2.46 | 0.11 | 43.0 | Feox 0.5 |
| | 20.0 | 2.60 | 4.35 | 0.26 | 0.02 | 2.5 talc | 0.0 |
| | 1.5 | | 0.6 | | | 46.0 | 0.5 |

(discrepancies in data table adjusted).

69 no sample; extrapolate from 68 above

69.7-70.6 talcose chlorite schist no sample

| | | | | | | | |
|----|------|-------|-------|------|------|-----------|--|
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.1 | |
| | 88.9 | 11.56 | 19.10 | 0.68 | 0.07 | 0.0 | |
| | 0.0 | | 0.0 | | | 11.1 | |
| 72 | 2.0 | 0.53 | 0.00 | 0.08 | 0.01 | 10.0 | |
| | 87.9 | 11.47 | 18.36 | 0.62 | 0.10 | 0.0 | |
| | 0.0 | | 0.0 | | | 10.0 | |
| 73 | 54.5 | 15.37 | 0.06 | 0.88 | 0.09 | 0.0 | |
| | 36.0 | 4.84 | 7.50 | 0.19 | 0.03 | 8.0 talc | |
| | 1.0 | | 0.40 | | | 8.0 | |
| 74 | 59.5 | 17.05 | 0.05 | 0.73 | 0.09 | 0.0 | |
| | 31.5 | 4.11 | 6.65 | 0.13 | 0.03 | 7.0 talc | |
| | 0.5 | | 0.20 | | | 7.0 | |
| 75 | 57.0 | 16.50 | 0.05 | 0.74 | 0.09 | 0.0 | |
| | 24.0 | 2.92 | 5.14 | 0.08 | 0.02 | 17.0 talc | |
| | 0.0 | | 0.0 | | | 17.0 | |
| 76 | 70.3 | 19.97 | 0.07 | 0.84 | 0.09 | 3.4 | |
| | 26.3 | 3.59 | 5.63 | 0.12 | 0.03 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.4 | |
| 77 | 0.8 | 0.22 | 0.00 | 0.03 | 0.00 | 4.0 | |
| | 95.2 | 12.53 | 20.55 | 0.62 | 0.13 | 0.0 | |
| | 0.0 | | 0.0 | | | 4.0 | |
| 78 | 2.1 | 0.80 | 0.00 | 0.08 | 0.01 | 3.2 | |
| | 94.8 | 12.38 | 20.26 | 0.69 | 0.14 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.2 | |

(no sample) values interpolated from average of 77 and 79 figures).

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|-----------|---------------------|---------------|-----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>79</u> | 3.4 94.3 0.0 | 0.93 12.22 | 0.00 19.97 0.0 | 0.12 0.75 | 0.01 0.14 | 2.3 0.0 2.3 | |
| <u>80</u> | 0.1 98.3 0.0 | 0.03 12.97 | 0.00 20.94 0.0 | 0.00 0.53 | 0.00 0.10 | 1.6 0.0 1.6 | |
| <u>81</u> | 3.0 93.0 2.0 | 0.83 12.31 | 0.00 19.63 0.80 | 0.07 0.50 | 0.01 0.11 | 0.5 0.5 talc 1.0 | |
| <u>82</u> | 13.0 76.0 0.5 | 3.65 9.98 | 0.01 16.27 0.20 | 0.23 0.38 | 0.02 0.05 | 0.0 10.5 talc 10.5 | |
| <u>83</u> | 56.5 38.0 0.0 | 15.90 5.01 | 0.05 8.18 0.0 | 1.06 0.14 | 0.10 0.03 | 0.0 6.0 talc 6.0 | |
| <u>84</u> | 67.0 19.5 0.5 | 18.79 2.62 | 0.03 4.10 0.20 | 1.25 0.08 | 0.12 0.02 | 1.0 12.0 talc 13.0 | |
| <u>85</u> | 9.5 70.5 1.5 | 2.56 9.20 | 0.01 14.88 0.60 | 0.36 0.62 | 0.02 0.06 | 2.5 18.0 talc 20.5 | |
| <u>86</u> | 44.5 20.5 0.5 | 12.35 2.72 | 0.04 4.37 0.20 | 1.20 0.15 | 0.06 0.02 | 3.0 31.5 talc 34.5 | |
| <u>87</u> | 57.5 22.0 0.0 | 16.26 2.93 | 0.04 4.72 0.0 | 1.13 0.09 | 0.07 0.01 | 2.5 18.0 talc 20.5 | |
| <u>88</u> | 60.0 18.5 0.0 | 16.78 2.44 | 0.05 3.96 0.0 | 1.42 0.09 | 0.09 0.01 | 0.5 20.5 talc 20.5 | FeS 0.5 0.5 |

89 no sample; extrapolate from 88 above.

89.9-93.4 marker 2c; dolomitic greenschist.

5

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|-----------|---------------------|----------------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>94</u> | 54.5 18.5 0.0 | 14.50 2.39 0.0 | 0.04 3.92 | 2.39 0.19 | 0.10 0.02 | 0.0 27.0 talc 27.0 | |
| <u>95</u> | 34.0 31.6 1.3 | 9.11 4.06 | 0.03 6.66 0.52 | 1.43 0.33 | 0.07 0.03 | 3.4 29.2 talc 32.6 | |
| <u>96</u> | 60.1 38.5 0.0 | 16.14 5.01 | 0.06 8.19 0.0 | 2.36 0.50 | 0.12 0.07 | 1.3 0.0 1.3 | |

97,0-100.7 marker 2b; dolomitic greenschist; no sample.

102,103 no sample; extrapolate from 103 below.

| | | | | | | | |
|------------|--------------------|-------------|---------------------|-------------|-------------|---------------------|--|
| <u>103</u> | 0.0 69.9 0.0 | 0.0 9.03 | 0.0 15.12 0.0 | 0.0 0.62 | 0.0 0.06 | 30.1 0.0 30.1 | |
|------------|--------------------|-------------|---------------------|-------------|-------------|---------------------|--|

103-103.5 marker 2a'; dolomitic greenschist; (a stringer of marker 2a)

104,105 no assay; extrapolate from 106 below.

| | | | | | | | |
|------------|--------------------|--------------|---------------------|-------------|-------------|---------------------|--|
| <u>106</u> | 0.0 89.5 0.0 | 0.0 11.89 | 0.0 18.78 0.0 | 0.0 0.51 | 0.0 0.05 | 10.5 0.0 10.5 | |
|------------|--------------------|--------------|---------------------|-------------|-------------|---------------------|--|

| | | | | | | | |
|------------|---------------------|--------------|----------------------|--------------|--------------|---------------------|--|
| <u>107</u> | 17.7 63.8 0.0 | 4.87 8.35 | 0.03 13.40 0.0 | 0.52 0.59 | 0.03 0.07 | 19.2 0.0 19.2 | |
|------------|---------------------|--------------|----------------------|--------------|--------------|---------------------|--|

| | | | | | | | |
|------------|---------------------|---------------|---------------------|--------------|--------------|---------------------|--|
| <u>108</u> | 53.6 34.2 0.0 | 14.99 4.48 | 0.05 7.19 0.0 | 1.14 0.32 | 0.08 0.04 | 12.2 0.0 12.2 | |
|------------|---------------------|---------------|---------------------|--------------|--------------|---------------------|--|

(no dolomite values given; dolomite composition taken from 107 above)

109 no sample; extrapolate from 108 above.

109.7-111.9 marker 2a; dolomitic greenschist.

| | | | | | | | |
|------------|--------------------|---------------|----------------------|--------------|--------------|---------------------|--|
| <u>112</u> | 0.7 88.9 0.0 | 0.20 11.66 | 0.00 18.85 0.0 | 0.01 0.63 | 0.00 0.11 | 10.4 0.0 10.4 | |
|------------|--------------------|---------------|----------------------|--------------|--------------|---------------------|--|

6

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|---|-------------------|-------|-------|------|------|------------------------------------|---------------------------|
| <u>113</u> | 8.0 | 2.18 | 0.01 | 0.25 | 0.02 | 4.5 | |
| | 76.5 | 10.04 | 16.12 | 0.68 | 0.10 | 5.0 talc | |
| | 5.0 | | 2.00 | | | 9.5 | |
| <u>114</u> no sample; extrapolate from 113 above. | | | | | | | |
| <u>114.7-115.2</u> minor greenschist, no sample. | | | | | | | |
| <u>116</u> | 31.2 | 8.41 | 0.04 | 1.19 | 0.06 | 2.1 | |
| | 66.6 | 8.44 | 13.87 | 1.09 | 0.09 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.1 | |
| <u>117</u> | 56.9 | 15.27 | 0.05 | 2.31 | 0.10 | 3.5 | |
| | 39.5 | 5.03 | 8.20 | 0.60 | 0.05 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.5 | |
| (no sample; value taken from average of 116 and 118.) | | | | | | | |
| <u>118</u> | 82.6 | 22.13 | 0.06 | 3.42 | 0.13 | 4.9 | |
| | 12.3 | 1.61 | 2.52 | 0.10 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 4.9 | |
| <u>119,120</u> no sample; extrapolate from 118. | | | | | | | |
| <u>120.3-133.3</u> marker 2; dolomitic greenschist. | | | | | | | |
| <u>134,135</u> no sample; extrapolate from 138. | | | | | | | |
| <u>135.4-137.8</u> marker 2; dolomitic greenschist. | | | | | | | |
| <u>138</u> | 79.9 | 21.04 | 0.07 | 3.68 | 0.17 | 2.4 | |
| | 17.6 | 2.25 | 3.72 | 0.23 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.4 | |
| <u>139</u> no sample; extrapolate from 138. | | | | | | | |
| <u>140,141</u> no sample; extrapolate from 142. | | | | | | | |
| <u>142</u> | 75.8 | 20.44 | 0.08 | 3.24 | 0.11 | 2.3 | |
| | 21.9 | 2.87 | 4.65 | 0.24 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.3 | |
| <u>143</u> | 13.1 | 3.56 | 0.02 | 0.44 | 0.02 | 2.1 | |
| | 84.8 | 11.01 | 17.86 | 0.94 | 0.13 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.1 | |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|--|---------------------|---------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>144</u> | 88.8 7.1 0.0 | 24.66 0.94 | 0.08 1.47 0.0 | 2.21 0.07 | 0.11 0.00 | 4.1 0.0 4.1 | |
| <u>145</u> | 73.5 24.9 0.0 | 20.62 3.35 | 0.06 5.22 0.0 | 1.58 0.14 | 0.08 0.01 | 1.2 0.0 1.2 | |
| <u>146</u> | 70.8 27.9 0.0 | 19.80 3.77 | 0.06 6.05 0.0 | 1.66 0.16 | 0.08 0.01 | 1.2 0.0 1.2 | |
| <u>147,148</u> no sample; extrapolate from 146. | | | | | | | |
| <u>149,150,151</u> no sample; extrapolate from 152. | | | | | | | |
| <u>152</u> | 91.0 7.0 0.0 | 25.10 0.94 | 0.06 1.49 0.0 | 2.29 0.05 | 0.08 0.00 | 1.0 0.0 1.0 | FeS 0.5 0.5 |
| <u>153</u> | 93.9 4.7 0.1 | 26.08 0.62 | 0.08 1.01 0.04 | 2.64 0.04 | 0.09 0.00 | 1.3 0.0 1.3 | |
| <u>154</u> | 91.0 9.0 0.0 | 24.33 1.19 | 0.05 1.94 0.0 | 2.71 0.07 | 0.10 0.00 | 0.0 0.0 0.0 | |
| <u>155</u> | 86.5 13.0 0.0 | 23.32 1.72 | 0.06 2.82 0.0 | 2.76 0.11 | 0.10 0.01 | 0.0 0.0 0.0 | |
| (no sample; values taken from average of 154 and 156.) | | | | | | | |
| <u>156</u> | 82.0 17.0 0.0 | 22.30 2.24 | 0.07 3.70 0.0 | 2.80 0.15 | 0.10 0.01 | 0.0 0.0 0.0 | Feox 1.0 1.0 |
| <u>157</u> | 0.0 87.2 2.2 | 0.0 11.43 | 0.0 18.77 0.88 | 0.0 0.67 | 0.0 0.05 | 10.5 0.0 10.5 | |
| <u>158</u> | 85.9 11.1 0.0 | 23.59 1.43 | 0.08 2.33 0.0 | 2.79 0.15 | 0.09 0.02 | 2.8 0.0 2.8 | |

8

| S (m) | Mag Pol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------------|-------------------|-------|------|------|------|------------------------------------|---------------------------|
| <u>152</u> | 75.9 | 20.47 | 0.06 | 3.06 | 0.12 | 3.4 | |
| | 20.3 | 2.62 | 4.25 | 0.23 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.4 | |

160 no sample; extrapolate from 159 above

161 no sample; extrapolate from 162 below

| | | | | | | | |
|------------|------|-------|------|------|------|-----|--|
| <u>162</u> | 72.0 | 19.28 | 0.06 | 2.85 | 0.14 | 4.4 | |
| | 23.4 | 3.06 | 4.97 | 0.19 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 4.4 | |

| | | | | | | | |
|------------|------|-------|------|------|------|------|--|
| <u>163</u> | 69.2 | 18.96 | 0.06 | 2.00 | 0.15 | 11.7 | |
| | 19.1 | 2.50 | 4.16 | 0.15 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 11.7 | |

164, 165, 166, 167, 168; cavity, no samples: represent by average of 162 and 163 samples.

168.8-178.1 marker J; greenschist, no sample.

Hole ends in magnesite at 178.4

TABLE 8.2 M.C.No 27 DDH. CORE SAMPLE COMPOSITIONS

MINERAL PROPORTIONS DATA FROM C.S.I.R.O. REPORT MCC562 AMALGAMATED WITH MAGNESITE/DOLOMITE/CALCITE COMPOSITIONS FROM C.S.I.R.O. REPORT MCC589 AND CALCULATED TO SHOW APPORTIONMENT OF ELEMENTS BETWEEN MAGNESITE AND DOLOMITE, ETC. FOR EACH SAMPLE.

| Sample depth | Mineral | | Element | | | Mineral | | Element | | Mineral iron oxides pyrite total Fe ox/sulph |
|--|----------------------|----------|---------|------|------|-----------------|---------|------------------|--------------------|---|
| | Magnesite | Dolomite | Mg | Ca | Fe | Mn | Quartz | SiO ₂ | talc/chlor/felspar | |
| S(m) | Mag | Mg | Ca | Fe | Mn | Quartz | | | | Fe oxides |
| | Dol | | | | | talc/chlor/fels | | | | FeS |
| | Cal | | | | | total | | | | total |
| E. margin of deposit (minor karst cavity indicated). | | | | | | | | | | |
| <u>33</u> | 95.4 | 26.74 | 0.10 | 1.48 | 0.06 | 0.6 | | | | |
| | 4.0 | 0.53 | 0.85 | 0.03 | 0.00 | 0.0 | | | | |
| | 0.0 | 0.0 | | | | 0.6 | | | | 0.0 |
| <u>34</u> | 92.1 | 25.62 | 0.07 | 1.63 | 0.06 | 0.8 | | | | |
| | 7.1 | 0.93 | 1.49 | 0.05 | 0.00 | 0.0 | | | | |
| | 0.0 | | 0.0 | | | 0.8 | | | | 0.0 |
| <u>35</u> | 93.9 | 26.25 | 0.09 | 1.90 | 0.08 | 0.6 | | | | Feox 0.1 |
| | 5.4 | 0.71 | 1.17 | 0.03 | 0.00 | 0.0 | | | | |
| | 0.0 | | 0.0 | | | 0.6 | | | | 0.1 |
| <u>36</u> | 95.3 | 26.44 | 0.09 | 1.96 | 0.09 | 0.05 | | | | Feox 0.2 |
| | 4.0 | 0.53 | 0.87 | 0.03 | 0.00 | 0.0 | | | | |
| | 0.0 | | 0.0 | | | 0.05 | | | | 0.2 |
| (no assay for magnesite; use average of magnesite assays for 35 and 37.) | | | | | | | | | | |
| <u>37</u> | 87.3 | 24.02 | 0.07 | 1.82 | 0.08 | 1.0 | | | | |
| | 10.7 | 1.38 | 2.30 | 0.09 | 0.01 | 1.0 | felspar | | | |
| | 0.0 | | 0.0 | | | 2.0 | | | | |
| <u>37.85-40.0</u> | marker 1 greenschist | | | | | | | | | |
| <u>40</u> | 86.9 | 23.60 | 0.08 | 2.21 | 0.07 | 1.8 | | | | |
| | 11.3 | 1.46 | 2.48 | 0.13 | 0.01 | 0.0 | | | | |
| | 0.0 | | 0.0 | | | 1.8 | | | | |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|---|---------------------|---------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>41</u> | 85.7 13.6 0.0 | 23.58 1.79 | 0.08 3.00 0.0 | 2.21 0.10 | 0.06 0.01 | 0.7 0.0 0.7 | |
| <u>42</u> | 95.7 3.7 0.0 | 26.63 0.48 | 0.07 0.78 0.0 | 2.08 0.03 | 0.06 0.00 | 0.6 0.0 0.6 | |
| <u>43</u> | 93.7 4.4 0.0 | 25.60 0.59 | 0.10 0.85 0.00 | 2.77 0.05 | 0.08 0.01 | 1.9 0.0 1.9 | |
| (no sample) cavity and broken core: use average of 42 and 44) | | | | | | | |
| <u>44</u> | 91.8 5.0 0.0 | 24.57 0.69 | 0.12 0.92 0.0 | 3.45 0.07 | 0.10 0.01 | 3.2 0.0 3.2 | |
| <u>45</u> | 91.5 5.4 0.0 | 24.73 0.71 | 0.07 1.16 0.0 | 2.74 0.04 | 0.10 0.00 | 3.1 0.0 3.1 | |
| <u>46</u> | 96.4 3.3 0.0 | 26.42 0.43 | 0.09 0.71 0.0 | 2.20 0.03 | 0.07 0.00 | 0.3 0.0 0.3 | |
| <u>47</u> | 90.9 8.2 0.0 | 25.53 1.08 | 0.06 1.79 0.0 | 1.66 0.05 | 0.07 0.01 | 0.9 0.0 0.9 | |
| <u>48</u> | 96.5 2.9 0.0 | 26.19 0.38 | 0.12 0.63 0.0 | 3.26 0.03 | 0.11 0.00 | 0.6 0.0 0.6 | |
| <u>49</u> | 92.6 5.2 0.2 | 25.80 0.69 | 0.06 1.15 0.08 | 1.98 0.04 | 0.06 0.00 | 1.9 0.0 1.9 | Feox 0.1 0.0 0.1 |
| <u>50</u> | 94.0 4.4 0.0 | 26.56 0.59 | 0.07 0.96 0.0 | 1.49 0.03 | 0.06 0.00 | 1.6 0.0 1.6 | |
| <u>51</u> | 96.8 2.6 0.0 | 27.29 0.34 | 0.07 0.57 0.0 | 1.35 0.02 | 0.05 0.00 | 0.6 0.0 0.6 | |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|---|-------------------|-------|------|------|------|------------------------------------|---------------------------|
| 52 | 91.1 | 25.24 | 0.06 | 1.76 | 0.09 | 1.7 | |
| | 7.2 | 0.95 | 1.57 | 0.04 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.7 | |
| 53 | 96.9 | 27.23 | 0.07 | 1.62 | 0.06 | 0.6 | |
| | 2.5 | 0.33 | 0.55 | 0.02 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.6 | |
| 54 | 89.9 | 25.15 | 0.06 | 1.52 | 0.05 | 1.3 | |
| | 8.6 | 1.15 | 1.94 | 0.05 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.3 | |
| 55 | 95.0 | 26.66 | 0.10 | 1.94 | 0.07 | 0.9 | |
| | 4.1 | 0.53 | 0.90 | 0.03 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.9 | |
| 56 | 95.7 | 26.41 | 0.07 | 1.91 | 0.07 | 0.6 | |
| | 3.7 | 0.48 | 0.81 | 0.03 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.6 | |
| 57 | 90.0 | 24.60 | 0.07 | 2.57 | 0.10 | 0.5 | |
| | 9.5 | 1.24 | 2.09 | 0.07 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.5 | |
| 58 | 90.2 | 25.07 | 0.07 | 1.98 | 0.08 | 0.5 | |
| | 8.8 | 1.16 | 1.95 | 0.06 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.5 | |
| (no magnesite assay; use average of 57 and 59.) | | | | | | | |
| 59 | 71.2 | 20.11 | 0.05 | 1.08 | 0.04 | 1.6 | |
| | 27.2 | 3.57 | 0.48 | 0.81 | 0.03 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.6 | |
| 60 | 93.0 | 26.20 | 0.07 | 1.30 | 0.06 | 1.0 | |
| | 6.0 | 0.78 | 1.32 | 0.04 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.0 | |
| 61 | 92.5 | 25.92 | 0.06 | 1.50 | 0.06 | 2.4 | 0.0 |
| | 4.9 | 0.65 | 1.07 | 0.03 | 0.00 | 0.0 | 0.1 |
| | 0.0 | | 0.0 | | | 2.4 | 0.1 |
| 62 | 93.7 | 25.22 | 0.09 | 3.50 | 0.19 | 2.5 | 0.0 |
| | 3.6 | 0.47 | 0.78 | 0.05 | 0.00 | 0.0 | 0.2 |
| | 0.0 | | 0.0 | | | 2.5 | 0.2 |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------|-------------------|----|----|----|----|------------------------------------|---------------------------|
|------|-------------------|----|----|----|----|------------------------------------|---------------------------|

62.4-64.25 marker 2c; dolomitic greenschist with talcose margins

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|---------|
| <u>65</u> | 86.5 | 23.77 | 0.10 | 2.05 | 0.08 | 1.9 | |
| | 11.4 | 1.47 | 2.46 | 0.10 | 0.01 | 0.0 | FeS 0.2 |
| | 0.0 | | 0.0 | | | 1.9 | 0.2 |

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|---------|
| <u>66</u> | 79.2 | 21.84 | 0.13 | 1.48 | 0.06 | 1.9 | |
| | 18.8 | 2.43 | 4.06 | 0.16 | 0.02 | 0.0 | FeS 0.1 |
| | 0.0 | | 0.0 | | | 1.9 | 0.1 |

(no dolomite assay, dolomite composition taken from 65 above. In the CSIRO table the magnesite assay is repeated in the dolomite position)

67.2-70.35 marker 2b; dolomitic greenschist and amphibolite with talc schist margins

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|---------|
| <u>71</u> | 90.9 | 25.35 | 0.20 | 1.55 | 0.06 | 1.7 | 0.0 |
| | 7.2 | 0.94 | 1.52 | 0.08 | 0.01 | 0.0 | FeS 0.2 |
| | 0.0 | | 0.0 | | | 1.7 | 0.2 |

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|--|
| <u>72</u> | 87.8 | 24.25 | 0.20 | 2.20 | 0.11 | 3.8 | |
| | 8.4 | 1.07 | 1.82 | 0.10 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.8 | |

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|--|
| <u>73</u> | 95.1 | 25.84 | 0.09 | 3.17 | 0.12 | 2.5 | |
| | 2.4 | 0.32 | 0.52 | 0.02 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.5 | |

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|---------|
| <u>74</u> | 74.8 | 20.69 | 0.05 | 1.78 | 0.06 | 3.8 | |
| | 21.3 | 2.76 | 4.59 | 0.19 | 0.02 | 0.0 | FeS 0.1 |
| | 0.0 | | 0.0 | | | 3.8 | 0.1 |

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|---------|
| <u>75</u> | 79.6 | 21.83 | 0.07 | 1.93 | 0.07 | 4.3 | |
| | 15.9 | 2.04 | 3.44 | 0.13 | 0.01 | 0.0 | FeS 0.2 |
| | 0.0 | | 0.0 | | | 4.3 | 0.2 |

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|--|
| <u>76</u> | 86.1 | 22.78 | 0.08 | 3.42 | 0.14 | 1.1 | |
| | 12.7 | 1.63 | 2.77 | 0.09 | 0.01 | 0.0 | |
| | 0.1 | | 0.04 | | | 1.1 | |

| | | | | | | | |
|-----------|------|-------|-------|------|------|-----|---------|
| <u>77</u> | 39.0 | 10.45 | 0.05 | 1.46 | 0.05 | 5.0 | |
| | 55.8 | 7.17 | 12.13 | 0.38 | 0.03 | 0.0 | FeS 0.2 |
| | 0.0 | | 0.0 | | | 5.0 | 0.2 |

(No dolomite value given; use composition for 76)

| S(m) | Mag | Mg | Ca | Fe | Mn | Quartz | Fe oxides |
|------------|-----|----|-------|----|----|-----------------|------------|
| <u>Dol</u> | | | | | | talc/chlor/fels | FeS |
| total | | | total | | | | <u>Cal</u> |

77.5-79.35 marker 2a' (dolomitic greenschist with talcose margins, a stringer of marker 2a)

| | | | | | | | |
|-----------|------|-------|------|------|------|-----|--|
| <u>80</u> | 68.4 | 18.19 | 0.08 | 2.53 | 0.10 | 3.1 | |
| | 28.5 | 3.59 | 6.17 | 0.38 | 0.03 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.1 | |

80.18-88.2 marker 2a; dolomitic greenschist and amphibolite with talcose top.

| | | | | | | | |
|------------|------|-------|------|------|------|----------------|---------|
| <u>89-</u> | 53.0 | 13.28 | 0.08 | 3.29 | 0.11 | 1.0 | 0.0 |
| | 35.0 | 4.39 | 7.32 | 0.49 | 0.02 | 10.0(chlorite) | FeS 1.0 |
| | 0.0 | | 0.0 | | | 11.0 | 1.0 |

88.8-97.8 marker 2; dolomitic greenschist with minor magnesite, no sample.

97.8-98.15 dolomitic magnesite; no sample.

98.15-100.05 marker 2z; dolomitic greenschist.

| | | | | | | | |
|-------------|------|-------|------|------|------|-----|---------|
| <u>100+</u> | 83.6 | 22.45 | 0.08 | 3.29 | 0.11 | 3.4 | 0.0 |
| | 12.9 | 1.67 | 2.71 | 0.18 | 0.01 | 0.0 | FeS 0.1 |
| | 0.0 | | 0.0 | | | 3.4 | 0.1 |

100.9-101.6 dolomitic greenschist stringer.

| | | | | | | | |
|------------|------|-------|------|------|------|-----|---------|
| <u>102</u> | 61.3 | 16.81 | 0.07 | 1.96 | 0.10 | 2.6 | |
| | 36.0 | 4.67 | 7.60 | 0.51 | 0.05 | 0.0 | FeS 0.1 |
| | 0.0 | | 0.0 | | | 2.6 | 0.1 |

| | | | | | | | |
|------------|------|-------|------|------|------|-----|--|
| <u>103</u> | 85.5 | 23.43 | 0.07 | 2.80 | 0.11 | 2.6 | |
| | 11.9 | 1.52 | 2.46 | 0.23 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.6 | |

104.3-111.2 marker 3; dolomitic greenschist and amphibolite with talcose margins.

| | | | | | | | |
|------------|------|-------|------|------|------|-----|---------|
| <u>112</u> | 89.9 | 25.11 | 0.06 | 2.23 | 0.10 | 2.8 | 0.0 |
| | 7.2 | 0.95 | 1.50 | 0.08 | 0.01 | 0.0 | FeS 0.1 |
| | 0.0 | | 0.0 | | | 2.8 | 0.1 |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|--|---------------------|---------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>113</u> | 84.7 12.4 0.0 | 23.57 1.65 | 0.10 2.62 0.0 | 1.82 0.09 | 0.08 0.01 | 2.8 0.0 2.8 | FeS 0.1 0.1 |
| <u>114</u> | 74.8 24.2 0.0 | 21.15 3.22 | 0.05 5.16 0.0 | 1.39 0.19 | 0.05 0.01 | 1.0 0.0 1.0 | |
| <u>115</u> | 84.5 13.8 0.0 | 23.66 1.56 | 0.07 2.90 0.0 | 1.50 0.10 | 0.07 0.01 | 1.7 0.0 1.7 | |
| <u>116</u> | 84.9 13.7 0.0 | 23.15 1.79 | 0.08 2.90 0.0 | 2.13 0.11 | 0.08 0.01 | 1.4 0.0 1.4 | |
| <u>117</u> | 87.4 11.2 0.0 | 24.00 1.47 | 0.06 2.37 0.0 | 1.81 0.08 | 0.07 0.01 | 1.3 0.0 1.3 | FeS 0.1 0.1 |
| <u>118</u> | 90.0 8.6 0.0 | 24.44 1.12 | 0.06 1.83 0.0 | 2.37 0.07 | 0.09 0.00 | 1.4 0.0 1.4 | |
| (no value given for dolomite; take average composition for 118 and 120.) | | | | | | | |
| <u>119</u> | 42.0 54.9 0.0 | 11.49 7.14 | 0.05 11.74 0.0 | 0.91 0.51 | 0.04 0.03 | 3.1 0.0 3.1 | |
| <u>120.1-129.0</u> marker 4; dolomitic greenschist and amphibolite with talcose margins. | | | | | | | |
| <u>129</u> | 92.9 5.9 0.0 | 24.72 0.77 | 0.07 1.25 0.0 | 3.60 0.07 | 0.14 0.01 | 1.2 0.0 1.2 | |
| <u>130</u> | 98.6 1.3 0.0 | 26.75 0.17 | 0.08 0.28 0.0 | 2.97 0.01 | 0.13 0.00 | 0.1 0.0 0.1 | |
| <u>131</u> | 94.1 5.0 0.0 | 25.52 0.65 | 0.09 1.06 0.0 | 2.65 0.05 | 0.12 0.00 | 0.6 0.0 0.6 | 0.0 0.3 0.3 |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|--|---------------------|---------------|-----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>132</u> | 97.1 2.3 0.0 | 26.26 0.30 | 0.06 0.49 0.0 | 2.55 0.02 | 0.09 0.00 | 0.6 0.0 0.6 | |
| <u>133</u> | 94.0 4.9 0.0 | 25.92 0.64 | 0.07 1.06 0.0 | 1.93 0.04 | 0.08 0.00 | 1.1 0.0 1.1 | |
| <u>134</u> | 91.6 7.5 0.0 | 25.39 0.97 | 0.05 1.59 0.0 | 1.92 0.08 | 0.08 0.01 | 0.9 0.0 0.9 | |
| <u>134.6-136.55</u> marker 4y; dolomitic greenschist and amphibolite with talcose margins. | | | | | | | |
| <u>137</u> | 90.6 8.7 0.0 | 24.84 1.12 | 0.06 1.84 0.0 | 1.86 0.08 | 0.08 0.01 | 0.6 0.0 0.6 | 0.0 FeS 0.1 0.1 |
| <u>138</u> | 87.8 10.4 0.0 | 24.09 1.34 | 0.06 2.22 0.0 | 1.79 0.11 | 0.08 0.01 | 1.7 0.0 1.7 | FeS 0.1 0.1 |
| <u>139</u> | 84.9 13.4 0.0 | 23.33 1.73 | 0.06 2.85 0.0 | 1.83 0.12 | 0.09 0.01 | 1.5 0.0 1.5 | FeS 0.2 |
| <u>140</u> | 90.5 6.6 0.0 | 25.04 0.85 | 0.06 1.41 0.0 | 1.38 0.06 | 0.05 0.00 | 1.0 0.0 1.0 | FeS 1.9 1.9 |
| <u>141</u> | 81.3 18.0 0.0 | 22.32 2.03 | 0.06 4.28 0.0 | 1.84 0.16 | 0.09 0.03 | 0.7 0.0 0.7 | |
| <u>142</u> | 79.2 19.6 0.0 | 21.76 2.52 | 0.06 4.17 0.0 | 1.46 0.17 | 0.07 0.01 | 1.0 0.0 1.0 | FeS 0.2 0.2 |
| <u>143</u> | 17.5 81.0 1.0 | 4.81 10.46 | 0.02 16.95 0.40 | 0.34 0.66 | 0.02 0.06 | 0.5 0.0 0.5 | |
| (silicates shown as chlorite with no quartz in C.S.I.R.O. table) | | | | | | | |
| <u>144</u> | 82.5 16.5 0.0 | 22.42 2.09 | 0.08 3.52 0.0 | 2.20 0.21 | 0.10 0.01 | 1.0 0.0 1.0 | |

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| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------------|-------------------|-------|-------|------|------|------------------------------------|---------------------------|
| <u>145</u> | 29.7 | 8.09 | 0.04 | 0.67 | 0.03 | 3.0 | Feox 0.1 |
| | 67.0 | 8.50 | 14.36 | 0.73 | 0.07 | 0.0 | FeS 0.1 |
| | 0.1 | | 0.04 | | | 3.0 | 0.2 |
| <u>146</u> | 56.0 | 15.02 | 0.03 | 1.71 | 0.05 | 1.9 | |
| | 42.1 | 5.29 | 8.25 | 0.53 | 0.04 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.9 | |
| <u>147</u> | 39.0 | 10.90 | 0.04 | 0.53 | 0.03 | 0.7 | |
| | 60.3 | 7.76 | 12.99 | 0.74 | 0.05 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.7 | |
| <u>148</u> | 26.0 | 7.06 | 0.03 | 0.60 | 0.03 | 1.2 | |
| | 72.8 | 9.22 | 15.51 | 0.88 | 0.08 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.2 | |
| <u>149</u> | 4.0 | 1.09 | 0.01 | 0.08 | 0.00 | 2.0 | |
| | 94.0 | 12.07 | 20.10 | 1.03 | 0.09 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.0 | |
| <u>150</u> | 4.1 | 1.11 | 0.01 | 0.11 | 0.00 | 1.6 | |
| | 94.3 | 11.84 | 20.08 | 1.33 | 0.10 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.6 | |
| <u>151</u> | 8.5 | 2.36 | 0.01 | 0.15 | 0.01 | 1.3 | |
| | 90.2 | 11.34 | 19.11 | 1.38 | 0.14 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.3 | |
| <u>152</u> | 34.1 | 9.36 | 0.02 | 0.92 | 0.05 | 2.2 | |
| | 63.7 | 8.11 | 13.46 | 0.88 | 0.10 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.2 | |
| <u>153</u> | 79.9 | 22.04 | 0.06 | 1.85 | 0.12 | 1.3 | |
| | 18.8 | 2.44 | 4.00 | 0.16 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.3 | |
| <u>154</u> | 95.4 | 25.71 | 0.07 | 3.06 | 0.09 | 0.5 | |
| | 4.1 | 0.54 | 0.87 | 0.03 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.5 | |
| <u>155</u> | 64.0 | 17.68 | 0.04 | 1.41 | 0.06 | 1.2 | |
| | 34.5 | 4.47 | 7.29 | 0.27 | 0.02 | 0.0 | FeS 0.3 |
| | 0.0 | | 0.0 | | | 1.2 | 0.3 |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------------|---------------------|---------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>156</u> | 7.5 90.5 0.0 | 2.01 11.71 | 0.01 19.19 0.0 | 0.10 0.91 | 0.01 0.08 | 2.0 0.0 2.0 | |
| <u>157</u> | 63.0 35.7 0.0 | 17.61 4.60 | 0.05 7.52 0.0 | 1.11 0.39 | 0.06 0.04 | 1.3 0.0 1.3 | |
| <u>158</u> | 90.5 7.8 0.0 | 25.39 1.02 | 0.08 1.64 0.0 | 1.19 0.05 | 0.06 0.01 | 1.6 0.0 1.6 | 0.0 FeS 0.1 0.0 |
| <u>159</u> | 67.6 28.7 0.0 | 18.72 3.79 | 0.05 6.10 0.0 | 1.55 0.24 | 0.09 0.02 | 3.5 0.0 3.5 | FeS 0.2 0.2 |
| <u>160</u> | 95.8 3.7 0.0 | 26.72 0.49 | 0.07 0.78 0.0 | 2.06 0.03 | 0.09 0.00 | 0.5 0.0 0.5 | |
| <u>161</u> | 90.8 4.0 0.0 | 25.39 0.53 | 0.08 0.84 0.0 | 1.74 0.03 | 0.09 0.00 | 5.2 0.0 5.2 | |
| <u>162</u> | 90.7 7.9 0.0 | 25.54 1.04 | 0.06 1.66 0.0 | 1.22 0.06 | 0.07 0.01 | 1.4 0.0 1.4 | |
| <u>163</u> | 70.4 27.6 0.0 | 19.09 3.59 | 0.06 5.80 0.0 | 2.46 0.28 | 0.08 0.02 | 2.0 0.0 2.0 | |
| <u>164</u> | 67.1 30.7 0.0 | 18.24 3.96 | 0.04 6.44 0.0 | 2.05 0.37 | 0.07 0.03 | 2.2 0.0 2.2 | |
| <u>165</u> | 29.4 68.9 0.0 | 8.06 8.93 | 0.03 14.59 0.0 | 0.85 0.80 | 0.04 0.06 | 1.7 0.0 1.7 | |
| <u>166</u> | 7.9 89.6 0.0 | 2.15 11.35 | 0.01 18.79 0.0 | 0.25 1.30 | 0.01 0.10 | 2.5 0.0 2.5 | |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|---|-------------------|-------|-------|------|------|------------------------------------|---------------------------|
| <u>167</u> | 53.9 | 14.43 | 0.05 | 1.85 | 0.08 | 0.8 | |
| | 45.3 | 5.78 | 8.25 | 0.47 | 0.04 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.8 | |
| <u>168</u> | 60.0 | 16.49 | 0.05 | 1.76 | 0.07 | 1.0 | |
| | 39.0 | 5.07 | 8.25 | 0.47 | 0.04 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.0 | |
| (silicates shown as 1.0 chlorite with no quartz! in C.S.I.R.O. table) | | | | | | | |
| <u>169</u> | 39.0 | 10.73 | 0.05 | 0.82 | 0.05 | 1.0 | |
| | 60.0 | 7.70 | 12.66 | 0.67 | 0.07 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.0 | |
| <u>170</u> | 25.3 | 6.95 | 0.03 | 0.49 | 0.04 | 1.0 | |
| | 74.6 | 9.59 | 15.53 | 0.85 | 0.07 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.0 | |
| <u>171</u> | 42.1 | 11.82 | 0.06 | 0.69 | 0.05 | 2.1 | |
| | 55.8 | 6.74 | 11.85 | 0.55 | 0.04 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.1 | |
| <u>172</u> | 74.3 | 20.74 | 0.05 | 1.35 | 0.09 | 2.9 | |
| | 22.8 | 3.00 | 4.84 | 0.17 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.9 | |
| <u>173</u> | 89.7 | 24.69 | 0.09 | 2.08 | 0.01 | 1.2 | |
| | 9.1 | 1.17 | 1.92 | 0.09 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.2 | |
| <u>174</u> | 37.4 | 10.30 | 0.06 | 0.77 | 0.04 | 0.6 | |
| | 62.0 | 7.97 | 12.89 | 0.73 | 0.06 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.6 | |
| <u>175</u> | 80.5 | 22.11 | 0.06 | 1.80 | 0.10 | 3.6 | |
| | 15.9 | 2.10 | 3.35 | 0.09 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.6 | |
| <u>176</u> | 86.6 | 23.64 | 0.09 | 1.96 | 0.10 | 0.5 | |
| | 12.9 | 1.71 | 2.71 | 0.09 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 0.5 | |
| <u>177</u> | 89.1 | 22.96 | 0.08 | 4.71 | 0.13 | 6.1 | |
| | 4.8 | 0.62 | 1.02 | 0.04 | 0.00 | 0.0 | |
| | 0.0 | | 0.0 | | | 6.1 | |

178.2-178.5 marker 5; talc schist

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|--|-------------------|-------|-------|------|------|------------------------------------|---------------------------|
| <u>179</u> no sample, extrapolate from 180 below | | | | | | | |
| <u>180</u> | 82.7 | 23.06 | 0.07 | 1.10 | 0.07 | 1.6 | |
| | 15.7 | 2.04 | 3.32 | 0.10 | 0.01 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.6 | |
| <u>181</u> | 49.9 | 13.82 | 0.05 | 0.50 | 0.02 | 1.3 | |
| | 48.8 | 6.30 | 10.23 | 0.40 | 0.04 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.3 | |
| <u>182</u> | 65.3 | 17.90 | 0.08 | 1.31 | 0.09 | 1.8 | |
| | 32.9 | 4.24 | 6.96 | 0.26 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.8 | |
| <u>183</u> | 57.2 | 15.30 | 0.05 | 1.54 | 0.15 | 1.6 | |
| | 41.2 | 5.27 | 8.71 | 0.37 | 0.05 | 0.0 | |
| | 0.0 | | 0.0 | | | 1.6 | |
| <u>184</u> | 55.0 | 14.03 | 0.04 | 1.42 | 0.09 | 2.3 | |
| | 42.7 | 5.46 | 8.89 | 0.44 | 0.06 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.3 | |
| <u>185</u> | 52.5 | 14.03 | 0.04 | 1.42 | 0.09 | 3.6 | |
| | 43.9 | 5.71 | 9.25 | 0.27 | 0.03 | 0.0 | |
| | 0.0 | | 0.0 | | | 3.6 | |
| <u>186</u> | 62.4 | 17.00 | 0.07 | 1.63 | 0.13 | 2.5 | |
| | 35.1 | 4.64 | 7.49 | 0.20 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.5 | |
| <u>187</u> | 58.5 | 16.04 | 0.05 | 1.50 | 0.10 | 3.3 | 0.0 |
| | 37.9 | 4.9 | 7.98 | 0.40 | 0.05 | 0.0 | FeS 0.3 |
| | 0.0 | | 0.0 | | | 3.3 | 0.3 |
| <u>188</u> | 78.8 | 20.92 | 0.06 | 2.48 | 0.12 | 2.1 | |
| | 19.1 | 2.46 | 4.07 | 0.15 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.1 | |
| (composition taken for dolomite listed as a second determination on 187) | | | | | | | |
| <u>189</u> | 77.0 | 21.29 | 0.06 | 1.32 | 0.07 | 2.0 | |
| | 21.0 | 2.71 | 4.41 | 0.22 | 0.02 | 0.0 | |
| | 0.0 | | 0.0 | | | 2.0 | |

189.9-238.5 marker 6; calcitic/dolomitic greenschist, amphibolite, talc schist. Marginal talcose zones.

| S(m) | Mag Dpl Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|---|-----------------------|----------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>239</u> | 58.6 37.8 0.0 | 15.97 4.97 | 0.06 7.97 0.0 | 1.32 0.26 | 0.07 0.05 | 3.6 0.0 3.6 | |
| <u>240</u> | 36.3 60.3 0.0 | 10.00 7.75 | 0.05 12.77 0.0 | 0.79 0.69 | 0.07 0.17 | 3.2 0.0 3.2 | 0.0 FeS 0.2 0.2 |
| <u>241,25-273,9</u> marker 7; calcitic/dolomitic greenschist and amphibolite with talcose margins and minor magnesite rock. | | | | | | | |
| <u>274</u> | 27.3 69.0 0.0 | 7.61 9.05 | 0.03 14.72 0.0 | 0.38 0.36 | 0.04 0.05 | 3.7 0.0 3.7 | |
| <u>275</u> | 62.2 36.1 0.0 | 17.26 4.69 | 0.05 7.66 0.0 | 1.06 0.26 | 0.09 0.05 | 1.7 0.0 1.7 | |
| <u>276</u> | 80.5 17.3 0.0 | 22.06 2.30 | 0.04 3.70 0.0 | 1.63 0.07 | 0.12 0.01 | 0.7 1.5 talc 2.2 | |
| (silicates shown as 0.7 talc and 1.5 chlorite with no quartz in C.S.I.R.O. table; deemed not probable.) | | | | | | | |
| <u>277</u> | 82.7 16.1 0.0 | 22.76 2.12 | 0.05 3.44 0.0 | 1.52 0.07 | 0.11 0.01 | 1.2 0.0 1.2 | |
| <u>278</u> | 87.45 11.25 0.0 | 24.25 1.485 | 0.055 2.40 0.0 | 1.45 0.05 | 0.11 0.01 | 1.3 0.0 1.3 | |
| (no sample, data taken from average of 277 and 279.) | | | | | | | |
| <u>279</u> | 92.2 6.4 0.0 | 25.74 0.85 | 0.06 1.36 0.0 | 1.38 0.03 | 0.11 0.01 | 1.4 0.0 1.4 | |
| <u>280</u> | 72.9 26.5 0.0 | 19.97 3.48 | 0.05 5.64 0.0 | 1.17 0.16 | 0.10 0.03 | 0.6 0.0 0.6 | |
| <u>281</u> | 74.2 24.5 0.0 | 20.68 3.23 | 0.07 5.21 0.0 | 0.95 0.12 | 0.09 0.03 | 1.3 0.0 1.3 | |

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| S(m) | Mg Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------------|---------------------|---------------|---------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>282</u> | 79.4 19.3 0.0 | 22.09 2.56 | 0.06 4.12 0.0 | 1.03 0.08 | 0.12 0.01 | 1.3 0.0 1.3 | |
| <u>283</u> | 83.1 14.4 0.0 | 23.09 1.90 | 0.06 3.08 0.0 | 1.03 0.04 | 0.12 0.01 | 2.5 0.0 2.5 | |
| <u>284</u> | 65.9 31.7 0.0 | 18.41 4.17 | 0.05 6.82 0.0 | 0.61 0.12 | 0.09 0.03 | 2.4 0.0 2.4 | |
| <u>285</u> | 71.8 26.4 0.0 | 20.28 3.46 | 0.05 5.65 0.0 | 0.50 0.11 | 0.06 0.03 | 1.8 0.0 1.8 | |
| <u>286</u> | 76.0 21.0 0.0 | 21.34 2.77 | 0.06 4.46 0.0 | 0.65 0.11 | 0.10 0.05 | 1.0 2.0 talc 3.0 | |
| <u>287</u> | 58.5 39.9 0.0 | 16.34 5.26 | 0.04 8.56 0.0 | 0.66 0.20 | 0.08 0.04 | 1.6 0.0 1.6 | |
| <u>288</u> | 81.0 14.0 0.0 | 22.32 1.83 | 0.06 3.00 0.0 | 1.34 0.07 | 0.12 0.02 | 0.0 5.0 talc 5.0 | |
| <u>289</u> | 77.5 14.7 0.0 | 21.74 1.92 | 0.07 3.13 0.0 | 0.74 0.08 | 0.09 0.02 | 0.0 7.8 talc 7.8 | |
| <u>290</u> | 81.7 16.7 0.0 | 22.84 2.16 | 0.07 3.54 0.0 | 0.72 0.08 | 0.08 0.03 | 1.6 0.0 1.6 | |
| <u>291</u> | 74.0 22.0 0.0 | 20.71 2.88 | 0.05 4.67 0.0 | 0.61 0.10 | 0.07 0.03 | 0.0 4.0 talc 4.0 | |
| <u>292</u> | 73.6 18.9 0.0 | 20.48 2.47 | 0.04 4.02 0.0 | 0.94 0.07 | 0.11 0.02 | 0.9 6.6 talc 7.5 | |

| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|---|---------------------|---------------|----------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>293</u> | 73.0 17.0 0.0 | 20.48 2.21 | 0.04 3.61 0.0 | 0.94 0.08 | 0.11 0.03 | 0.0 10.0 talc 10.0 | |
| <u>294</u> | 75.0 16.0 0.0 | 20.58 2.13 | 0.04 3.41 0.0 | 1.27 0.05 | 0.10 0.02 | 0.0 9.0 talc 9.0 | |
| <u>295</u> | 89.4 2.9 0.0 | 24.60 0.39 | 0.05 0.62 0.0 | 0.70 0.01 | 0.07 0.00 | 0.0 7.7 talc 7.7 | |
| <u>296</u> | 77.5 21.0 0.0 | 21.98 2.81 | 0.07 4.47 0.0 | 0.74 0.11 | 0.09 0.03 | 0.5 1.0 talc 1.5 | |
| <u>297</u> | 54.0 41.0 0.0 | 15.08 5.47 | 0.05 8.71 0.0 | 0.88 0.26 | 0.11 0.06 | 1.0 4.0 talc 5.0 | |
| <u>298.25-307.5</u> marker 9; dolomitic greenschist with talcose margins. | | | | | | | |
| <u>308</u> | 15.6 81.1 0.0 | 4.33 10.59 | 0.01 17.10 0.0 | 0.35 0.82 | 0.05 0.21 | 3.3 0.0 3.3 | |
| <u>309</u> | 61.7 33.0 0.0 | 17.21 4.40 | 0.06 6.99 0.0 | 1.26 0.21 | 0.16 0.06 | 5.3 0.0 5.3 | |
| <u>310</u> | 38.7 58.3 0.0 | 10.88 7.57 | 0.05 12.26 0.0 | 0.68 0.64 | 0.08 0.12 | 2.6 0.4 talc 3.0 | |
| <u>310.7-313.0</u> marker 10; talc schist and dolomitic amphibolite. | | | | | | | |
| <u>313</u> | 82.7 15.9 0.0 | 23.59 2.12 | 0.07 3.33 0.0 | 0.74 0.10 | 0.08 0.02 | 1.4 0.0 1.4 | |
| <u>314</u> | 88.3 10.2 0.0 | 24.94 1.36 | 0.05 2.16 0.0 | 1.29 0.03 | 0.12 0.01 | 1.5 0.0 1.5 | |

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| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------------|---------------------|---------------|---------------------|--------------|--------------|------------------------------------|---------------------------|
| <u>315</u> | 91.2 7.6 0.0 | 26.14 1.02 | 0.06 1.61 0.0 | 0.84 0.02 | 0.10 0.01 | 1.2 0.0 1.2 | |
| <u>316</u> | 90.9 8.2 0.0 | 26.07 1.09 | 0.06 1.73 0.0 | 0.72 0.05 | 0.09 0.02 | 0.9 0.0 0.9 | |
| <u>317</u> | 83.7 15.5 0.0 | 23.45 2.08 | 0.06 3.26 0.0 | 1.55 0.06 | 0.13 0.02 | 0.8 0.0 0.8 | |
| <u>318</u> | 72.0 27.2 0.0 | 20.60 3.67 | 0.05 5.71 0.0 | 0.60 0.09 | 0.07 0.03 | 0.8 0.0 0.8 | |
| <u>319</u> | 80.0 18.8 0.0 | 22.74 2.53 | 0.05 3.97 0.0 | 0.81 0.08 | 0.10 0.02 | 1.2 0.0 1.2 | |
| <u>320</u> | 65.1 34.0 0.0 | 18.43 4.56 | 0.06 7.21 0.0 | 0.83 0.16 | 0.10 0.06 | 0.9 0.0 0.9 | |

From 321 on there are no determinations of magnesite/dolomite composition: use average of the compositions for the 313-320 interval for 321-325 inclusive.

| | | | | | | | |
|------------|---------------------|--|--|--|--|-------------------|--|
| <u>321</u> | 79.7 18.5 0.0 | | | | | 1.8 0.0 1.8 | |
| <u>322</u> | 88.8 10.2 0.0 | | | | | 1.0 0.0 1.0 | |
| <u>323</u> | 91.5 5.2 0.0 | | | | | 3.3 0.0 3.3 | |
| <u>324</u> | 78.3 19.6 0.0 | | | | | 2.1 0.0 2.1 | |

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A.8.2.16.

92 140

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| S(m) | Mag Dol Cal | Mg | Ca | Fe | Mn | Quartz talc/chlor/fels total | Fe oxides FeS total |
|------------|---------------------|----|----|----|----|------------------------------------|---------------------------|
| <u>325</u> | 57.1 39.8 0.0 | | | | | 3.1 0.0 3.1 | |

326,2-373 (end hole.) Strata W of deposit. Magnetite bearing greenschist/amphibolite with minor unusual carbonate 361.8-362.9 (sample below).

| | | | | | | | |
|------------|------|--|--|--|--|----------------|-----------|
| <u>362</u> | 0.0 | | | | | 11.4 | Feox 35.2 |
| | 24.8 | | | | | 16.2chl/4.8fel | FeS 7.6 |
| | 0.0 | | | | | 27.6 | 42.8 |

TABLE 8.3 Bore No 1, Main Creek analysis results from Tas. Dept. Mines Laboratory, Launceston.

| Sample Interval from-to | int. (ft) | CaO % | MgO % | Al ₂ O ₃ % | Fe % | SiO ₂ % |
|----------------------------|-----------|------------|----------|-------------------------------------|---------|-----------------------|
| 10' - 20' | 10 | 29 | 21 | trace | 0.9 | 2.3 |
| 20' - 30' | 10 | 26 | 23 | tr | 0.7 | 1.6 |
| 30' - 40' | 10 | 28 | 22 | tr | 0.9 | 1.4 |
| 40' - 50' | 10 | 27 | 22 | tr | 1.3 | 2.7 |
| 50' - 60' | 10 | 25 | 24 | tr | 2.1 | 1.3 |
| 60' - 70' | 10 | 8 | 33 | tr | 2.4 | 8.9 |
| 70' - 80' | 10 | 22 | 27 | nil | 1.4 | 1.8 |
| 80' - 90' | 10 | 25 | 24 | nil | 1.4 | 3.2 |
| 90' - 100' | 10 | 25 | 23 | nil | 1.1 | 3.8 |
| 100' - 110' | 10 | 35 | 29 | nil | 2.2 | 1.0 |
| 110' - 120' | 10* | 13 | 27 | 4.0 | 2.5 | 9.8 |
| * incl. 4' non-carbs. | | | | | | |
| 120' - 130' | 10* | 12 | 23 | 5.6 | 4.1 | 18.7 |
| * incl. 6' non-carbs. | | | | | | |
| 130' - 134'6 | 4.5 | 15 | 33 | nil | 2.5 | 2.3 |
| 134'6-186' | 51.5 | no samples | | | | |
| 186' - 196' | 10 | 4 | 36 | tr | 2.3 | 16.7 |
| 196' - 210' | 14 | 4 | 40 | tr | 1.9 | 5.3 |
| 210' - 221' | 11 | 3 | 44 | nil | 2.7 | 0.5 |
| 221' - 230' | 9 | 4 | 43 | tr | 2.5 | 0.3 |
| 230' - 258' | 28 | no samples | | | | |
| 258' - 270' | 12 | 3 | 41 | nil | 1.9 | 5.0 |
| 270' - 282' | 12 | 8 | 39 | tr | 2.1 | 1.5 |

| | | | | | | | |
|-----------------------|--------|------|----|----|-----|-----|------|
| 282' | -292' | 10 | 9 | 38 | nil | 2.2 | 2.6 |
| 292' | -304'6 | 12.5 | 2 | 42 | tr | 1.8 | 7.9 |
| 304'6-314' | | 9.5 | 3 | 40 | nil | 1.9 | 7.4 |
| 314' | -323' | 9 | 4 | 40 | nil | 1.6 | 5.6 |
| 323' | -333' | 10 | 4 | 42 | nil | 1.8 | 2.2 |
| 333' | -343' | 10 | 3 | 41 | nil | 2.1 | 8.3 |
| 343' | -353' | 10 | 3 | 42 | nil | 2.0 | 3.8 |
| 353' | -363' | 10 | 3 | 42 | nil | 2.0 | 3.8 |
| 363' | -373' | 10 | 3 | 40 | nil | 1.8 | 7.0 |
| 373' | -383' | 10 | 2 | 42 | nil | 1.7 | 2.7 |
| 383' | -393'6 | 10.5 | 5 | 40 | nil | 1.7 | 4.2 |
| 393'6-399'6 | | 6 | 7 | 36 | 0.2 | 2.1 | 4.5 |
| 399'6-410' no samples | | | | | | | |
| 410' | -420' | 10 | 7 | 40 | tr | 2.0 | 0.7 |
| 420' | -430' | 10 | 20 | 24 | nil | 0.8 | 13.6 |
| 430' | -440' | 10 | 25 | 18 | nil | 0.6 | 15.5 |
| 440' | -450' | 10 | 23 | 24 | nil | 0.6 | 6.5 |
| 450' | -460' | 10 | 23 | 21 | nil | 0.6 | 14.7 |
| 460' | -470' | 10 | 19 | 25 | nil | 0.6 | 13.6 |
| 470' | -480' | 10 | 16 | 30 | nil | 0.8 | 7.7 |
| 480' | -490' | 10 | 7 | 40 | nil | 1.1 | 2.0 |
| 490' | -500' | 10 | 5 | 41 | nil | 1.1 | 3.9 |
| 500' | -511' | 11 | 4 | 43 | nil | 1.1 | 1.2 |
| 511' | -521' | 10 | 3 | 44 | nil | 1.2 | 0.2 |
| 521' | -531' | 10 | 5 | 43 | nil | 1.1 | 0.1 |
| 531' | -541' | 10 | 3 | 43 | nil | 1.7 | 1.9 |

| | | | | | | |
|-----------------------|----------------|----|----|-----|-----|-----|
| 541' -551'* | 10 | 5 | 39 | 1.4 | 2.1 | 4.2 |
| * incl. 1' non-carbs. | | | | | | |
| 551' -561' | 10 | 4 | 43 | nil | 1.5 | 1.0 |
| 561' -571' | 10 | 3 | 44 | nil | 1.4 | 1.0 |
| 571' -581' | 10 | 3 | 44 | nil | 1.4 | 0.5 |
| 581' -591' | 10 | 3 | 44 | nil | 1.4 | 0.8 |
| 591' -601' | 10 | 10 | 37 | nil | 1.2 | 3.0 |
| 601' -611' | 10 | 12 | 37 | nil | 1.2 | 1.0 |
| 611' -623' | 12 | 2 | 45 | nil | 1.4 | 0.8 |
| 623' -634' | 11 | 2 | 45 | nil | 1.3 | 1.3 |
| 634' -646' | 12 | 4 | 41 | nil | 1.3 | 4.3 |
| 646' -651' | 5 | 10 | 34 | 0.3 | 1.3 | 7.8 |
| 651' -674' | 23 no samples | | | | | |
| 674' -685'6 | 11.5 | 6 | 39 | 0.3 | 1.3 | 5.1 |
| 685'6-688'6 | 3 no samples | | | | | |
| 688'6-699'6 | 11 | 4 | 41 | nil | 1.0 | 4.6 |
| 699'6-709'6 | 10 | 4 | 43 | nil | 1.2 | 2.5 |
| 709'6-719'6 | 10 | 9 | 35 | nil | 1.0 | 9.6 |
| 719'6-729'6 | 10 | 2 | 44 | nil | 1.0 | 0.1 |
| 729'6-739'6 | 10 | 3 | 44 | nil | 1.0 | 0.2 |
| 739'6-749'6 | 10 | 3 | 44 | nil | 1.0 | 0.8 |
| 749'6-758' | 8.5 | 4 | 43 | nil | 1.2 | 0.6 |
| 758' -766'9 | 8.75 | 4 | 43 | nil | 1.4 | 1.6 |
| 766'9-769'6 | 2.75 no sample | | | | | |
| 769'6-780' | 10.5 | 4 | 40 | 0.2 | 1.9 | 5.1 |
| 780' -790' | 10 | 6 | 42 | nil | 0.8 | 2.9 |

| | | | | | | | | |
|------|-------|----|-----------|----|-------|-----|-----|--|
| 790' | -800' | 10 | 3 | 43 | nil | 0.7 | 2.2 | |
| 800' | -810' | 10 | 3 | 44 | nil | 0.7 | 2.9 | |
| 810' | -820' | 10 | 5 | 42 | nil | 0.5 | 2.6 | |
| 820' | -830' | 10 | 5 | 44 | nil | 0.5 | 1.3 | |
| 830' | -840' | 10 | 5 | 42 | nil | 0.6 | 1.7 | |
| 840' | -850' | 10 | 4 | 44 | nil | 0.7 | 1.4 | |
| 850' | -860' | 10 | 2 | 46 | nil | 0.9 | 1.5 | |
| 860' | -870' | 10 | 4 | 43 | nil | 0.8 | 1.2 | |
| 870' | -880' | 10 | 4 | 45 | trace | 0.8 | 0.4 | |
| 880' | -890' | 10 | 5 | 43 | trace | 0.8 | 0.4 | |
| 890' | -900' | 10 | 4 | 44 | trace | 0.8 | 0.1 | |
| 900' | -910' | 10 | 4 | 46 | trace | 0.8 | 0.3 | |
| 910' | -920' | 10 | 4 | 45 | trace | 0.7 | 0.1 | |
| 920' | -930' | 10 | 4 | 44 | nil | 0.7 | 0.2 | |
| 930' | -936' | 6 | 4 | 44 | trace | 0.9 | 1.9 | |
| 936' | -937' | 1 | no sample | | | | | |
| 937' | -947' | 10 | 9 | 40 | nil | 0.6 | 1.6 | |
| 947' | -957' | 10 | 9 | 40 | nil | 0.6 | 0.6 | |
| 957' | -967' | 10 | 5 | 43 | trace | 0.6 | 0.5 | |
| 967' | -977' | 10 | 3 | 43 | nil | 0.7 | 3.8 | |
| 977' | -987' | 10 | 3 | 43 | nil | 0.9 | 3.6 | |
| 987' | -999' | 12 | 3 | 44 | nil | 0.7 | 1.6 | |

SOURCE: letter from H.K. Wellington, Launceston Offices, Tas. Dept. of Mines, 15-6-1971 for CaO, MgO, Al₂O₃, SiO₂; and 11-2-1976 for Fe.

NOTE: Al₂O₃ values greater than trace are linked to the incorporation of non carbonate beds in the sample.

TABLE 8.4 Bore No 2, Main Creek; assay results from Mines Department Laboratory, Launceston.

| Sample Interval from-to int.(ft) | CaO % | MgO % | Al ₂ O ₃ % | Fe % | Fe ₂ O ₃ % | SiO ₂ % | |
|-------------------------------------|----------|-----------|-------------------------------------|---------|-------------------------------------|-----------------------|-----|
| 26' - 32' | 6 | 10.2 | 34.6 | BLD | 1.0 | 1.4 | 3.4 |
| 32' - 40' | 8 | 28.2 | 21.0 | BLD | 1.4 | 2.0 | 4.1 |
| 40' - 48' | 8 | 26.0 | 22.3 | BLD | 2.1 | 3.0 | 2.2 |
| 48' - 61'3 | 13.25 | no sample | | | | | |
| 61'3- 69' | 7.75 | 2.0 | 39.0 | 0.09 | 3.2 | 4.6 | 8.9 |
| 69' - 78' | 9 | 3.1 | 42.9 | BLD | 2.5 | 3.5 | 0.8 |
| 78' - 86' | 8 | 5.2 | 40.2 | BLD | 1.8 | 2.6 | 2.5 |
| 86' - 94' | 8 | 2.9 | 43.2 | BLD | 1.9 | 2.7 | 1.3 |
| 94' -102'6 | 8.5 | 1.6 | 43.7 | BLD | 4.3 | 6.2 | 0.4 |
| 102'6-111' | 8.5 | 2.0 | 44.1 | BLD | 2.2 | 3.2 | 0.6 |
| 111' -119' | 8 | 12.4 | 34.6 | BLD | 1.8 | 2.6 | 0.9 |
| 119' -127' | 8 | 7.2 | 39.4 | BLD | 2.0 | 2.9 | 1.3 |
| 127' -136'6 | 9.5 | 1.2 | 44.8 | BLD | 2.3 | 3.3 | 1.0 |
| 136'6-145' | 8.5 | 1.5 | 44.6 | BLD | 2.2 | 3.2 | 0.9 |
| 145' -153' | 8 | 1.7 | 42.1 | BLD | 2.2 | 3.2 | 5.7 |
| 153' -161' | 8 | 2.6 | 42.9 | BLD | 2.0 | 2.9 | 0.3 |
| 161' -169' | 8 | 1.8 | 42.9 | BLD | 2.1 | 3.0 | 3.2 |
| 169' -177' | 8 | 1.7 | 43.4 | BLD | 2.2 | 3.2 | 2.7 |
| 177' -185' | 8 | 1.8 | 44.5 | BLD | 2.0 | 2.9 | 1.0 |
| 185' -193' | 8 | 1.2 | 44.8 | BLD | 2.0 | 2.9 | 0.4 |
| 193' -201' | 8 | 1.5 | 44.9 | BLD | 2.0 | 2.9 | 0.5 |

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| from-to | int(ft) | CaO % | MgO % | Al2O3 % | Fe % | Fe2O3 % | acid insols. % |
|---|---------|------------|----------|------------|---------|------------|-------------------|
| 201' -209' | 8 | 1.9 | 44.1 | BLD | 2.2 | 3.2 | 0.94 |
| 209' -217' | 8 | 1.8 | 44.0 | BLD | 2.5 | 3.5 | 0.42 |
| 217' -225' | 8 | 1.6 | 43.6 | BLD | 2.8 | 4.0 | 0.36 |
| 225' -233' | 8 | 1.7 | 43.8 | BLD | 2.7 | 3.8 | 0.42 |
| 233' -240' | 7 | 1.3 | 44.1 | BLD | 2.5 | 3.6 | 0.54 |
| 240' -248' | 8 | 1.9 | 43.7 | BLD | 2.5 | 3.5 | 0.56 |
| 248' -256' | 8 | 1.6 | 42.3 | BLD | 2.1 | 3.0 | 5.4 |
| 256' -264' | 8 | 1.3 | 44.1 | BLD | 2.1 | 3.0 | 1.2 |
| 264' -272' | 8 | 2.5 | 35.4 | BLD | 2.1 | 3.0 | 17.3 |
| 272' -280' | 8 | 12.3 | 28.3 | BLD | 0.91 | 1.3 | 17.4 |
| 280' -288' | 8 | 4.5 | 33.3 | BLD | 1.4 | 2.0 | 19.3 |
| 288' -300' | 12 | 18.8 | 27.1 | BLD | 0.37 | 0.53 | 9.4 |
| 300' -310' | 10 | 10.4 | 34.8 | BLD | 0.32 | 0.46 | 8.9 |
| 310' -320' | 10 | 6.6 | 37.8 | BLD | 0.37 | 0.53 | 9.0 |
| 320' -330' | 10 | 10.4 | 35.9 | BLD | 0.37 | 0.53 | 6.2 |
| 330' -340' | 10 | 6.6 | 38.1 | BLD | 0.43 | 0.61 | 9.1 |
| 340' -350' | 10 | 16.0 | 27.3 | BLD | 0.48 | 0.69 | 14.0 |
| 350' -360' | 10 | 17.4 | 26.1 | BLD | 1.1 | 1.5 | 12.4 |
| 360' -370' | 10* | 20.8 | 21.2 | 0.76 | 0.84 | 1.2 | 16.3 |
| * The interval includes 6' of non carbonates most of which must have been excluded from the sample. | | | | | | | |
| 370' -380' | 10 | 10.4 | 32.5 | BLD | 0.91 | 1.3 | 11.3 |
| 380' -387'6 | 7.5 | 15.0 | 27.0 | BLD | 0.91 | 1.3 | 15.2 |
| 387'6-415'3 | 27.75 | no samples | | | | | |
| 415'3-425' | 9.75 | 5.0 | 42.5 | BLD | 2.1 | 3.0 | 0.40 |

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| | | | | | | | |
|-------------|-------|------------|------|------|------|-----|------|
| 425' -436' | 11 | 2.5 | 44.2 | BLD | 2.1 | 3.0 | 0.40 |
| 436' -447' | 11 | 3.3 | 43.4 | BLD | 2.1 | 3.0 | 0.30 |
| 447' -458' | 11 | 3.1 | 43.9 | BLD | 2.0 | 2.9 | 0.30 |
| 458' -468' | 10 | 2.2 | 44.0 | 0.05 | 2.0 | 2.9 | 1.8 |
| 468' -469' | 1 | no sample | | | | | |
| 469' -476'9 | 7.75 | 2.2 | 43.9 | BLD | 2.1 | 3.0 | 1.6 |
| 476'9-477'3 | 0.5 | no sample | | | | | |
| 477'3-486'3 | 9 | 3.8 | 41.7 | BLD | 2.1 | 3.0 | 3.0 |
| 486'3-501' | 14.75 | no samples | | | | | |
| 501' -511' | 10 | 8.0 | 31.9 | BLD | 1.7 | 2.4 | 15.7 |
| 511' -523'6 | 12.5 | 3.3 | 37.8 | BLD | 1.7 | 2.4 | 11.8 |
| 523'6-528' | 4.5 | no sample | | | | | |
| 528' -540' | 12 | 2.2 | 37.5 | BLD | 1.8 | 2.6 | 13.8 |
| 540' -549'3 | 9.25 | 3.9 | 35.6 | BLD | 1.4 | 2.0 | 16.6 |
| 549'3-550'9 | 1.5 | no sample | | | | | |
| 550'9-563' | 12.25 | 3.3 | 41.3 | BLD | 1.3 | 1.8 | 5.8 |
| 563' -575' | 12 | 2.2 | 37.3 | BLD | 0.91 | 1.3 | 15.7 |
| 575' -587' | 12 | 3.9 | 39.9 | BLD | 0.77 | 1.1 | 8.1 |
| 587' -599' | 12 | 10.0 | 35.8 | BLD | 0.91 | 1.3 | 6.0 |
| 599' -609' | 10 | 14.5 | 30.2 | BLD | 0.91 | 1.3 | 10.1 |
| 609' -610'9 | 1.75 | no sample | | | | | |
| 610'9-621' | 10.25 | 7.5 | 38.2 | BLD | 1.1 | 1.5 | 4.7 |
| 621' -631' | 10 | 11.4 | 35.6 | BLD | 0.91 | 1.3 | 4.2 |
| 631' -641' | 10 | 2.0 | 41.6 | BLD | 0.91 | 1.3 | 8.5 |
| 641' -651' | 10 | 1.8 | 39.8 | BLD | 0.77 | 1.1 | 12.5 |

| | | 172 | | | 32 | | | |
|-------|--------|-------|------------|------|------|------|------|------|
| 651' | -662' | 11 | 3.6 | 41.2 | BLD | 0.84 | 1.2 | 6.5 |
| 662' | -671' | 9 | 5.2 | 36.6 | 0.91 | 1.3 | 1.8 | 12.1 |
| 671' | -681' | 10 | 4.9 | 42.2 | BLD | 1.1 | 1.5 | 1.5 |
| 681' | -691' | 10 | 2.5 | 44.1 | BLD | 0.7 | 1.0 | 2.5 |
| 691' | -701' | 10 | 2.8 | 44.4 | BLD | 0.64 | 0.92 | 1.0 |
| 701' | -711' | 10 | 8.4 | 39.8 | BLD | 0.64 | 0.92 | 1.1 |
| 711' | -721' | 10 | 4.5 | 42.8 | BLD | 0.56 | 0.80 | 0.6 |
| 721' | -731' | 10 | 8.4 | 39.0 | BLD | 0.7 | 1.0 | 2.3 |
| 731' | -741' | 10 | 6.1 | 41.6 | BLD | 0.7 | 1.0 | 0.6 |
| 741' | -751' | 10 | 10.6 | 37.5 | BLD | 1.1 | 1.5 | 1.5 |
| 751' | -761' | 10 | 7.0 | 41.5 | BLD | 0.91 | 1.3 | 0.4 |
| 761' | -771' | 10 | 2.5 | 45.9 | BLD | 0.77 | 1.1 | 0.2 |
| 771' | -782' | 11 | 2.5 | 45.8 | BLD | 0.84 | 1.2 | 0.2 |
| 782' | -787'6 | 5.5 | no sample | | | | | |
| 787'6 | -798' | 10.5 | 2.8 | 45.3 | BLD | 0.91 | 1.3 | 0.6 |
| 798' | -809' | 11 | 3.3 | 44.4 | BLD | 0.98 | 1.4 | 1.0 |
| 809' | -820' | 11 | 2.8 | 45.3 | BLD | 0.91 | 1.3 | 0.4 |
| 820' | -831' | 11 | 2.2 | 45.6 | BLD | 0.7 | 1.0 | 0.5 |
| 831' | -843' | 12 | 3.6 | 43.1 | BLD | 0.77 | 1.1 | 2.7 |
| 843' | -861'3 | 18.25 | no samples | | | | | |
| 861'3 | -864'9 | 3.5 | 16.8 | 29.9 | 0.10 | 2.2 | 3.1 | 2.7 |
| 864'9 | -877'6 | 12.75 | no samples | | | | | |
| 877'6 | -888' | 10.5 | 4.0 | 40.6 | BLD | 0.84 | 1.2 | 3.8 |
| 888' | -896' | 8 | 6.8 | 38.7 | BLD | 0.91 | 1.3 | 3.2 |
| 896' | -904'9 | 8.75 | no sample | | | | | |
| 904'9 | -915' | 10.25 | 3.4 | 41.3 | BLD | 0.7 | 1.0 | 4.4 |

| | | | | | | | |
|------------|----|-----|------|-----|------|------|------|
| 915' -925' | 10 | 2.2 | 43.6 | BLD | 0.6 | 0.86 | 2.2 |
| 925' -935' | 10 | 2.0 | 44.0 | 0.2 | 0.6 | 0.86 | 0.9 |
| 935' -945' | 10 | 2.0 | 43.2 | BLD | 0.64 | 0.92 | 3.1 |
| 945' -955' | 10 | 2.4 | 41.9 | BLD | 0.77 | 1.1 | 5.0 |
| 955' -964' | 9 | 2.2 | 44.9 | BLD | 0.52 | 0.74 | 0.3 |
| 964' -974' | 10 | 2.0 | 42.4 | BLD | 0.46 | 0.66 | 4.5 |
| 974' -978' | 4 | 4.8 | 35.6 | 0.2 | 0.6 | 0.86 | 13.3 |

source: Mines Dept. Laboratory, Launceston. Letters 19-5-1972 and 5-2-1972.

Note: Detection limit for Al₂O₃ is 0.05% thus BLD=<0.05.

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TABLE 8.5 M.C.28 DDH. MAGNESITE/DOLOMITE/GANGUE PROPORTIONS AND COMPOSITIONS FOR CORRELATABLE STRATIGRAPHIC INTERVALS.

bed 1/2a -53-103.0; 50m-(3.5+3.7+0.5)=42.3m carbonate rock

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chlrfels | Feox/FeS |
|-----------|----------|---------|--------|-------|----------|------------|
| 32.53% | 50.22% | 0.25% | 10.61% | 5.22% | 0.0/0.0% | 0.02/0.01% |

element proportions in whole rock

| | | |
|----|------|-------|
| Mg | 9.19 | 6.56 |
| Ca | 0.03 | 10.68 |
| Fe | 0.88 | 0.26 |
| Mn | 0.06 | 0.05 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 28.25 | 13.07 |
| Ca | 0.09 | 21.27 |
| Fe | 2.71 | 0.52 |
| Mn | 0.18 | 0.11 |

expressed as oxides

| | | |
|-----|-------|-------|
| MgO | 46.84 | 21.67 |
| CaO | 0.13 | 29.76 |
| FeO | 3.49 | 0.67 |
| MnO | 0.23 | 0.14 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 3.88 | 0.74 |
|--------------------------------|------|------|

ratio dol to mag 1:0.65

ratio Fe(dol) to Fe(mag) 1:5.21

bed 2a/2 111.9-120.3; 8.4m-0.5m=7.9m

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chlrfels | Feox/FeS |
|-----------|----------|---------|--------|-------|----------|----------|
| 44.08% | 48.11% | 1.25% | 4.96% | 1.25% | 0.0/0.0% | 0.0/0.0% |

element proportions in whole rock

| | | |
|----|-------|-------|
| Mg | 11.83 | 6.26 |
| Ca | 0.04 | 10.09 |
| Fe | 1.78 | 0.50 |
| Mn | 0.07 | 0.06 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 26.84 | 13.01 |
| Ca | 0.09 | 20.97 |
| Fe | 4.04 | 1.04 |
| Mn | 0.16 | 0.12 |

expressed as oxides

| | | |
|-----|-------|-------|
| MgO | 44.50 | 21.57 |
| CaO | 0.13 | 29.35 |
| FeO | 5.20 | 1.34 |
| MnO | 0.21 | 0.16 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 5.77 | 1.49 |
|--------------------------------|------|------|

ratio dol to mag 1:0.91

ratio Fe(dol):Fe(mag)- 1:3.88

bed 2/3 133.3-168.8, 35.5m-2.4m=33.1m magnesite rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chl/fels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|------------|
| 74.5% | 21.8% | 0.07% | 3.41% | 0.0% | 0.0/0.0% | 0.03/0.06% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 20.26 | 2.86 |
| Ca | 0.06 | 4.66 |
| Fe | 2.47 | 0.20 |
| Mn | 0.11 | 0.02 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.19 | 13.12 |
| Ca | 0.08 | 21.35 |
| Fe | 3.32 | 0.90 |
| Mn | 0.15 | 0.08 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.10 | 21.75 |
| CaO | 0.11 | 29.87 |
| FeO | 4.27 | 1.16 |
| MnO | 0.19 | 0.10 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 4.75 | 1.29 |
|--------------------------------|------|------|

ratio dol to mag 1:3.42

ratio Fe (dol) to Fe (mag)1:3.42

TABLE 8.6 M.C.27 DDH. MAGNESITE/DOLomite/GANGUE PROPORTIONS AND COMPOSITIONS FOR CORRELATABLE STRATIGRAPHIC INTERVALS.

bed 0/1 33.15-37.85m; 4.7m carbonate rock

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chlrfels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|-----------|
| 92.80% | 6.24% | 0.0% | 0.90% | 0.0% | 0.0/0.2% | 0.06/0.0% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 25.81 | 0.82 |
| Ca | 0.08 | 1.34 |
| Fe | 1.76 | 0.05 |
| Mn | 0.07 | 0.00 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.82 | 13.14 |
| Ca | 0.09 | 21.47 |
| Fe | 1.90 | 0.80 |
| Mn | 0.08 | 0.03 |

expressed as oxides

| | | |
|-----|-------|-------|
| MgO | 46.11 | 21.79 |
| CaO | 0.12 | 30.04 |
| FeO | 2.44 | 0.95 |
| MnO | 0.10 | 0.04 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 2.71 | 1.15 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:14.87

ratio Fe(dol) to Fe(mag)- 1:2.57

bed 1/2a 40.0-80.18m; 40.18m-(1.85+3.15+1.85)m=33.33m carbonate rock

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chlrfels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|-----------|
| 87.85% | 10.26% | 0.01% | 1.82% | 0.0% | 0.0/0.0% | 0.0/0.04% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 24.22 | 1.33 |
| Ca | 0.08 | 2.23 |
| Fe | 2.11 | 0.09 |
| Mn | 0.08 | 0.01 |

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corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.57 | 12.98 |
| Ca | 0.09 | 21.72 |
| Fe | 2.40 | 0.85 |
| Mn | 0.09 | 0.07 |

expressed as oxides

| | | |
|-----|-------|-------|
| MgO | 45.71 | 21.53 |
| CaO | 0.13 | 30.39 |
| FeO | 3.09 | 1.09 |
| MnO | 0.12 | 0.09 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 3.44 | 1.21 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:8.56

ratio Fe(dol):Fe(mag)- 1:2.82

bed 2a/2 88.2-88.8; 0.6m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chl/r/fels | Feox/FeS |
|-----------|----------|---------|--------|------|------------|----------|
| 53.0% | 35.0% | 0.0% | 1.00% | 0.0% | 10.0/0.0% | 0.0/1.0% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 13.28 | 4.39 |
| Ca | 0.08 | 7.32 |
| Fe | 3.29 | 0.49 |
| Mn | 0.11 | 0.02 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 25.06 | 12.55 |
| Ca | 0.16 | 20.90 |
| Fe | 6.20 | 1.40 |
| Mn | 0.02 | 0.06 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 41.55 | 20.81 |
| CaO | 0.22 | 29.24 |
| FeO | 7.98 | 1.80 |
| MnO | 0.26 | 0.08 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 8.87 | 2.00 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:1.51

ratio Fe(dol) to Fe(mag)- 1:4.43

bed 2/3 97.8-104.3m; 6.5-(1.95+0.7)m= 3.8m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chl/fels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|-----------|
| 76.8% | 20.27% | 0.0% | 2.87% | 0.0% | 0.0/0.0% | 0.0/0.07% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 20.90 | 2.62 |
| Ca | 0.07 | 4.26 |
| Fe | 2.64 | 0.31 |
| Mn | 0.11 | 0.03 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.21 | 12.93 |
| Ca | 0.10 | 21.00 |
| Fe | 3.44 | 1.51 |
| Mn | 0.13 | 0.13 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.11 | 21.43 |
| CaO | 0.13 | 29.38 |
| FeO | 4.43 | 1.95 |
| MnO | 0.18 | 0.17 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 4.92 | 2.16 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:3.79

ratio Fe(dol) to Fe(mag)- 1:2.28

bed 3/4 111.2-120.1m; 8.9m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chl/fels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|-----------|
| 79.78% | 18.25% | 0.0% | 1.94% | 0.0% | 0.0/0.0% | 0.0/0.04% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 22.07 | 2.25 |
| Ca | 0.07 | 3.88 |
| Fe | 1.77 | 0.15 |
| Mn | 0.07 | 0.01 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.67 | 12.33 |
| Ca | 0.08 | 21.24 |
| Fe | 2.22 | 0.84 |
| Mn | 0.09 | 0.06 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.87 | 20.44 |
| CaO | 0.12 | 29.72 |
| FeO | 2.86 | 1.08 |
| MnO | 0.12 | 0.08 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 3.17 | 1.20 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:4.37

ratio Fe(dol) to Fe(mag)- 1:2.64

bed 4/4y 129.0-134.6m; 5.6m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chir/fels | Feox/FeS |
|-----------|----------|---------|--------|------|-----------|-----------|
| 25.76% | 0.58% | 0.0% | 0.75% | 0.0% | 0.0/0.0% | 0.0/0.05% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 25.76 | 0.58 |
| Ca | 0.07 | 0.96 |
| Fe | 2.60 | 0.05 |
| Mn | 0.11 | 0.00 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.20 | 13.01 |
| Ca | 0.07 | 21.30 |
| Fe | 2.75 | 1.00 |
| Mn | 0.11 | 0.07 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.09 | 21.57 |
| CaO | 0.10 | 29.80 |
| FeO | 3.54 | 1.29 |
| MnO | 0.15 | 0.10 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 3.93 | 1.44 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:21.13

ratio Fe(dol) to Fe(mag)- 1:2.75

bed 4y/5 136.55-178.2m; 41.65m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chir/fels | Feox/FeS |
|-----------|----------|---------|--------|------|-----------|-------------|
| 58.87% | 35.64% | 0.0% | 1.70% | 0.0% | 0.0/0.0% | 0.002/0.06% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 16.17 | 5.03 |
| Ca | 0.05 | 8.34 |
| Fe | 1.38 | 0.45 |
| Mn | 0.06 | 0.04 |

180

40

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.47 | 14.11 |
| Ca | 0.08 | 23.40 |
| Fe | 2.35 | 1.26 |
| Mn | 0.10 | 0.11 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.54 | 23.39 |
| CaO | 0.12 | 32.73 |
| FeO | 3.02 | 1.62 |
| MnO | 0.13 | 0.14 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 3.36 | 1.80 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:1.65

ratio Fe(dol) to Fe(mag)- 1:1.87

bed 5/6 178.5-189.9m; 11.4m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chlrfels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|-----------|
| 65.64% | 32.18% | 0.0% | 2.15% | 0.0% | 0.0/0.0% | 0.0/0.03% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 17.91 | 4.16 |
| Ca | 0.05 | 6.78 |
| Fe | 1.41 | 0.26 |
| Mn | 0.09 | 0.03 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.29 | 12.93 |
| Ca | 0.08 | 21.08 |
| Fe | 2.14 | 0.82 |
| Mn | 0.14 | 0.09 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.25 | 21.44 |
| CaO | 0.11 | 29.50 |
| FeO | 2.76 | 1.06 |
| MnO | 0.18 | 0.12 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 3.07 | 1.18 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:2.04

ratio Fe(dol) to Fe(mag)- 1:2.61

181

41

92 157

bed 6/7 238.5-241.25m; 2.75m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chl/fels | Feox/FeS |
|-----------|----------|---------|--------|------|----------|----------|
| 47.2% | 49.05% | 0.0% | 3.4% | 0.0% | 0.0/0.0% | 0.0/0.1% |

element proportions in whole rock

| | | |
|----|-------|-------|
| Mg | 12.99 | 6.32 |
| Ca | 0.07 | 10.37 |
| Fe | 0.86 | 0.48 |
| Mn | 0.08 | 0.11 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.51 | 12.88 |
| Ca | 0.14 | 21.14 |
| Fe | 1.82 | 0.97 |
| Mn | 0.17 | 0.22 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 45.61 | 21.36 |
| CaO | 0.19 | 29.58 |
| FeO | 2.34 | 1.25 |
| MnO | 0.22 | 0.29 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 2.61 | 1.38 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:0.96

ratio Fe(dol) to Fe(mag)- 1:1.88

bed 7/9 273.9-298.25m; 24.35m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chl/fels | Feox/FeS |
|-----------|----------|---------|--------|-------|----------|----------|
| 73.79% | 22.20% | 0.0% | 1.39% | 2.44% | 0.0/0.0% | 0.0/0.0% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 20.35 | 3.05 |
| Ca | 0.05 | 4.94 |
| Fe | 0.95 | 0.11 |
| Mn | 0.09 | 0.03 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.80 | 13.44 |
| Ca | 0.07 | 21.77 |
| Fe | 1.32 | 0.50 |
| Mn | 0.16 | 0.12 |

182

42

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 46.09 | 22.28 |
| CaO | 0.10 | 30.46 |
| FeO | 1.70 | 0.65 |
| MnO | 0.20 | 0.15 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 1.89 | 0.72 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:3.32

ratio Fe(dol) to Fe(mag)- 1:2.64

bed 9/10 307.5-310.7m; 3.2m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chir/fels | Feox/FeS |
|-----------|----------|---------|--------|-------|-----------|----------|
| 38.67% | 57.47% | 0.0% | 3.73% | 0.13% | 0.0/0.0% | 0.0/0.0% |

element proportions in whole rock

| | | |
|----|-------|-------|
| Mg | 10.81 | 7.57 |
| Ca | 0.04 | 12.12 |
| Fe | 0.76 | 0.56 |
| Mn | 0.10 | 0.13 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 27.95 | 13.09 |
| Ca | 0.10 | 21.09 |
| Fe | 1.97 | 0.97 |
| Mn | 0.25 | 0.23 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 46.34 | 21.70 |
| CaO | 0.14 | 29.50 |
| FeO | 2.54 | 1.25 |
| MnO | 0.32 | 0.29 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 2.82 | 1.39 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:0.67

ratio Fe(dol) to Fe(mag)- 1:2.03

183

43

92 159

bed 10/11 313.0-326.2m; 13.2m carbonate rock.

Mineral proportions:

| magnesite | dolomite | calcite | quartz | talc | chlr/fels | Feox/FeS |
|-----------|----------|---------|--------|------|-----------|----------|
| 80.72% | 17.75% | 0.0% | 1.54% | 0.0% | 0.0/0.0% | 0.0/0.0% |

element proportions in whole rock

| | | |
|----|-------|------|
| Mg | 22.95 | 2.38 |
| Ca | 0.06 | 3.74 |
| Fe | 0.91 | 0.08 |
| Mn | 0.10 | 0.02 |

corresponding mineral composition

| | | |
|----|-------|-------|
| Mg | 28.43 | 13.41 |
| Ca | 0.07 | 21.07 |
| Fe | 1.13 | 0.45 |
| Mn | 0.12 | 0.14 |

expressed as oxides:

| | | |
|-----|-------|-------|
| MgO | 47.14 | 22.24 |
| CaO | 0.10 | 29.48 |
| FeO | 1.45 | 0.58 |
| MnO | 0.16 | 0.18 |

| | | |
|--------------------------------|------|------|
| Fe ₂ O ₃ | 1.61 | 0.64 |
|--------------------------------|------|------|

ratio dolomite to magnesite- 1:4.6

ratio Fe(dol) to Fe(mag)- 1:2.51

A.8.7. DIAMOND DRILL CORE RECORD, MC 1.

92 160

R.L. of Site 100m A.S.L.
 Co-ords of Site 5399225m N, 346975m E (A.M.G.)
 Azimuth 257⁰ A.M.G.
 Core Size NQ / BQ Driller A.D.D.
 Commenced 5th Feb., 1971. Completed 1st April, 1971.

| FROM ft | (m) | TO ft | (m) | RECOVERY m | % | DESCRIPTION |
|------------|---------|----------|---------|---------------|------|--|
| 0 | (0) | 113 | (34.4) | 34.4 | 91.2 | Mottled grey and white dolomite with green and white talc zones. Pyrite occurs in both carbonate & talc. |
| 113 | (34.4) | 116 | (35.4) | 1.0 | 100 | |
| 116 | (35.4) | 126 | (38.4) | 3.0 | 100 | Grey-green chloritic schist with minor pyrite. |
| 126 | (38.4) | 134.6 | (41.0) | 2.6 | 100 | Grey-white Magnesite with some brown clay. |
| 134.6 | (41) | 145 | (44.2) | NIL | 0 | |
| 145 | (44.2) | 166 | (50.6) | 0.3 | 9.1 | Grey-green chloritic schist. |
| 166 | (50.6) | 176 | (53.6) | 0.3 | 10 | Whitish Magnesite (stained yellow-orange) with talc. |
| 176 | (53.6) | 186 | (56.7) | 0.2 | 5 | Coarse grained flesh coloured Magnesite. Fragments of green schist (decomposed to form brown clay). |
| 186 | (56.7) | 196 | (59.7) | 0.8 | 25 | Whitish Magnesite with flesh coloured staining. Silica present. |
| 196 | (59.7) | 215 | (65.6) | 2.4 | 42.1 | Fine grained whitish Magnesite with flesh coloured staining. |
| 215 | (65.5) | 230 | (70.1) | 2.4 | 53.3 | As above with some large crystal present. |
| 230 | (70.1) | 240 | (73.2) | NIL | 0 | Water indicates green schist. |
| 240 | (73.2) | 250 | (76.2) | 0.6 | 20 | Green chloritic schist. |
| 250 | (76.2) | 258 | (78.6) | 0.1 | 2.1 | Core present was whitish Magnesite. |

| FROM | | TO | | RECOVERY | | DESCRIPTION |
|-------|---------|-------|---------|----------|------|---|
| ft | (m) | ft | (m) | m | % | |
| 258 | (78.6) | 281 | (85.6) | 6.1 | 100 | Greyish white Magnesite, fine grained, with occasional flesh coloured staining. Grey colouring - increase in CaO content. |
| 281 | (85.6) | 397 | (121) | 34.4 | 97.4 | As Above. 321' to 332' - Talc. Minor core losses most probably due to washing away of decomposed chloritic schist. Grey colouring - increase in CaO content. |
| 397 | (121) | 399.6 | (121.8) | 0.8 | 100 | Transition zone of Magnesite and green chloritic schist. |
| 399.6 | (121.8) | 409.3 | (124.8) | 3.0 | 100 | Green chloritic schist with pyrite and minor carbonate veinlets. |
| 409.3 | (124.8) | 410 | (125) | 0.2 | 100 | Transition zone of green schist and Magnesite veins. |
| 410 | (125) | 426.6 | (130) | 5.0 | 100 | Greyish-white Magnesite, calcium rich. More silica present from 417'6". |
| 426.6 | (130) | 472 | (143.9) | 13.9 | 100 | Mottled grey and white carbonate - Dolomite, with occasional blebs of white Magnesite. Silica rich. |
| 472 | (143.9) | 473 | (144.2) | 0.3 | 100 | Transition from grey carbonate to whitish Magnesite. |
| 473 | (144.2) | 548 | (167) | 22.3 | 97.3 | Whitish Magnesite with occasional grey colourings (indicates increased calcium content). |
| 548 | (167) | 549 | (167.3) | 0.3 | 100 | Sheared dark green schist. |
| 549 | (167.3) | 650.9 | (198.4) | 31.1 | 100 | Whitish Magnesite with occasional grey colourings (calcium increase). Minor talc zones. Coarse crystals between 598'6" and 604'6". Green schist veinlets between 603' and 604'. Occasional pyrite grains. |
| 650.9 | (198.4) | 652 | (198.7) | 0.3 | 100 | Transition from Magnesite to grey-black carbonaceous? schist. |
| 652 | (198.7) | 656.9 | (200.2) | 1.5 | 100 | Grey-black carbonaceous? schist with minor carbonate veinlets and pyrite grains. |
| 656.9 | (200.2) | 659.6 | (201) | 0.8 | 100 | Green schist with minor carbonate and pyrite - mottled effect. |

| FROM | | TO | | RECOVERY | | DESCRIPTION |
|-------|---------|-------|---------|----------|------|---|
| ft | (m) | ft | (m) | m | % | |
| 659.6 | (201.0) | 669.6 | (204.1) | 3.1 | 100 | Dark grey to black carbonaceous? schist with minor carbonate veins. |
| 669.6 | (204.1) | 674 | (205.4) | 1.3 | 100 | Green chloritic schist with carbonate - mottled appearance. |
| 674 | (205.4) | 685.6 | (209) | 3.0 | 87 | Whitish Magnesite becoming greyer in colouring (more calcium) with depth e.g. from 682'6" - 685'6" considerably more calcium. Occasional black schist stringers e.g. 676'6" - 676'9". |
| 685.6 | (209) | 686.6 | (209.3) | 0.3 | 100 | Transition from Magnesite to black schist. |
| 686.6 | (209.3) | 688.6 | (209.9) | 0.5 | 75 | Greasy grey-black carbonaceous? talc schist containing pyrite. |
| 688.6 | (209.9) | 689.9 | (210.3) | 0.4 | 100 | Whitish Magnesite with grey schist stringers. |
| 689.9 | (210.3) | 705.6 | (215.1) | 1.8 | 37.5 | Whitish Magnesite with minor grey schist stringers, decreasing with depth. |
| 705.6 | (215.1) | 766.9 | (233.8) | 18.7 | 100 | Greyish-white Magnesite with lenses of white coarsely crystalline Magnesite e.g. 719'3" - 719'6" 717'6" - 718'3" Grey schist stringers present e.g. 739'6" - 749'6" |
| 766.9 | (233.8) | 769.6 | (234.6) | 0.8 | 100 | Green chloritic schist with occasional pyrite. |
| 769.6 | (234.6) | 811 | (247.2) | 12.6 | 100 | Whitish Magnesite with occasional grey schist stringers. Schistose zone 771' - 771'3". Occasional pyrite within the carbonate. |
| 811 | (247.2) | 936 | (285.3) | 38.1 | 100 | White and grey-white Magnesite. |
| 936 | (285.3) | 937 | (285.6) | 0.3 | 100 | Grey schist with talc, especially in last three inches of core. |
| 937 | (285.6) | 999.3 | (304.6) | 19.0 | 100 | White and grey-white Magnesite with occasional pyrite. 970' - 971'3" - large crystals. 937' - 947' - more grey colouring i.e. more calcium present. |

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A.8.7.4.
92 163

| FROM | | TO | | RECOVERY | | DESCRIPTION |
|--------|---------|--------|---------|----------|-----|--|
| ft | (m) | ft | (m) | m | % | |
| 999.3 | (304.6) | 1023.6 | (312) | 5.4 | 100 | Green chloritic schist with only occasional carbonate, e.g. 1020'2" - 1020'5". Some small carbonate veinlets appear to contain haematite crystals. Last 1'6" of core contains more silica - transition zone. |
| 1023.6 | (312) | 1031 | (314.2) | 2.2 | 100 | White and greyish white (last 2'6") Magnesite. |

HOLE ABANDONED WHEN BARREL SPUN OFF
AND RECOVERY ATTEMPTS FAILED.

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A.8.8.1.

A.8.8. DIAMOND DRILL CORE RECORD, MC 2.

92 164

R.L. of Site 100m A.S.L.
 Co-ords of Site 5399075m N, 347075m E (A.M.G.)
 Azimuth 257⁰ A.M.G.
 Core Size NQ / BQ Driller A.D.D.
 Commenced 29th Feb., 1972. Completed 30th March, 1972.

| FROM ft (m) | TO ft (m) | RECOVERY m % | DESCRIPTION |
|-----------------|-----------------|-----------------|---|
| 0 (0) | 15 (4.6) | -- -- | Water return indicated a Talcose - Carbonate schist. |
| 15 (4.6) | 16 (4.9) | .15 50 | Talcose carbonate green schist. |
| 16 (4.9) | 16.5 (5.0) | NIL | Transition Zone? |
| 16.5 (5.0) | 18.5 (5.6) | 0.2 25 | Dolomite? with pyrite aggregates up to 10mm diameter. |
| 18.5 (5.6) | 20 (6.1) | NIL | |
| 20 (6.1) | 50 (15.2) | 9.1 100 | Greyish white carbonate with occasional Pyrite e.g. 43' - 44'. Dolomite from 30' to 50'. |
| 50 (15.2) | 61.25 (18.7) | 3.5 100 | Grey-green Talcose-Carbonate-Schist with pyrite. |
| 61.25 (18.7) | 110.5 (33.7) | 15.0 100 | Grey-white Carbonate - fine grained Magnesite. |
| 110.5 (33.7) | 112.75 (34.4) | 0.7 100 | Similar to above but whiter in appearance - crystals? |
| 112.75 (34.4) | 152 (46.3) | 11.9 100 | Grey to white carbonate - fine grained - with minor crystalline sections. Solution channels occur between 133' and 141' - Magnesite. Dolomite predominant from 112'9" - 127'. |
| 152 (46.3) | 181 (55.2) | 8.9 100 | Fine grained predominantly white carbonate crystals - 170'6" to 170'9" - Magnesite |
| 181 (55.2) | 191 (58.2) | 3.0 100 | Core similar but greyer than above and more fragmentary - Magnesite. |

| FROM ft | (m) | TO ft | (m) | RECOVERY m | % | DESCRIPTION |
|------------|---------|----------|---------|---------------|-----|---|
| 191 | (58.2) | 203.5 | (62.0) | 3.8 | 100 | Fine grained grey-white Carbonate. Crystals from 202'6" - 203'6" - Magnesite. |
| 203.5 | (62.0) | 254 | (77.4) | 15.4 | 100 | Magnesite: Core more grey than above. Solution channels at 209', 219', 219'6" and 227'6". |
| 254 | (77.4) | 262.5 | (80) | 2.6 | 100 | Predominantly white carbonate - crystals from 258' - 258'9" - Magnesite. |
| 262.5 | (80) | 278 | (84.7) | 4.7 | 100 | Greyish-white, fine grained Ca-Mg Carbonate, high SiO ₂ content. |
| 278 | (84.7) | 280 | (85.3) | 0.6 | 100 | Light to dark grey Ca-Mg Carbonate - high SiO ₂ content. |
| 280 | (85.3) | 289.5 | (88.2) | 2.9 | 100 | Grey-white Carbonate - fine grained - becoming whiter with depth - high SiO ₂ content. Only minor Dolomite. |
| 289.5 | (88.2) | 301.25 | (91.8) | 3.6 | 100 | Predominantly white Ca-Mg Carbonate with some talcose sections. |
| 301.25 | (91.8) | 358 | (109.1) | 17.3 | 100 | Similar to 280' - 289'6" - greyer with depth. 345'6" - 352' crystals and talc present. Ca-Mg Carbonate with high SiO ₂ content. |
| 358 | (109.1) | 360.5 | (109.9) | 0.8 | 100 | Grey-white Carbonate - fine grained. |
| 360.5 | (109.9) | 363 | (110.6) | 0.5 | 100 | Fine grained grey carbonate with minor white carbonate occurrences - crystalline - high SiO ₂ content. |
| 363 | (110.6) | 363.75 | (110.9) | 0.3 | 100 | Dark grey carbonate schist. |
| 363.75 | (110.9) | 364 | (111.0) | 0.1 | 100 | Talcose Carbonate - white. |
| 364 | (111.0) | 387.5 | (118.1) | 7.1 | 100 | Light grey Dolomite Carbonate with minor white crystalline zones and talcose zones, e.g. 387'3" - 387'6". Pyrite crystals between 375' and 385'. (Calcium-rich Magnesite with high SiO ₂ content). |
| 387.5 | (118.1) | 415 .25 | (126.6) | 8.5 | 100 | Grey-green Amphibolite schist with minor carbonate veins (½") and haematite veinlets (1 - 2mm). Schistosity is only slight. Core is greyer towards the carbonate contacts. |

| FROM | | TO | | RECOVERY | | DESCRIPTION |
|--------|---------|--------|---------|----------|-----|---|
| ft | (m) | ft | (m) | m | % | |
| 415.25 | (126.6) | 452.5 | (137.9) | 11.3 | 100 | Predominantly white Carbonate (grey tint) with minor crystalline occurrences - Magnesite. |
| 452.5 | (137.9) | 476.75 | (145.3) | 7.4 | 100 | White Carbonate with clear crystalline stringers - Magnesite. |
| 476.75 | (145.3) | 477.25 | (145.5) | 0.2 | 100 | Grey-green talcose - carbonate schist. |
| 477.25 | (145.5) | 486.25 | (148.2) | 2.7 | 100 | White carbonate with minor grey stringers - Magnesite. |
| 486.25 | (148.2) | 499 | (152.1) | 3.9 | 100 | Sheared grey-green Amphibolite? with minor carbonate veinlets. Last 3" of core is grey and talcose. |
| 499 | (152.1) | 500 | (152.4) | 0.3 | 100 | Grey-white carbonate. 500' - 501' - core talcose and containing pyrite crystals. Calcium rich Magnesite. |
| 500 | (152.4) | 587 | (178.9) | 26.5 | 100 | White to greyish white Magnesite with minor talcose zones (greenish white in colour) e.g. 500' - 508'6" with pyrite crystals and also 511' - 513'. Occasional grey-green greenschist, e.g. 523'6" - 524'3", 526'9" - 525', 549'3" - 550'9". (Silica content is high for this core section). |
| 587 | (178.9) | 609 | (185.6) | 6.7 | 100 | Light grey and white calcium rich Magnesite. Silica content higher than usual. Occasional talcose and coarse grained sections. |
| 609 | (185.6) | 610.75 | (186.2) | 0.6 | 100 | Grey-green chloritic schist. |
| 610.75 | (186.2) | 631 | (192.3) | 6.1 | 100 | Fine grained greyish white calcium rich Magnesite. Occasional crystals. |
| 631 | (192.3) | 672.75 | (205.1) | 12.8 | 100 | White-grey Magnesite with minor grey-green schist zones up to 6" wide. e.g. 641' - 651'. |
| 672.75 | (205.1) | 740.5 | (225.7) | 20.6 | 100 | Light grey-white Magnesite. Core shattered between 691' and 705'6". |
| 740.5 | (225.7) | 753 | (229.5) | 3.8 | 100 | Whitish Magnesite with numerous - 1/8" grey-green schistose stringers (puggy in part). |
| 753 | (229.5) | 782 | (238.4) | 8.9 | 100 | Light grey-white Magnesite. Occasional vughs. Parallel jointing between 772' and 782'. |

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| FROM | | TO | | RECOVERY | | DESCRIPTION |
|--------|---------|--------|---------|----------|-----|---|
| ft | (m) | ft | (m) | m | % | |
| 782 | (238.4) | 787.5 | (240.5) | 2.1 | 100 | Green chloritic schist with occasional carbonate, haematite veinlets and pyrite. Schist becomes more talcose towards Magnesite contact. |
| 787.5 | (240.5) | 843 | (256.9) | 16.4 | 100 | Greyish-white to white Magnesite. Talcose towards contact with chloritic schist. Green schist stringers common e.g. 803'4" - 803'6" - with pyrite. Crystalline section 818' - 821'. Pyrite in carbonate 823' - 824'. Parallel jointing (resulting in discs of $\frac{1}{2}$ " to $\frac{1}{4}$ " depth) between 787'6" - 801', 827'9" - 839'9". |
| 843 | (256.9) | 843.5 | (257.1) | 0.2 | 100 | Amphibolite with minor carbonate. Occasional pyrite and shearing. |
| 843.5 | (257.1) | 861.25 | (262.5) | 5.4 | 100 | Amphibolite - predominantly massive and fine grained. Minor carbonate, pyrite and haematite. The last 3" of core is sheared. |
| 861.25 | (262.5) | 865 | (263.7) | 1.2 | 100 | Grey-white calcium rich Magnesite with a grey carbonate (Dolomite) zone from 861'5" - 862' containing pyrite and chalcopyrite? |
| 865 | (263.7) | 876.75 | (267.2) | 3.5 | 100 | Amphibolite - (as for 843'6" - 861'3"). |
| 876.75 | (267.2) | 877.5 | (267.5) | 0.3 | 100 | Transition zone from Amphibolite to Carbonate. |
| 877.5 | (267.5) | 879 | (267.9) | 0.2 | 100 | Grey-green-white talcose carbonate zone. |
| 879 | (267.9) | 896 | (273.1) | 5.2 | 100 | Grey-white Magnesite with talc and occasional schist stringers. |
| 896 | (273.1) | 898 | (273.7) | 0.6 | 100 | Grey Carbonate Schist grading into slightly sheared Amphibolite. |
| 898 | (273.7) | 903.5 | (275.4) | 1.7 | 100 | Amphibolite - minor carbonate and pyrite. |
| 903.5 | (275.4) | 904.75 | (275.8) | 0.4 | 100 | Transition zone from Amphibolite to carbonate. |

~~92 168~~

| FROM | | TO | | RECOVERY | | DESCRIPTION |
|--------|---------|--------|---------|----------|-----|--|
| ft | (m) | ft | (m) | m | % | |
| 904.75 | (275.8) | 978 | (298.1) | 22.3 | 100 | Light grey to white Magnesite. Core talcose with one foot of amphibolite contacts and also from 904'9" - 906'9" and 944' - 978' - minor schist zones, e.g. 927'6" - 928'. Parallel jointing-discs, between 907' - 911', 932' - 944'. |
| 978 | (298.1) | 980.75 | (298.9) | 0.8 | 100 | Green sheared Amphibolite with minor carbonate. |
| 980.75 | (298.9) | 933 | (302.7) | 3.8 | 100 | Grey-white Magnesite. |
| 993 | (302.7) | 997.75 | (304.1) | 1.4 | 100 | Sheared grey-green Amphibolite with minor carbonate + pyrite. |
| 997.75 | (304.1) | 1003 | (305.7) | 1.6 | 100 | Grey-white Magnesite. |

HOLE TERMINATED.

A.8.9. DIAMOND DRILL CORE RECORD, MC 27

R.L. of Site 170m A.S.L.

Co-ord of Site 5400775mN, 346650mE (A.M.G.)

Azimuth 257 deg A.M.G.

Core Size NQ/BQ Driller Overland Drilling

Commenced 18th March, 1983. Completed 6th March, 1983.

| FROM m | TO m | RECOVERY m % | DESCRIPTION |
|-----------|---------|-----------------|--|
| 33.0 | 33.15 | 0.15 100 | DIABASE (altered dolerite) dark greenish grey Munsell colour code (5G 4/1) equigranular, non cleaved bears pyrite 2% and magnetite 5% feldspars altered to green material. Interpreted as a dyke rock, post dating metamorphism possibly cavings. |
| 33.15 | 37.85 | 4.70 100 | MAGNESITE ROCK, fine grained, very pale grey (N8) to yellowish grey (5Y 8/1) weathering to moderate orange pink (5YR 8/4) at the solutional boundary at 33.15 accessory pyrite up to 2% associated with darker colouration to medium grey (N5) in blotches with gradational boundaries making up 20% of the interval, also in hairline fractures grading into irregular gash veins with olive grey coarse carbonate (considered MAGNESITE) with occasional infills (considered DOLOMITE). The gash |

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92 170

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|-------|-------|------|-----|---|
| | | | | veins comprise 5% of the rock. Straight to reticulate tension veins contain white to light grey coarse carbonate (considered MAGNESITE). From 37.40, the yellowish grey colour is predominant. |
| 37.85 | 41.00 | 2.15 | 100 | Pyritic Magnesite rich TALC SCHIST. 2 phases present (a) moderate brown (5YR 4/4), with quartz segregations and (b) brownish grey with disseminated magnesite. Pyrite 2-5% in both, metamorphic layering with segregation of magnesite in both. White MAGNESITE veins near base have coarse magnesite concretion-like segregations to 3m. Contorted Core Schistocity Angle CSA 45 deg to 60 deg in less contorted sections. |
| 41.00 | 42.80 | 1.80 | 100 | MAGNESITE ROCK Medium light grey (N6) to yellowish grey (5Y 8/1) crackle veins with olive grey magnesite 2%, tension veins 1% with white carbonate, pyrite 1-2% otherwise very like 33.15 - 37.85 interval. |
| 42.8 | 43.8 | 0.9 | 90 | MAGNESITE ROCK, pale yellowish orange (10YR 8/6) to yellowish grey (5Y 8/1) with crackle veins. Core broken, yellow stain on joints, minor leach voids 43.5 - 43.6 interpreted as effect of leaching now open joints. |
| 43.8 | 46.9 | 3.1 | 100 | MAGNESITE ROCK, yellowish grey (5YR 8/1) fine grained, have 1% sub-spherical patches recrystallised to pale olive grey (6Y 8/1) net of annealed crackle veins and vughs with light olive grey coarse magnesite 5%, accessory pyrite tension veins with yellowish white magnesite (5Y 9/1). |

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|-------|-------|------|-----|--|
| 46.9 | 47.1 | 0.2 | 100 | Large tension vein, yellowish white magnesite with very coarse 71cm white dolomite core. |
| 47.1 | 48.7 | 1.6 | 100 | MAGNESITE ROCK, yellowish grey (5YR 8/1) fine grained have very light grey blobs, fine grained, accessory pyrite in hairline fractures annealed crackle veins to 5-10%, tension veins with yellowish white magnesite (5Y 9/1). |
| 48.7 | 48.85 | 0.15 | 100 | recrystallised MAGNESITE ROCK, medium grained, partly replaced/veined with yellowish white coarse magnesite. |
| 48.85 | 53.55 | 4.7 | 100 | MAGNESITE ROCK with accessory pyrite, annealed crackle veins, tension veins and fine grained grey blobs. Colours and grain size as before. |
| 53.55 | 53.75 | 0.2 | 100 | MAGNESITE ROCK, greyish orange associated with incipient oxidation of 0.5cm carbonate vein, other textures as before. |
| 53.75 | 62.25 | 8.5 | 100 | MAGNESITE ROCK, fine grained, pale yellowish grey (5Y 9/1) with annealed crackle veins, tension veins etc. as before towards base crackle veins darken to olive grey (5Y 4/1) and pyrite increases. |
| 62.25 | 62.40 | 0.15 | 100 | MAGNESITE ROCK, fine grained, yellowish grey and medium grey. DOLOMITE-MAGNESITE rock, increasing in proportion towards base relatively rich in pyrite. The grey material appears to be pseudomorphing original coarse dolomite? The basal 3cm are bedded with a white dolomite gash vein. |
| 62.40 | 62.50 | 0.10 | 100 | TALC SCHIST, olive grey (5Y 4/1) with ptygmatic quartz vein and dolomite layers in schistosity planes, greyish orange patina |

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developed on dolomite layers
CSA 50 deg.

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|-------|-------|------|-----|--|
| 62.50 | 64.00 | 1.50 | 100 | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) with gash veins, tension veins and metamorphic laying of dolomite (white) which acquires a patina of dark yellowish orange (10YR 6/6). Dolomite layers up to 60% 62.5 - 62.7 at 63.5 pygmatic quartz and carbonate. |
| 64.00 | 64.25 | 0.25 | 100 | TALC SCHIST, light olive brown (5Y 5/6) with magnesite along schistosity and in veins CBA at 64.25 is 65 deg. |
| 64.25 | 64.50 | 0.25 | 100 | MAGNESITE ROCK, pale yellowish orange (10YR 8/6) Seamed with light grey with blurred boundary - interpreted as recrystallised "annealed crackle vein" material. Some later generation crackle veins. Some DOLOMITE in grey material. |
| 64.50 | 67.05 | 2.5 | 100 | MAGNESITE ROCK, yellowish grey (5Y 8/1) seamed with light grey (N7) in areas of annealed crackle veins. Some tension veins with white dolomite interior and light olive grey magnesite margins, also isolated vughs of light olive grey (5Y 6/1) magnesite. |
| 67.05 | 67.15 | | | DOLOMITE & MAGNESITE, medium grey (N5). |
| 67.15 | 67.20 | | | DOLOMITE recrystallised, medium grain size. CBA at 67.20 80 deg. |
| 67.20 | 67.45 | | | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1), gash veins and short lenses of dolomite along schistosity. |
| 67.45 | 68.15 | | | Altered DOLERITE, medium greenish grey (5G 5/1), equi-granular, some calcite in rock |

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| | | | | itself and in veins, greenschist 1-2cm at 67.58 and 67.62. |
| 68.15 | 68.35 | 0.20 | 100? | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) minor veins and lenses of dolomite in schistosity planes. |
| 68.35 | 68.50 | | | MAGNESITIC DOLOSTONE, very pale orange (10YR 8/2) to greyish orange (10YR 7/4) recrystallised, medium grained, some magnesite from 68.40, coarse grained vein, mainly medium grey with light olive grey patina, aggregates of dolomite and magnesite, some white dolomite. |
| 68.50 | 68.95 | | | GREENSCHIST, light olive grey (5Y 6/1) metamorphic segregation with light layers? feldspar rich and darker layers? chlorite rich Possibly TALC rich. |
| 68.95 | 70.25 | | | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1), dolomite white with dark yellowish orange (10YR 6/6) patina up to 60% in schistosity planes CSA 60 deg. |
| 70.25 | 70.35 | | | TALCSCHIST, light olive grey (5Y 5/2). |
| 70.35 | 70.90 | 0.40 | 72.7 | DOLOMITIC MAGNESITE ROCK, pale yellowish orange (10YR 8/6), medium grained, pale grey and coarse at 70.35 - 70.37. Core losses associated with leached quartz/carbonate vein at about 70.80, dolomite 20% at top, less than 5% at base. |
| 70.90 | 76.10 | 6.20 | 100 | MAGNESITE ROCK, very pale orange (10YR 8/2) with light grey (N7) annealed crackle veins and vughs, and very light grey patches associated with pyrite 1%, also tension veins with coarse light olive grey magnesite veins and |

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| | | | | white dolomite cores. At 72.7 0.5cm brownish grey talc schist 60 deg. |
| 76.10 | 77.50 | | | MAGNESITE ROCK, pale yellowish orange (10YR 8/6) with net of medium grey pyritic magnesite with blurred boundaries, some dark yellowish orange (10YR 6/6) oxidised crackle veins, medium grained. Talc schist with quartz at 78.58 - 78.63, and 78.86 - 78.95. |
| 77.50 | 79.35 | | | DOLOMITIC GREENSCHIST, cf 68.95 - 70.25 interval, quartz at 79.20, talc at top and bottom. |
| 79.35 | 80.18 | 0 83 | 100 | DOLOMITIC MAGNESITE ROCK, dark yellowish orange (10YR 6/6) patina over white medium grained white veins and replacement bodies of coarse dolomite. |
| 80.18 | 80.25 | 0 07 | 100 | TALC SCHIST, dusky brown (5YR 2/2) with ptygmatic quartz veins and pyrite to 5%. |
| 80.25 | 80.38 | 0 13 | 100 | DOLOMITIC GREENSCHIST, greyish orange (10YR 7/4), owing to high proportion of carbonate in schistosity planes (80%). |
| 80.38 | 84.00 | 3.62 | 100 | AMPHIBOLITE, dark greenish grey, (5G 4/1) medium grained, slightly foliated, equigranular carbonate gash veins and tension veins, mainly dolomite with dark yellowish orange patina but also rare light brown (5YR 5/6) patina on siderite? and some white calcite. |
| 84.00 | 85.65 | 1.65 | 100 | Pyritic dolomitic GREENSCHIST, light olive grey (5Y 6/1), sparse carbonate in schistosity planes with ptygmatic folding. |
| 85.65 | 86.65 | 1.00 | 100 | AMPHIBOLITE, dark greenish grey (5GY 4/1), rare carbonate gash veins equigranular. |

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| 86.65 | 88.20 | 1.55 | 100 | Pyritic dolomitic GREENSCHIST, cf 84.0 - 85.65 CSA 20 deg. |
| 88.20 | 88.80 | 0.60 | 100 | DOLOMITIC-MAGNESITE ROCK, dark yellowish orange, (10YR 6/6) with very pale orange dolomite veins/ replacement bodies with rough edges, concave irregular but sharp boundaries with greenschist Greenschist inclusion at 88.60. |
| 88.80 | 93.20 | | | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) with dolomite in schistosity planes with dark yellowish orange (10YR 6/6) patina and minor tension veins. |
| 93.20 | 93.35 | 0.15 | 100 | MAGNESITE ROCK, dark yellowish orange (10YR 6/6), coarse grained with tension veins with white dolomite centres at 93.20, leached with a vein quartz etching out. |
| 93.35 | 94.60 | | | DOLOMITIC GREENSCHIST, light olive grey (5Y 6/1) dolomite disseminated and in short lenses as well as in schistosity plane layering bedding possibly present as layers up to 1cm with differing textures. Ptygmatic MAGNESITE at 99.80 5cm. |
| 94.60 | 97.80 | | | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) dolomite in schistosity planes to 20%, also in rare tension veins at 96.4 - 96.5 possible bedding parallel schistosity CSA 25 deg. |
| 97.80 | 98.15 | | | MAGNESITE ROCK, greyish orange to pale yellowish orange (10YR 8/6) seamed with light olive grey coarse magnesite with white dolomite, quartz at 97.80. Sharp but irregular contacts with greenschist. |
| 98.15 | 100.05 | 1.9 | 100 | DOLOMITIC GREENSCHIST, cf 94.6 to 97.8. |

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| 100.05 | 100.90 | 0.85 | 100 | MAGNESITE ROCK, pale orange (10YR 8/4) seamed with light olive grey (5Y 6/1) coarse carbonate veins, magnesite with some white dolomite. Blurred boundaries due to recrystallisation? |
| 100.90 | 101.60 | | | DOLOMITIC GREENSCHIST, cf 94.6 - 97.8 but lighter, with talc? 100.90 - 101.00 and with ptigmatic quartz 101.40 and 101.60. |
| 101.60 | 103.40 | | | MAGNESITE ROCK, pale orange (10YR 8/4) seamed with light olive grey coarse carbonate (5Y 6/1) mixed dolomite and magnesite, medium grained, blurred boundaries, tension veins with white magnesite. |
| 103.40 | 103.90 | | | DOLOMITIC GREENSCHIST, greenish grey (5GY 5/1) carbonate in schistosity planes from 103.50 - 103.57 'bed' with disseminated carbonate CBA 65 deg. |
| 103.90 | 104.30 | | | MAGNESITE ROCK, mainly displaced by white vein magnesite. Magnesite rock 10% pale yellowish orange (10YR 8/1); talc schist 27% in stylolites; irregular, sharp boundary with greenschist. |
| 104.30 | 104.70 | | | TALC SCHIST, light olive grey (5Y 6/1), trace pyrite minor carbonate in schistosity. |
| 104.70 | 107.10 | | | DOLOMITIC GREENSCHIST, 60%, greenish grey (5GY 5/1), interbedded with FELDSPATHIC? GREEN SCHIST, 40%, light olive grey (5Y 6/1) beds 1cm - 5cm usual, up to 20cm at 106.2. CBA 40 deg. |
| 107.10 | 108.60 | | | AMPHIBOLITE, dark greenish grey (5G 4/1) minor calcite veins. |

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|--------|--------|------|-----|---|
| 108.60 | 110.80 | 2.0 | | DOLOMITIC TO FELDSPATHIC? GREEN-SCHIST, dark greenish grey (5G 4/1) to light olive grey (5Y 6/1) |
| 110.80 | 111.20 | | | TALC SCHIST 50%, light olive grey (5Y 5/1) with absorbent ptygmatic quartz bodies 50%. |
| 111.20 | 111.50 | 0.30 | 100 | MAGNESITE ROCK, pale yellowish orange (10YR 8/6), medium grained, tension veins with dolomite cores. |
| 111.50 | 117.30 | 5.8 | 100 | MAGNESITE ROCK, greyish yellow (5Y 8/4) pale orange (10YR 8/4) medium grained seamed with light olive grey coarse magnesite with blurred boundaries. Also tension veins with dolomite cores. Darker material more abundant to 20%. 114.50 - 115.90. |
| 117.30 | 120.1 | 3.1 | 100 | MAGNESITE ROCK, greyish yellow (5Y 8/4), fine grained with annealed crackle veins light olive grey (5Y 6/1), some medium grained. |
| 120.10 | 120.40 | 0.20 | 66 | TALC SCHIST, light olive grey (5Y 6/1). |
| 120.40 | 121.10 | 0.70 | | GREENSCHIST, minor dolomite, dark greenish grey (5G 4/1). Dolomite in veins and schistosity. |
| 121.10 | 125.70 | 4.6 | 100 | AMPHIBOLITE, greyish olive green (5GY 3/2) CSA 60%, CBA at base 45%. |
| 125.70 | 128.00 | 2.3 | 100 | Pyritic TALC SCHIST, light olive grey (5Y 5/2). |
| 128.00 | 129.00 | 1.0 | 100 | Pyritic TALC-MAGNESITE SCHIST, olive grey (5Y 3/2) magnesite in ptygmatic segregations and along schistosity planes to 20%. basal CBA 30 deg. |
| 129.00 | 134.60 | 5.6 | 100 | MAGNESITE ROCK, very pale grey to pale yellowish orange (10YR 8/6) with annealed crackle veins light |

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| | | | | olive grey (5Y 6/1) to 10% of the rock; medium to fine grained. tension veins with coarse carbonates, magnesite with white dolomite cores. Basal CBA 65 deg base moderate orange pink (5YR 8/4) |
| 134.60 | 134.65 | 0.05 | 100 | TALC SCHIST, olive grey (5Y 4/1) with pygmatic quartz and magnesite in schistosity planes. |
| 134.65 | 135.15 | 0.5 | 100 | DOLOMITIC GREENSCHIST, dark greenish grey (5/1). |
| 135.15 | 136.40 | 1.25 | 100 | AMPHIBOLITE, dark greenish grey (5GY 4/1) grading to olive grey (5Y 4/1) below 136.10. |
| 136.40 | 136.55 | | | TALC SCHIST, with magnesite to 10% olive grey (5Y 4/1) to pale yellowish brown (10YR 6/2) magnesite as pygmatic blobs and in schistosity planes. |
| 136.55 | 178.20 | | | MAGNESITE ROCK, yellowish grey (5Y 8/1), medium grained seamed with annealed crackle veins, light olive grey (5Y 6/1) to 10% with blurred boundaries, rare tension veins with coarse magnesite 156.45 - 156.55 and 157.00-30 pale yellowish orange (10YR 8/6), also 171.70 - 171.85, 174.85 - 175.10. From 167.60 - 167.90 light brown (5YR 5/6) leached rock with relict spongy quartz and limonite stain, light brown (5YR 5/6) coarsely crystalline areas with DOLOMITE 164.8 - 165.05, 166.0 - 166.30. |
| 178.20 | 178.50 | 0.30 | 100 | TALC SCHIST, mainly olive grey (5Y 3/2) with white talc? porphyroblast 178.20 - 178.25 well bedded, greyish brown (5YR 3/2) CBA 65 deg.; 178.40 - 178.50 greyish brown, fissile. |

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|--------|--------|------|---|
| 178.50 | 179.20 | 0.50 | MAGNESITE ROCK, greyish orange (10YR 7/4) with solution cavity 178.80 - 179.00 |
| 179.20 | 179.35 | 0.15 | MAGNESITE ROCK, greyish yellow (5Y 8/4). |
| 179.35 | 179.50 | 0.15 | MAGNESITE ROCK, very light grey with 5% stylolite/veins of PYRITE |
| 179.50 | 180.40 | 0.60 | MAGNESITE ROCK, greyish orange (10 YR 7/4) with solution cavity 179.6 - 179.9 from 179.55 to 179.60, spongy quartz dark yellowish orange (10 YR 6/6) to moderate brown (5YR 3/4). |
| 180.40 | 182.00 | | MAGNESITE ROCK, yellowish grey (5Y 7/2) and pale yellowish orange (10YR 8/4) medium grained, some annealed crackle veins and tension veins. At 181.10 - 181.20 recrystallised, with dolomite? |
| 182.00 | 182.80 | | MAGNESITE ROCK, pale yellowish orange (10YR 8/6), with annealed crackle veins and relatively abundant tension veins, with dolomite cores and magnesite borders. |
| 182.80 | 185.30 | | MAGNESITE ROCK, greyish yellow (5Y 7/5) seamed with yellowish grey to olive grey recrystallised areas, 10 184.85 - 185.15 very large 2 carbonate vein mostly white dolomite. |
| 185.30 | 186.00 | | MAGNESITE-DOLOMITE ROCK, light olive grey to olive grey coarsely crystallised magnesite/dolomite with 10% relict greyish yellow magnesite rock. |
| 186.00 | 186.55 | | MAGNESITE ROCK, pale yellowish orange (10yr 8/6) to light olive grey (5Y 6/1), medium grained, with coarse carbonate. |

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| 186.55 | 186.95 | MAGNESITE-DOLOMITE ROCK, cf 185.30 - 186.00. |
| 186.95 | 189.92 | MAGNESITE ROCK, greyish yellow (5Y 8/4) medium grained seamed with medium light grey (N6) annealed crackle veins, 5%, tension veins, (2 carbonates) and minor areas of coarsely crystallised dolomite magnesite rock. |
| 189.92 | 190.25 | TALC SCHIST, dark yellowish brown (10YR 4/2), pyritic, with white talc? porphyroblasts, and ptygmatic quartz veins 189.92 - 189.98 with magnesite to 60%. |
| 190.25 | 190.30 | AMPHIBOLITE, pale brown (5YR 5/2) (with talc) |
| 190.30 | 190.40 | AMPHIBOLITE, dark greenish grey (5GY 4/1), with porphyroblasts magnesite? |
| 190.40 | 190.55 | GREENSCHIST and TALC SCHIST, dark greenish grey (5GY 4/1) and pale brown (5YR 5/2) ptygmatic quartz veins; magnesite 1cm at base. AMPHIBOLITE, greenish black (5 2/1) with porphyroblasts magnesite. |
| 190.55 | 193.15 | AMPHIBOLITE, dark greenish grey (5GY 4/1) minor carbonate veins. |
| 193.15 | 193.50 | GREENSCHIST, medium bluish grey (5B 5/1) with minor quartz and carbonate |
| 193.50 | 195.60 | AMPHIBOLITE, dark greenish grey with calcite and dolomite veins cf 194.7 and 194.9 greenschist beds 2cm CSA 25 deg. minor quartz |
| 195.60 | 196.6 | GREENSCHIST, medium bluish grey, some carbonate in schistosity planes and veins, minor ptygmatic quartz. |

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|--------|--------|------|---|
| 196.60 | 203.1 | | AMPHIBOLITE, dark greenish grey (5G 4/1) equigranular, but schistose at boundaries calcite veins. |
| 203.10 | 211.00 | | GREENSCHIST, dark greenish grey (5G 4/1) dolomitic with up to 10% dolomite in schistosity planes; calcite in gash veins and in minor dolomite/calcite veins. Accessory pyrite throughout, minor quartz veins chlorite rich? - |
| 211.00 | 211.60 | | AMPHIBOLITE, dark greenish grey (5G 4/1) equigranular to slightly schistose. |
| 211.60 | 219.90 | | GREENSCHIST, greenish grey (5G 6/1) with minor calcite veins |
| 219.90 | 228.10 | 100 | AMPHIBOLITE, dark greenish grey (5G 4/1) with calcite veins, mainly equigranular but minor schistose with some calcite segregating in schistosity planes 221.20 - 221.40, 223.30 - 223.55, 223.70 - 223.80 |
| 228.10 | 236.80 | 100 | CALCITIC AMPHIBOLITE, medium bluish grey (5B 5/1), fine grained, foliated but non fissile, grades into equigranular amphibolite, calcite as porphyroblasts and tentacles in schistosity, and in veins at 236.00 large vein with dolomite + calcite; CSA 50 deg. |
| 236.80 | 237.35 | 0.35 | DOLOMITIC GREENSCHIST, dolomite in schistosity planes at 236.90 dark green mineral probably chlorite but possibly talc. |
| 237.35 | 237.50 | | QUARTZ, with chlorite in stylolites and dolomite - calcite veins. |

| | | | |
|--------|--------|------|--|
| 237.50 | 237.90 | | TALC ROCK, white, coarse grained, CSA 0-20 deg., basal CBA 0-20 deg |
| 237.90 | 238.50 | 0.50 | GREENSCHIST - TALC SCHIST with ptygmatic quartz, dark greenish grey to light olive grey. |
| 238.50 | 238.90 | | DOLOMITE, very light grey (N8), coarsely crystalline, seamed with light olive grey (5Y 5/1) annealed crackle veins with magnesite/dolomite some magnesite rock (5% of whole) greyish yellow (5Y 8/4). |
| 238.90 | 241.25 | | MAGNESITE ROCK, pale yellowish orange (10YR 8/6) seamed with medium grey to light olive grey annealed crackle veins and replacement areas (mainly dolomite and white tension veins magnesite. |
| 241.25 | 241.30 | | TALC SCHIST, light olive grey (5Y 6/1). |
| 241.30 | 241.70 | | DOLOMITE GREENSCHIST, light olive grey (5Y 6/2) |
| 241.70 | 243.90 | | PYRITIC AMPHIBOLITE, fine grained light olive grey (5Y 5/2) with DOLOMITIC GREENSCHIST dark greenish grey (5GY 4/1) with prominent contorted layers of dolomite rich schist with dark yellowish orange (10YR 6/6) patina. CBA 0 deg - 10 deg increasing to 30 deg. Basal CBA 30 deg. |
| 243.90 | 244.00 | | GREENSCHIST, fine grained, dark greenish grey (5G 4/1) with quartz/dolomite vein. |
| 244.00 | 247.30 | | AMPHIBOLITE, fine grained, slightly foliated grading to DOLOMITIC GREENSCHIST dark greenish grey (5G 4/1) dolomite rich 245.50 - 245.80 |

| | | | |
|--------|--------|------|--|
| 247.30 | 260.50 | | AMPHIBOLITE, fine grained medium greenish grey (5G 5/1) to medium bluish grey (5B 5/1) with white gash veins some pyritic |
| 260.50 | 262.40 | | GREENSCHIST, fissile pyrite, greenish grey (5G 5/1) |
| 262.40 | 265.70 | | AMPHIBOLITE, dark greenish grey (5G 4/1) medium grained equigranular to slightly foliated with calcite veins. |
| 265.70 | 266.70 | | GREENSCHIST, fine grained, greenish grey (5G 5/1) pygmatic quartz at base. |
| 266.70 | 267.20 | | MAGNESITE ROCK, medium grained pale yellowish orange (10YR 8/6) with coarse DOLOMITE ROCK and white vein magnesite. Basal CBA 10 deg. |
| 267.20 | 267.30 | | GREENSCHIST, fissile, dark greenish grey. |
| 267.30 | 273.10 | | AMPHIBOLITE, dark greenish grey (5G 4/1) with calcite veins, medium grained equigranular to slightly schistose. |
| 273.10 | 273.70 | | AMPHIBOLITE, fine grained, medium bluish grey, with calcite veins. |
| 273.70 | 273.90 | 0.15 | TALC SCHIST, light olive grey (5G 5/2) with pygmatic quartz. |
| 273.90 | 283.30 | | MAGNESITE ROCK, greyish yellow (10YR 8/4) fine grained seamed with medium light grey, medium grained areas with blurred boundaries - (developed from crackle veins?) containing dolomite veins of very coarse carbonate-dolomite white, magnesite pinkish grey (5YR 8/1) 274.40 - 274.50, 275.60 - 275.70, 276.10 - 276.80, 276.90 - 277.30 277.60 - 277.70, 278.50 - 278.75, 279.60 - 279.70, at 280.40; 280.60 |

| | | | |
|--------|--------|------|--|
| | | | 281.00 - 281.10, 283.25 - 283.30, grey areas 70%, 282.30 - 282.40 elsewhere 5%. |
| 283.30 | 291.30 | | MAGNESITE ROCK, very light grey (N8) seamed with medium to coarse grained, medium light grey (N6); dolomitic recrystallised crackle veins with blurred boundaries 287.25 - 287.45 coarse magnesite/ dolomite veins, very large 287.70 - 288.30. |
| 291.30 | 298.25 | | MAGNESITE ROCK, (10YR 8/4) greyish yellow fine grained seamed with medium-coarse grained recrystallised crackle veins to 20%, coarse dolomite magnesite veins. |
| 298.25 | 298.70 | 0.35 | TALC SCHIST, greenish grey (5GY 6/1) CSA 50 deg. |
| 298.70 | 300.10 | | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) speckled with porphyroblastic dolomite 2.4mm up to 60 deg in bands 0.5 - 3.0cm, dolomite crystals develop pale yellowish orange (1YR 8/6) patina, minor carbonate veins. |
| 300.10 | 301.40 | 1.10 | GREENSCHIST, dark greenish grey (5G 4/1) with minor ptigmatic quartz. |
| 301.40 | 301.80 | 0.40 | DOLOMITIC GREENSCHIST, cf 298.70 - 300.10 |
| 301.80 | 302.30 | 0.40 | GREENSCHIST, dark greenish grey (5G 4/1). |
| 302.30 | 303.40 | | DOLOMITIC GREENSCHIST, cf 298.70 - 300.10 bedding displaced by fault 302.50 - 302.57 CBA 35 deg |

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|--------|--------|-------|-----|--|
| 303.40 | 305.80 | 2.10 | | GREENSCHIST, medium greenish grey (5G 5/1) with DOLOMITIC GREENSCHIST 304.20 - 305.10 minor carbonate veins. |
| 305.80 | 307.55 | 1.55 | | TALC SCHIST, light ochre grey (5Y 5/2) to greyish olive (10Y 5/2). |
| 307.55 | 310.70 | 3.15 | | MAGNESITE ROCK, greyish yellow (5Y 8/4) fine grained seamed with medium light grey (N6) medium grained areas with blurred crackle vein boundaries, including some dolomite, approx. 40% of interval. |
| 310.70 | 311.30 | 0.60 | | AMPHIBOLITE, dark greenish grey (5G 4/1) with porphyroblasts of dolomite to 2mm and MAGNETITE to 0.2mm. |
| 311.30 | 313.00 | 1.70 | | TALC SCHIST, light olive grey in (5G 6/1) with minor fine grained dolomitic greenschist 312.20 - 312.30. |
| 313.00 | 314.30 | 1.30 | | MAGNESITE ROCK, pale yellow (5Y 8/2) with minor seams of medium light grey (N6). |
| 314.30 | 325.20 | 10.40 | 100 | MAGNESITE ROCK, very light grey (N8) grading to pale yellow (5Y 9/2), fine grained and seamed with medium grained. Medium light grey recrystallised crackle veins, with dolomite. |
| 325.20 | 326.20 | 0.85 | 85 | DOLOMITE-MAGNESITE ROCK, light grey, medium to coarse dolomite rich areas, fine to medium grained greyish orange (10YR 7/4) areas at 325.80 and 326.00 core loss at base only. |
| 326.20 | 331.40 | | | AMPHIBOLITE, dark greenish grey (5G 4/1), equigranular with calcite veins and porphyroblasts also magnetite porphyroblasts, |

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|--------|--------|------|-----|--|
| | | | | medium to coarse grained, also minor foliated fine grained AMPHIBOLITE (or greenschist) 326.20 - 326.35 and 326.95 - 327.10, CSA 40 deg. |
| 331.40 | 336.40 | 4.80 | | AMPHIBOLITE, dark greenish grey (5G 4/1), fine to medium grained with calcite + magnesite porphyroblasts, equigranular with AMPHIBOLITE, dark greenish grey, foliated relatively low in calcite, 331.40 - 331.65, 332.10 - 332.20, 332.95 - 333.00, 333.15 - 333.20, 333.45 - 333.75, 334.15 - 334.40, 334.70 - 335.30, 335.50 - 335.58, 335.75 - 335.90, 336.00 336.65. |
| 336.40 | 337.00 | 0.40 | 66 | CALCITIC AMPHIBOLITE, banded with calcite with schistosity planes, dark greenish grey (5G 4/1). |
| 337.00 | 339.50 | 2.30 | | AMPHIBOLITE, dark greenish grey (5G 4/1) slightly foliated with magnetite and minor calcite porphyroblasts with CALCITIC AMPHIBOLITE. cf 336.40 - 337.00, 337.15, 337.40 - 337.50, 337.90 - 338.00 (with pygmatic quartz) and EQUIGRANULAR AMPHIBOLITE, 337.00 - 337.15, 337.17 - 337.40. |
| 339.50 | 341.30 | 1.65 | | SANDSTONE? dark greenish grey (5G 4/1) leach voids, with fine grained AMPHIBOLITE with magnetic porphyroblasts. |
| 341.30 | 343.20 | 1.70 | | CALCITIC GREENSCHIST, dark greenish grey (5G 4/1), calcite segregational in schistosity planes, with pyritic CHLORITE PHYLLITE with pygmatic quartz and dolomite, 341.80, 342.10 - 342.65. |
| 343.20 | 343.70 | 0.50 | 100 | AMPHIBOLITE? fine grained, equigranular calcite veins, magnetite, dark greenish grey (5G 4/1) |

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|--------|--------|------|-----|--|
| 343.70 | 345.70 | 2.0 | 100 | CALCITIC GREENSCHIST, cf 341.30 - 343.20, CSA 60 deg. |
| 345.70 | 347.50 | 1.20 | | CHLORITE PHYLLITE, with MAGNETITE CALCITE GREENSCHIST, dusky yellowish brown (10YR 2/2) and CALCITIC GREENSCHIST MAGNETITE with beds 40% of 345.80 - 346.10, 346.20 - 346.35 (with true chalcopyrite), 346.60 - 346.70. |
| 347.50 | 348.95 | 1.45 | | CHLORITE PHYLLITE, with SANDSTONE graded units to 2cm facing (some doubts in up hole). Thicker isolated units medium light grey intervals of thin units e.g. 348.00 - 348.10, 348.40 - 348.50 light brownish grey (5YR 6/1) to brownish black (5YR 2/1) CBA 70 deg. |
| 348.95 | 351.40 | 2.65 | | CALCITIC GREENSCHIST, with minor CHLORITE PHYLLITE with pygmatic quartz, and minor MAGNETITE-CALCITE GREENSCHIST. |
| 351.40 | 353.00 | 1.55 | | PYRITIC QUARTZ GREENSCHIST, dark greenish grey (5G 4/1) with fine grained MAGNETITE AMPHIBOLITE. Pyrite as clots of fine grained pyrite up to 2mm, Amphibolite greenish grey (5G 6/1), with euhedral magnetite porphyroblasts and minor pyrite 353.15 - 353.50, 352.65 - 353.00. |
| 353.00 | 353.35 | 0.35 | | CHLORITE SCHIST, brecciated, pyritic greenish grey (5G 5/1) with SILTSTONE? dark reddish brown (10R 3/4) at 253.12 and 253.20 - 253.22. MAGNETITE AMPHIBOLITE, fine grained, greenish grey (5G 6/1) with 0.2mm euhedral magnetite porphyroblasts, massive to slightly foliated with PYRITIC |

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|--------|--------|------|-----|---|
| | | | | GREENSCHIST, medium greenish grey #55/1), with pyrite aggregates to 2mm, 354.60 - 355.10, 357.15 - 357.25, and CALCITIC GREENSCHIST 357.50 - 357.60. |
| 358.10 | 360.30 | 1.85 | | CALCITIC GREENSCHIST grading to DOLOMITIC GREENSCHIST, with carbonates segregated in schistosity planes, with PYRITIC GREENSCHIST, 358.15 - 358.35, 359.40 - 359.80, 359.90 - 359.95 and with fine grained MAGNETITE AMPHIBOLITE, 359.10 - 359.25, CSA 70 deg. |
| 360.30 | 361.85 | 1.30 | | DOLOMITIC GREENSCHIST, dolomite rich with some calcite, dark greenish grey (5GY 4/1) with DOLOMITE BRECCIA with MAGNETITE PYRITE, magnesite, quartz, chlorite, with greyish orange (10YR 7/4) patina, 360.30 - 360.37, 360.42 - 360.44, at 360.62, 360.78 - 360.80, 360.82 - 360.93 (short core loss). At 361.30, 361.50 - 361.54, 361.75 - 361.80. |
| 361.85 | 362.90 | 1.15 | | MAGNETITE bearing DOLOMITE BRECCIA greyish orange (10YR 7/4) patina, with magnetite (chlorite, quartz and pyrite, large pyrite clots 361.88 - 361.91. |
| 362.90 | 362.92 | 0.02 | 100 | MAGNETITE- DOLOMITE - PYRITE ROCK dusky yellowish brown (10YR 2/2) with dolomite greyish orange (10YR 7/4), thin layers of each mineral. |
| 362.92 | 369.00 | 6.00 | | CALCITIC GREENSCHIST, dark greenish grey (5G 4/1) grading to CHLORITE SCHIST with ptigmatic quartz. MAGNETITE porphyroblasts CALCITE laminal in schistosity planes. Also MAGNETITE GREENSCHIST (BROWNISH) 366.85 - 367.10 367.55, 368.50 - 368.65 and also DOLOMITE with magnetite at 368.70 369.16 - 369.22. CRA 75 deg. |

END

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| | | | orange (10YR 6/6) interpreted as (a) siliceous replacement of magnesite rock and (b) partially replaced magnesite rock with subsequent leaching. |
| 47.00 | 50.20 | 3.20 | Finely laminated, medium dark grey (N4) "chert?" with numerous 1 - 2mm wide carbonate veinlets and remnant, ghost sand grains. |
| 50.20 | 50.80 | 0.40 | CORE LOSS, rubble retained consists of vein quartz and chlorite phyllite |
| 50.80 | 51.30 | 0.40 | Medium bluish grey (5B 5/1), chloritic phyllite, numerous leach voids suggesting carbonate filled fractures 10cm core loss at 51.20. |
| 51.30 | 52.00 | 0.70 | MAGNESITE ROCK, finely crystalline, very light grey (N8) with a 20cm basal band of moderate yellowish brown (10YR 5/4) talc. |
| 52.00 | 52.60 | 0.60 | Extensive CORE LOSS, rubble retained-sponge quartz, laminated chert and chloritic phyllite. |
| 52.60 | 60.20 | 7.60 | MAGNESITE ROCK, consisting of large white (N9) "clasts" of cryptocrystalline magnesite set in a light grey (N8 to N7) matrix of finely crystalline, more "granular" magnesite. Sporadic infilling of tension veins by coarse carbonate (i.e. 55.40m). From 58.20 to 59.30 the fine, grey carbonate predominates, however the few magnesite "clasts" present have now become pale yellowish orange (10YR 8/6) and the grain size of these clasts is coarse. |
| 60.20 | 60.60 | 0.40 | Olive grey (5Y 4/1) talcose, chloritic schist. |
| 60.60 | 66.45 | 5.85 | MAGNESITE ROCK, cryptocrystalline |

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|-------|-------|-------|--|
| | | | pale yellowish orange (10YR 8/6) magnesite "clasts" set in light grey (N8), fine to medium crystalline magnesite. |
| 66.45 | 66.70 | 0.25 | Brownish grey (5YR 4/1) TALC enclosing small pale yellowish orange magnesite "clasts". Pyrite present 1-2%. |
| 66.70 | 69.50 | 2.80 | MAGNESITE ROCK, cf 60.6 to 66.4 towards the bottom of this interval the magnesite, verges on a TALC MAGNESITE SCHIST. A 5cm band of Talc/chlorite green-schist with quartz at 68.20m. |
| 69.50 | 70.60 | 1.10 | Chloritic, talc rich phyllite, dark greenish grey (5GY 4/1), CBA 45 deg. |
| 70.60 | 84.40 | 13.80 | MAGNESITE ROCK, yellowish orange "clasts" are no longer evident. This interval is composed of finely crystalline, white (N9) magnesite and the more "granular" Very light grey magnesite in approx. equal proportions. |
| 84.40 | 89.90 | 5.20 | MAGNESITE ROCK, absence of brilliant white magnesite and a return to pale yellowish orange (10YR 8/6) clasts within the light grey magnesite Talcose in part (89.10 - 89.40). |
| 89.90 | 93.40 | 3.50 | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1). Metamorphic segregation of dolomite into the schistosity planes. CSA 40 deg. Dolomitic Gash and tension veins are present at varying angles to the schistosity Pyrite is disseminated at 5%. |
| 93.40 | 97.00 | 3.60 | A gradational boundary exists between the dolomitic greenschist and this interval of MAGNESITE. From 93.40 to 96.40 a cosmopolitan assemblage of very pale grey (N8) to greyish orange |

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|--------|--------|--|
| | | (10YR 7/4) magnesite, with numerous blotches of pure white (N9) magnesite, forming 20% of this interval. Dark yellowish brown (10YR 4/2) TALC bands are present i.e. 94.10 & 94.50. The remainder of the interval is composed of fine to medium crystalline, medium grey (N5) magnesite with minor pyrite (<1%) |
| 97.00 | 100.70 | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) with quartz segregations. Pyrite is found infilling small hairline fractures. |
| 100.70 | 103.00 | MAGNESITE ROCK, light bluish grey (5B 7/1), finely crystalline magnesite, with very light grey (N8) magnesite blotches, which have weathered to pale yellowish orange (10YR 8/6) at the base of this interval. At 102.30 there is a 10cm wide assemblage of quartz, magnesite and dolomite (?) with abundant pyrite present around the boundaries of these minerals. |
| 103.00 | 103.50 | DOLOMITIC GREENSCHIST, cf 89.90 - 93.40. |
| 103.50 | 109.70 | MAGNESITE ROCK, light bluish grey (5B 7/1) to medium grey (N5) magnesite forming the "matrix" with larger "clasts" of pale yellowish orange magnesite. Tension veins have been infilled with light olive grey (5Y 6/1) coarse carbonate, and, minor gash veins filled with pure white (N9) magnesite. |
| 109.70 | 111.90 | DOLOMITIC GREENSCHIST, dark greenish grey (5G 4/1) with a few 2mm wide CALCITIC bands defining the schistosity. |
| 111.90 | 114.10 | MAGNESITE ROCK, finely to |

- moderately crystalline, white (N9) to very pale grey (N8). Towards the base of this interval, the rock is composed of greyish orange "matrix" with pure white (N9) blotches and veinlets of magnesite.
- 114.10 114.30 CORE LOSS, rubble retained composed of greyish orange magnesite (10YR 7/4) and a 3cm band of Talc rich white clay. Greenschist cavings present.
- 114.30 114.70 MAGNESITE, return to greyish orange and pure white magnesite.
- 114.70 115.20 DOLOMITIC GREENSCHIST, cf 89.90 - 93.40.
- 115.20 116.00 Extensive CORE LOSS. Core retained:- MAGNESITE ROCK, moderate yellowish brown (10YR 5/4) blotches sitting in a light bluish grey (5B 7/1) finely crystalline magnesite.
:- MAGNESITE BRECCIA, a small 10cm band, composed of angular pieces of moderate yellowish brown magnesite, set in a matrix of recrystalline coarse carbonate (considered MAGNESITE).
- 116.00 120.30 MAGNESITE ROCK, consisting of large white (N9) "clasts" of cryptocrystalline magnesite set in a light grey (N8 to N7) matrix of finely crystalline, "coarser" magnesite.
- 120.30 133.30 Dark greenish grey (5G 4/1) to medium bluish grey (5B 5/1) dolomitic greenschist. Dolomite present as discrete vein as well as in the metamorphic layering. Pyrite is both disseminated and found along the schistosity planes from 123.00 - 123.60 fine to medium crystalline MAGNESITE ROCK, light grey (N7) to pale

yellowish orange (10YR 8/6).

| | | |
|--------|--------|---|
| 133.30 | 135.90 | MAGNESITE ROCK, fine to medium crystalline, dark to moderate yellowish brown (10YR 5/4) with blotches of finely crystalline white (N9) magnesite. GASH veins filled with white to clear, coarse carbonate are present. |
| 135.90 | 137.80 | DOLOMITIC GREENSCHIST, cf 120.30 - 133.30 CSA 45 deg. |
| 137.80 | 168.80 | MAGNESITE ROCK, composition varies rapidly between:- (a) fine to medium, yellowish brown (10YR 5/4) with blotches of fine crystalline white (N9) magnesite. (b) finely crystalline, pale yellowish orange (10YR 8/6) magnesite, set in a relatively "coarser" light bluish grey (5B 7/1) magnesite. Gash and tension veins infilled with coarse carbonate (magnesite). A 1.00m pyritic greenschist interval exists at 160.00 - 161.00. The remaining 6.7 of this interval includes a 6m cavity. |
| 168.80 | 178.10 | Substantial CORE LOSS due to fracturing of core. Greyish green PHYLLITE with leach voids along the foliation planes suggestive of dolomite. Notable absence of pyrite (<<1%). Some magnesite cavings present. |
| 178.10 | 178.40 | MAGNESITE ROCK, moderate to coarsely, crystalline, light bluish grey magnesite. |

END OF HOLE.

REPORT ON FIELD INVESTIGATIONS WITHIN

EXPLORATION LICENCE 4/61

WEST COAST, TASMANIA

BY

9966/86

R.W. ANNETT, C.H.C. SHANNON, L. VANZINO

VOLUME II

MICROFILMED

SAVAGE RESOURCES LIMITED
Incorporated in Tasmania

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E.L. 4/61 BOUNDARY

92 195

5390 000

5388 000

E.L. 5/84

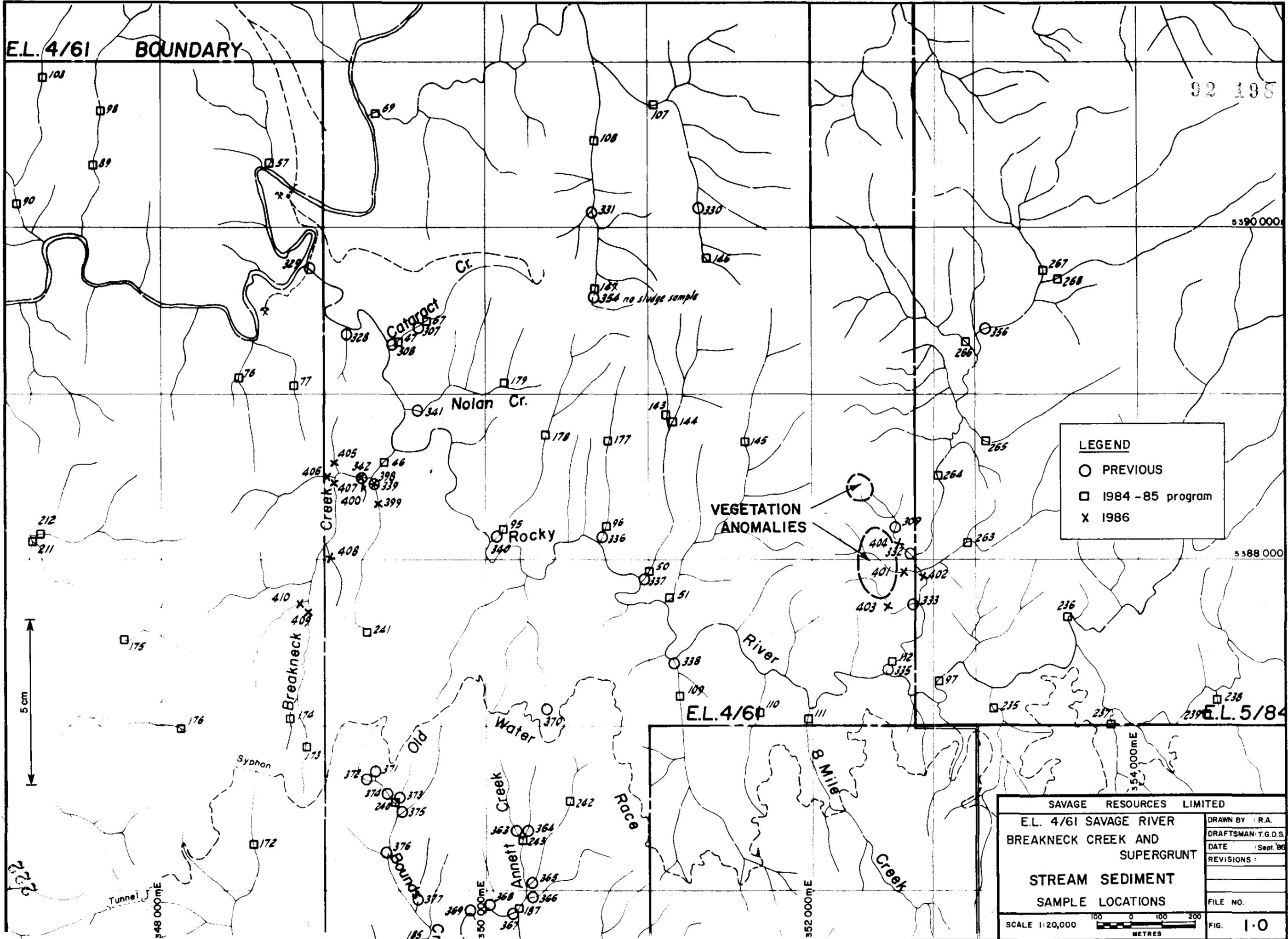
LEGEND

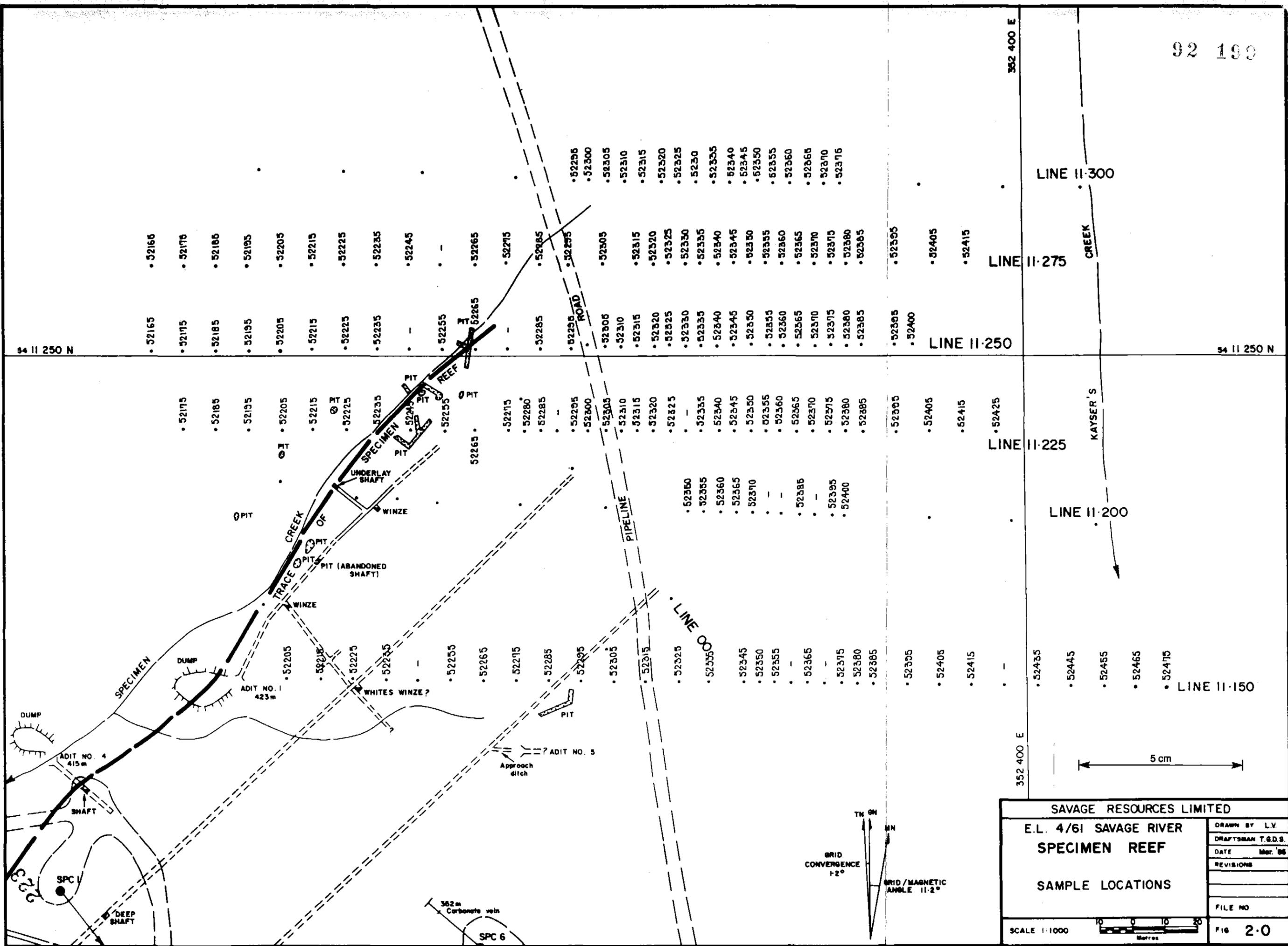
- PREVIOUS
- 1984 - 85 program
- x 1986

VEGETATION ANOMALIES

5 cm

| | |
|---|-------------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER BREAKNECK CREEK AND SUPERGRUNT | |
| STREAM SEDIMENT SAMPLE LOCATIONS | |
| SCALE 1:20,000 | 100 0 100 200 METRES |
| DRAWN BY : R.A. | FIG. 1.0 |
| DRAFTSMAN : T.G.D.S. | |
| DATE : Sept. '86 | |
| REVISIONS : | |
| FILE NO. | |





| | |
|---|--|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER SPECIMEN REEF | |
| SAMPLE LOCATIONS | |
| SCALE 1:1000 | |
| DRAWN BY L.V. DRAFTSMAN T.G.D.S. DATE Mar. '86 REVISIONS FILE NO FIG 2.0 | |

225

49 550mE

49 600mE

49 650mE

49 700mE

350° mag.

49 600 E

DDH 85 - GR3
350m ASL

CROCKFORDS TUNNEL

Dump

2000N

49 402 100mN

1995

1990

1985

1980

1978

1970

1968

1960

1958

1950

1948

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1790

1785

1780

BATTYS' ADIT

1980N

1960N

1940N

1920N

1900N

LITTLE DUFFER CK

1880 N

TALKING ADIT

1860 N

1840 N

1820 N

1800 N

1780 N

COX'S FACE FORMATION

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1845

1840

1835

1830

1825

1820

1815

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1805

1800

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1785

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COX'S FACE

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1445

1440

1435

1430

1425

1420

1415

1410

1405

1400

1395

1390

1385

1380

1375

1370

1365

1360

1355

1350

1345

1340

1335

1330

1325

1320

1315

1310

1305

1300

1295

1290

1285

1280

1275

1270

1265

1260

1255

1250

1245

1240

1235

1230

1225

1220

1215

1210

1205

1200

1195

1190

1185

1180

1175

1170

1165

1160

1155

1150

1145

1140

1135

1130

1125

1120

1115

1110

1105

1100

1095

1090

1085

1080

1075

1070

1065

1060

1055

1050

1045

1040

1035

1030

1025

1020

1015

1010

1005

1000

995

990

985

980

975

970

965

960

955

950

945

940

935

930

925

920

915

910

905

900

895

890

885

880

875

870

865

860

855

850

845

840

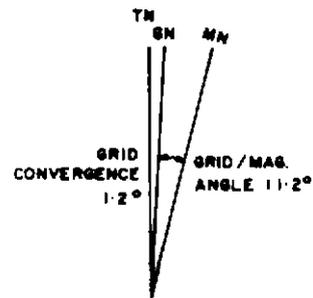
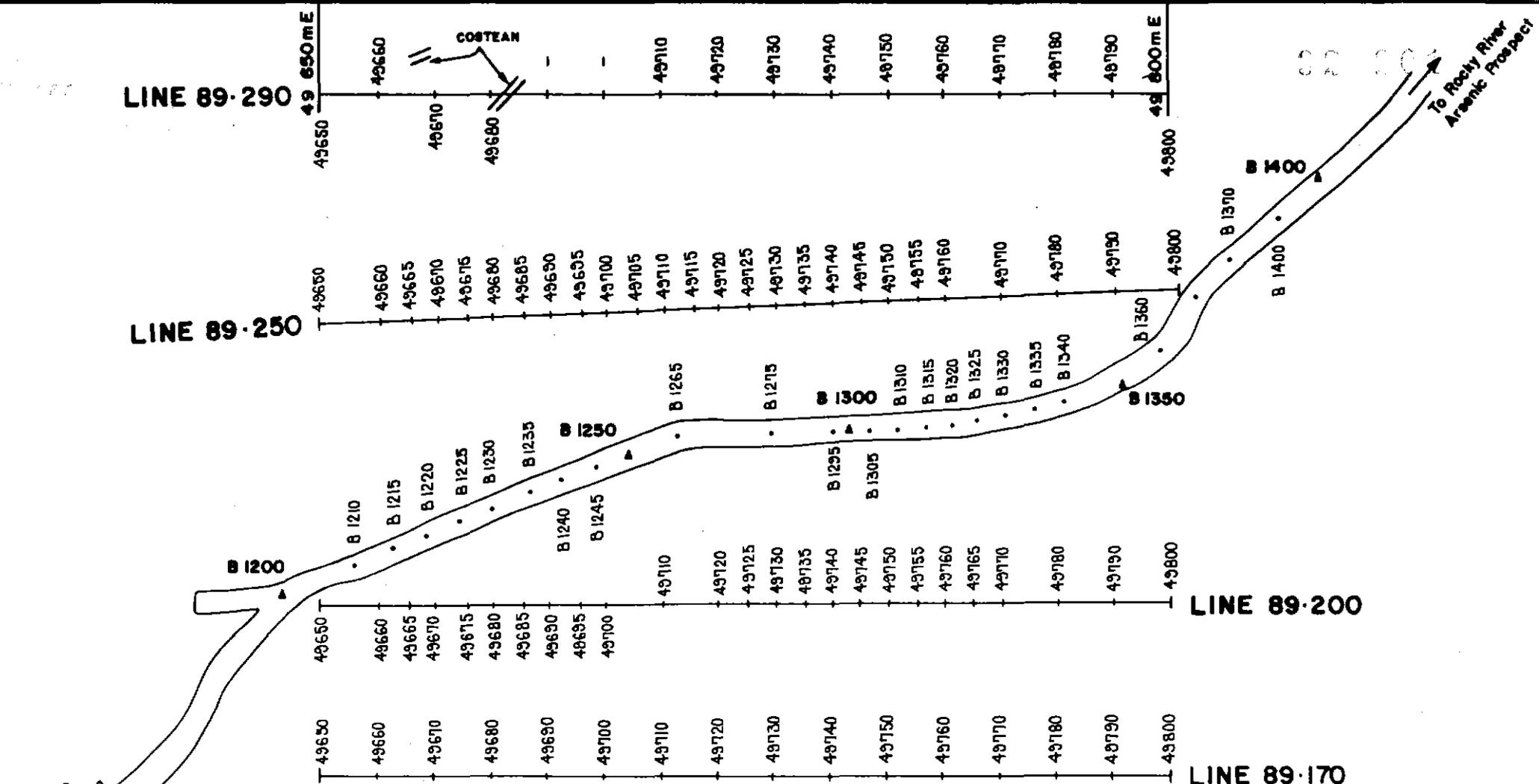
835

830

825

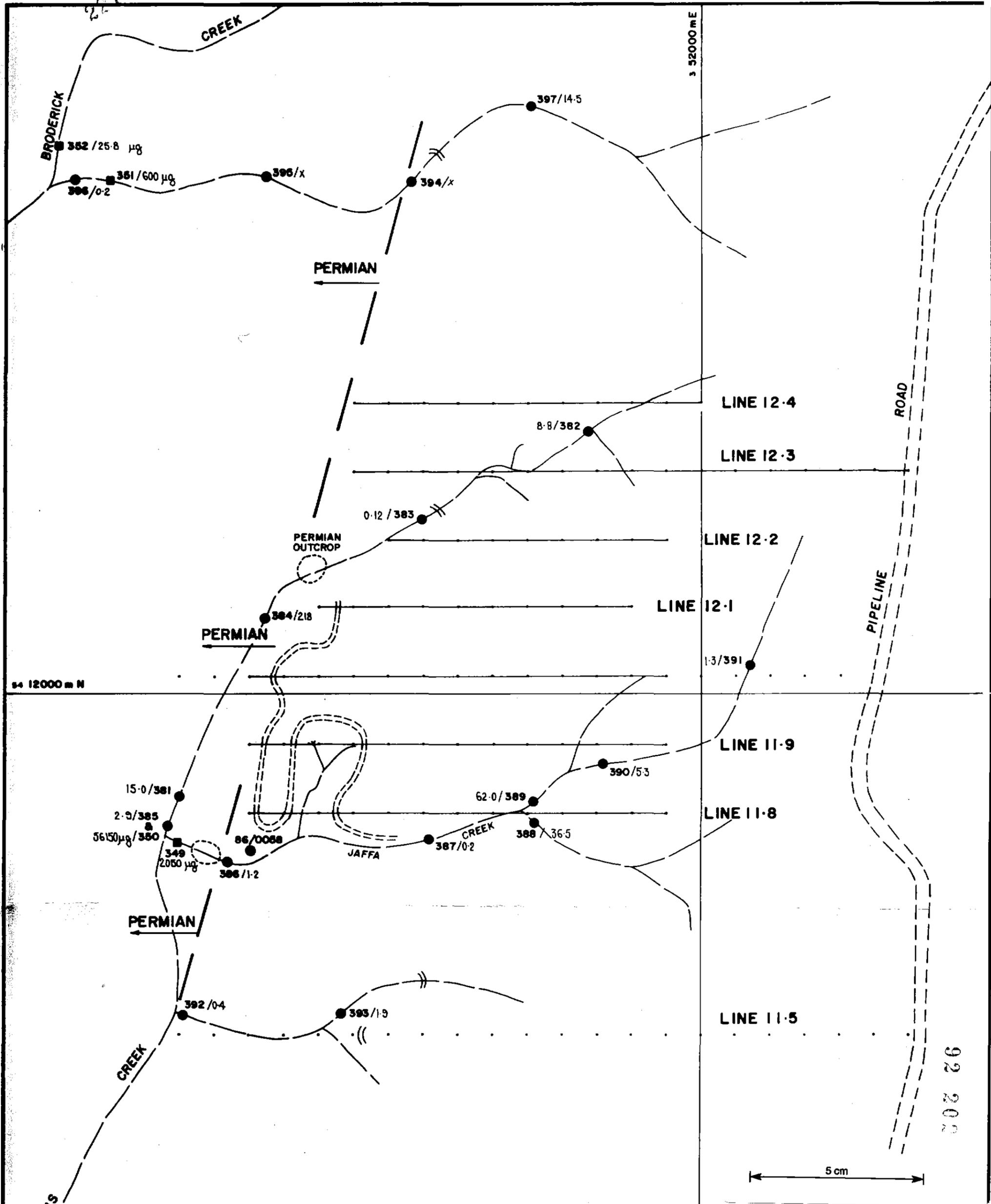
820

2323



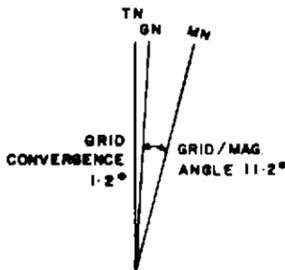
| | |
|--|----------------|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER FIDDLESTICKS | |
| SAMPLE LOCATIONS | |
| DRAWN BY : L.V. | DATE : Mar '86 |
| REVISIONS : | |
| FILE NO. | |
| SCALE 1:1000 | FIG. 4.0 |





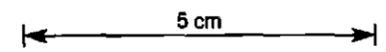
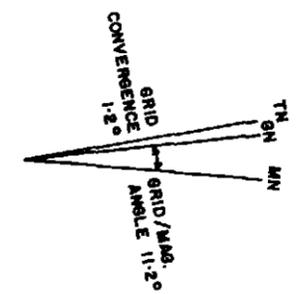
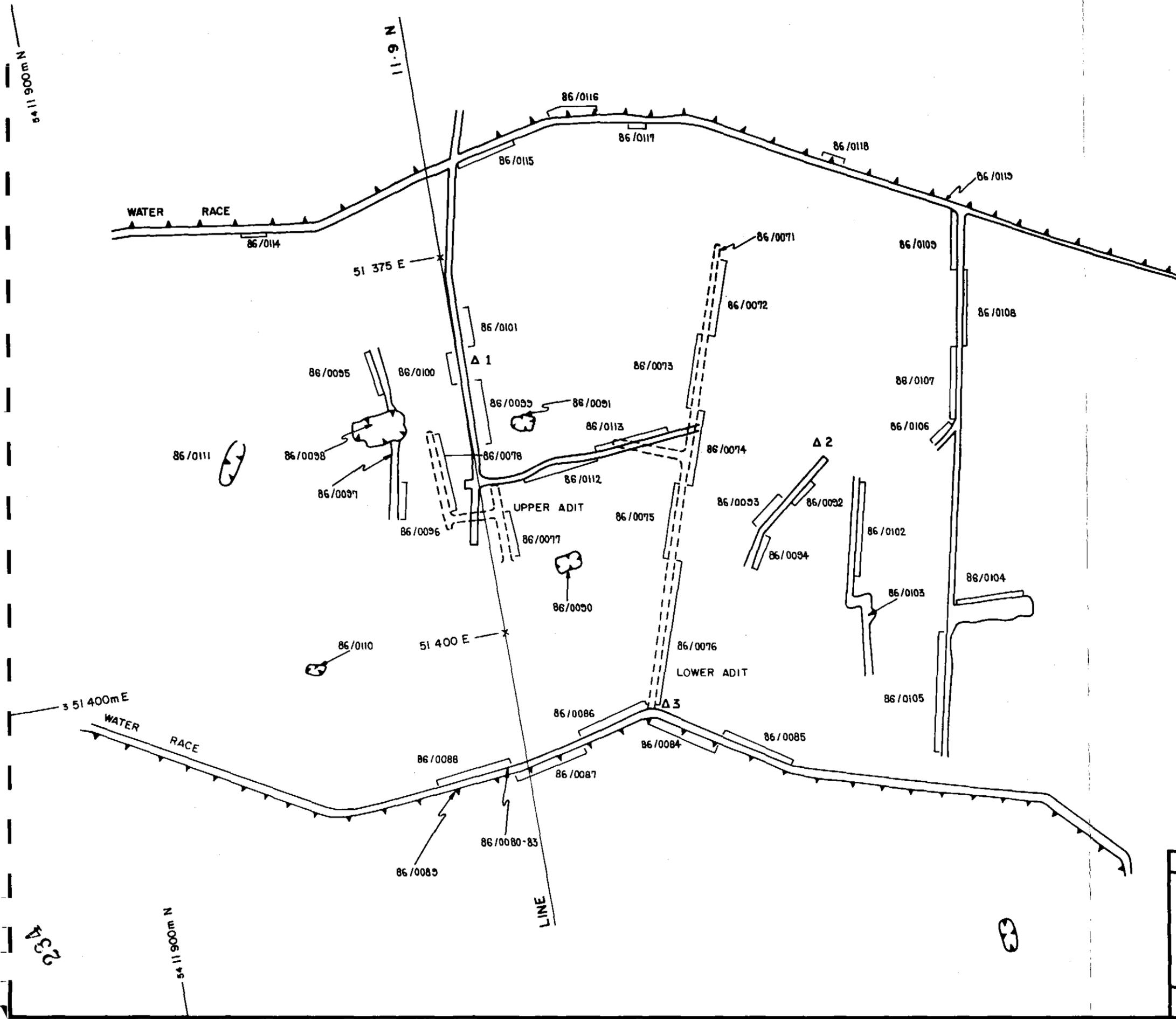
LEGEND

- H.M. Series Sampling
- 1985 - '86 program, gold in ppm
- Previous, gold as µg
-)) Known position of watercourse.



| | |
|-----------------------------|-----------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| SAMPLE LOCATION | |
| AND | |
| PANNED H.M. CONCENTRATE | |
| GOLD VALUES | |
| SCALE 1:5000 | 50 0 50 100 METRES |
| DRAWN BY L.V. | FILE NO |
| DRAFTSMAN T.S.D.S. | DATE Mar. '86 |
| REVISIONS | |
| FIG. 5-0 | |

92 202

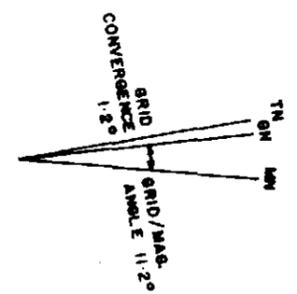
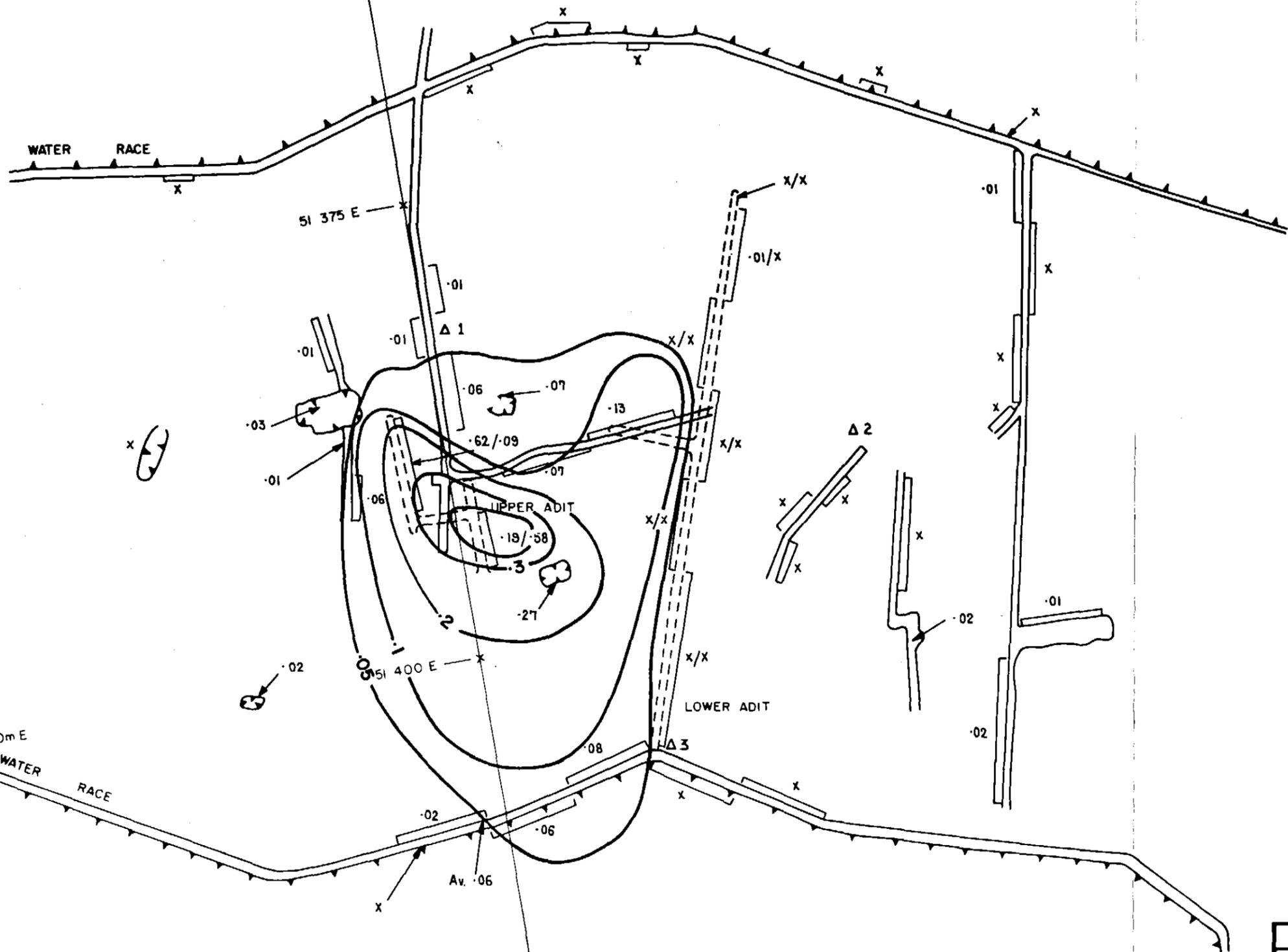


| | |
|---|--|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER | |
| DAVIS CREEK | |
| MINE WORKINGS | |
| SAMPLE LOCATION | |
| SCALE 1:250 | |
| DRAWN BY: R.A. DRAFTSMAN: T.G.D.S. DATE: May '86 REVISIONS: FILE NO.: FIG. 5-7 | |

432

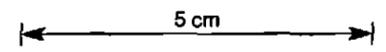
54 11 900 m N

11.9 N



51 400 m E

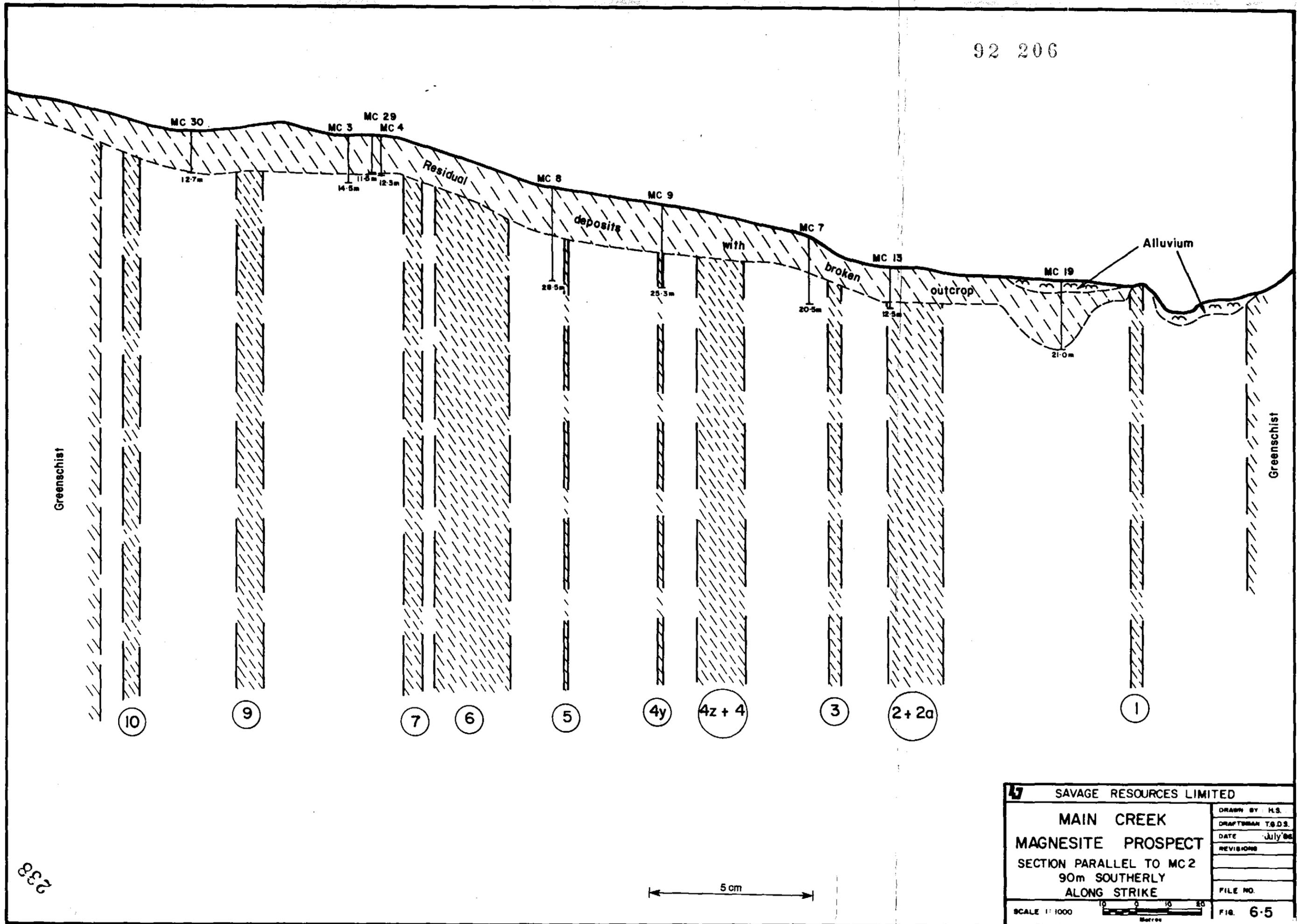
51 400 m E



| | |
|--------------------------|--------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER | DRAWN BY : |
| DAVIS CREEK | DRAFTSMAN T.G.D.S. |
| MINE WORKINGS | DATE : May '86 |
| GOLD VALUES IN PPM | REVISIONS : |
| SCALE 1:250 | FILE NO. |
| 2.5 0 2.5 5 METRES | FIG. 5.8 |

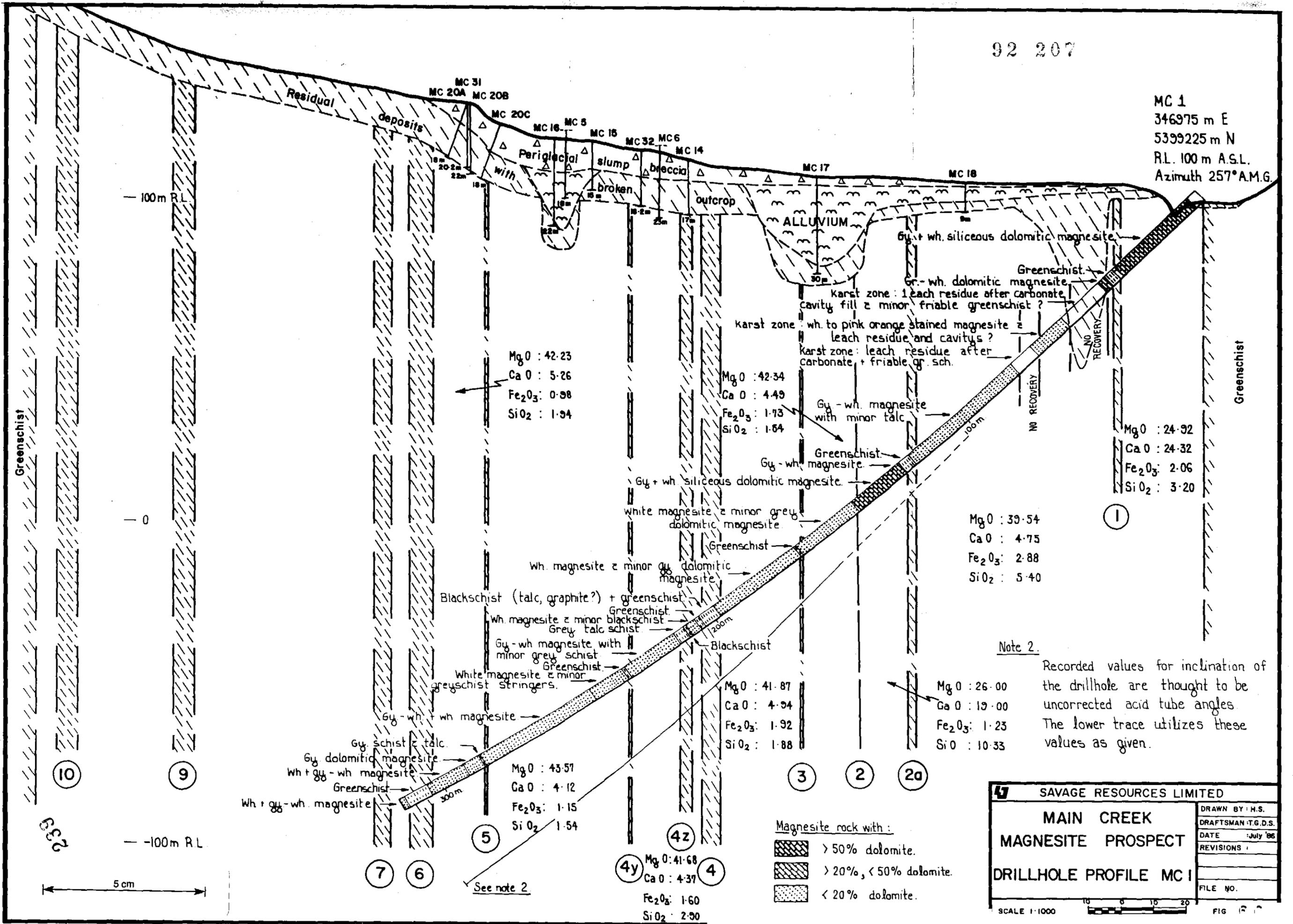
235

54 11 900 m N



| | |
|---|-----------|
| SAVAGE RESOURCES LIMITED | |
| MAIN CREEK MAGNESITE PROSPECT | |
| SECTION PARALLEL TO MC 2 90m SOUTHERLY ALONG STRIKE | |
| SCALE 1:1000 | FIG. 6-5 |
| DRAWN BY H.S. | REVISIONS |
| DRAFTSMAN T.G.D.S. | FILE NO. |
| DATE July '86 | |

233



MC 1
 346975 m E
 5399225 m N
 R.L. 100 m A.S.L.
 Azimuth 257° A.M.G.

MgO : 42.23
 CaO : 5.26
 Fe₂O₃ : 0.98
 SiO₂ : 1.94

MgO : 42.34
 CaO : 4.49
 Fe₂O₃ : 1.73
 SiO₂ : 1.54

MgO : 24.32
 CaO : 24.32
 Fe₂O₃ : 2.06
 SiO₂ : 3.20

MgO : 39.54
 CaO : 4.75
 Fe₂O₃ : 2.88
 SiO₂ : 5.40

MgO : 41.87
 CaO : 4.94
 Fe₂O₃ : 1.92
 SiO₂ : 1.88

MgO : 26.00
 CaO : 19.00
 Fe₂O₃ : 1.23
 SiO₂ : 10.33

MgO : 43.57
 CaO : 4.12
 Fe₂O₃ : 1.15
 SiO₂ : 1.54

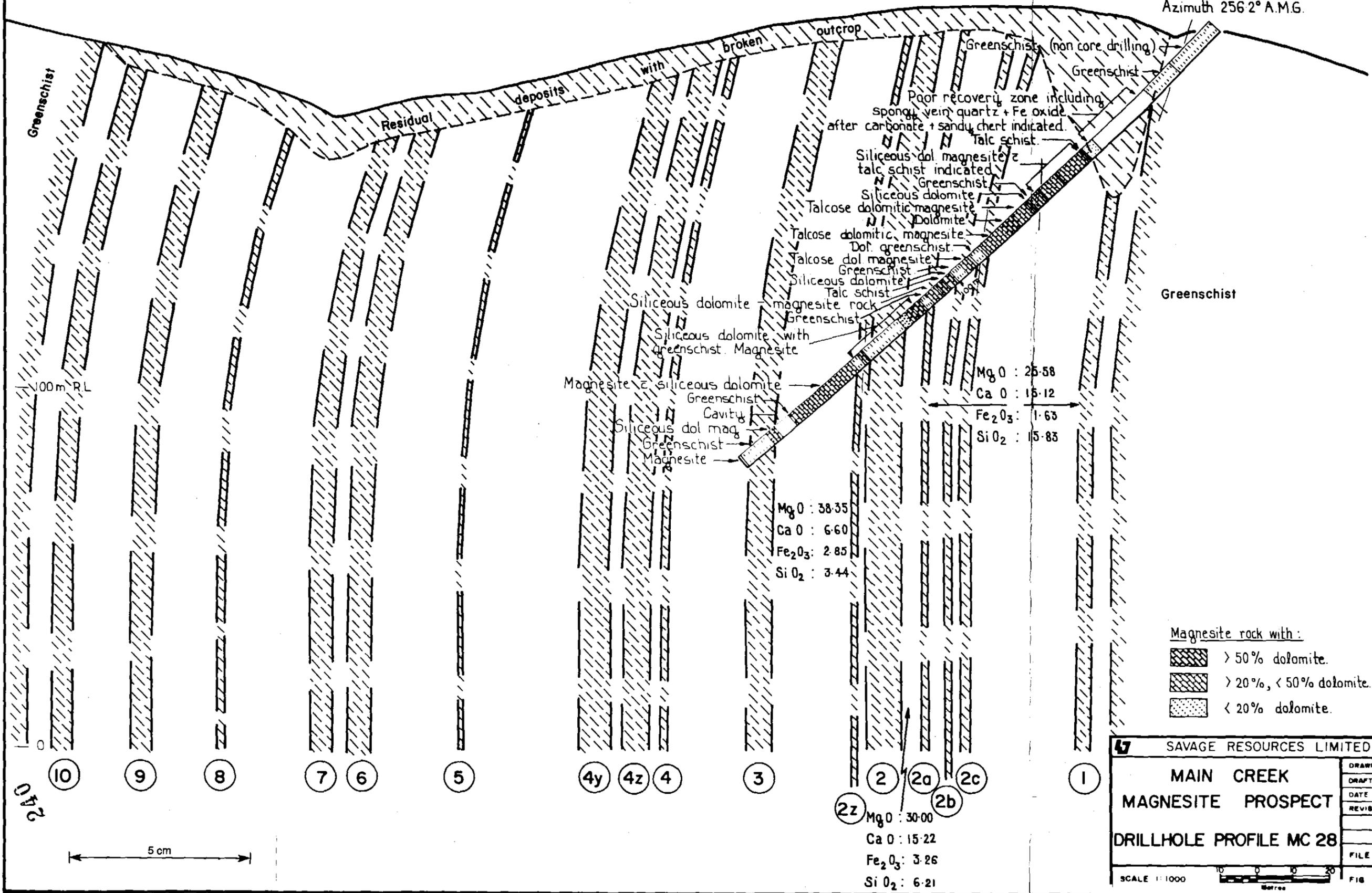
MgO : 41.68
 CaO : 4.37
 Fe₂O₃ : 1.60
 SiO₂ : 2.90

Note 2.
 Recorded values for inclination of the drillhole are thought to be uncorrected acid tube angles. The lower trace utilizes these values as given.

Magnesite rock with:
 [Pattern] > 50% dolomite.
 [Pattern] > 20%, < 50% dolomite.
 [Pattern] < 20% dolomite.

| | |
|--|----------|
| SAVAGE RESOURCES LIMITED | |
| MAIN CREEK MAGNESITE PROSPECT | |
| DRILLHOLE PROFILE MC 1 | |
| DRAWN BY: H.S. | FILE NO. |
| DRAFTSMAN: T.G.D.S. | |
| DATE: July 86 | |
| REVISIONS: | |
| SCALE 1:1000 | |

92 208
 MC 28
 346775 m E
 5499675 m N
 R.L. 200m A.S.L.
 Azimuth 256.2° A.M.G.



Magnesite rock with:

- > 50% dolomite.
- > 20%, < 50% dolomite.
- < 20% dolomite.

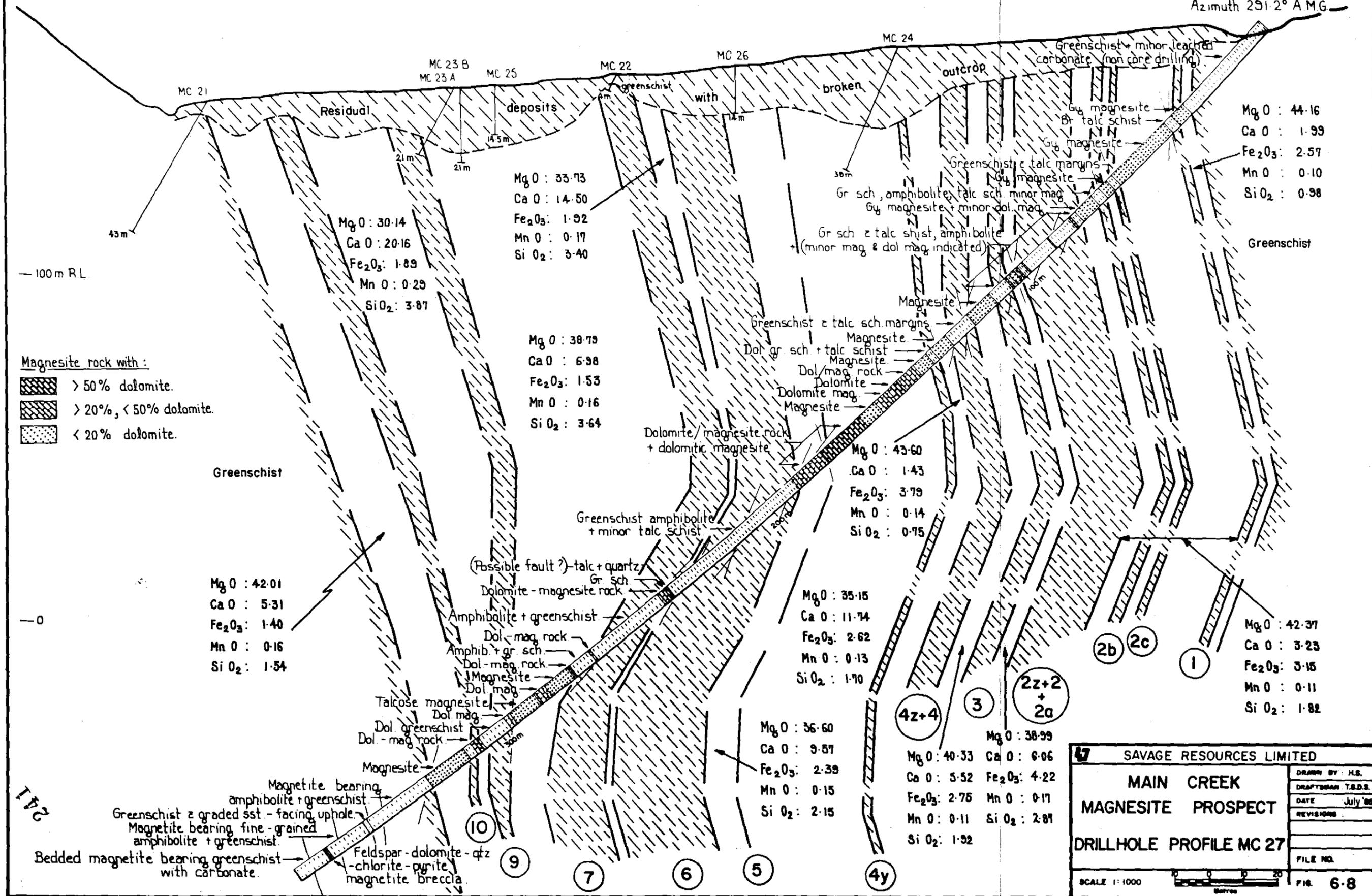
| | |
|--|--------------------|
| SAVAGE RESOURCES LIMITED | |
| MAIN CREEK MAGNESITE PROSPECT | |
| DRILLHOLE PROFILE MC 28 | |
| DRAWN BY H.S. | DRAFTSMAN T.G.D.S. |
| DATE July '86 | REVISIONS |
| FILE NO. | FIG 6-7 |

SCALE 1:1000

MC 27
 346650 m E
 5400775 m N
 RL 170 m ASL
 Azimuth 291 2° A.M.G.

92 200

5 cm



Magnesite rock with:

- > 50% dolomite.
- > 20%, < 50% dolomite.
- < 20% dolomite.

MgO : 44.16
 CaO : 1.99
 Fe₂O₃ : 2.57
 MnO : 0.10
 SiO₂ : 0.98

MgO : 30.14
 CaO : 20.16
 Fe₂O₃ : 1.89
 MnO : 0.29
 SiO₂ : 3.87

MgO : 33.73
 CaO : 14.50
 Fe₂O₃ : 1.92
 MnO : 0.17
 SiO₂ : 3.40

MgO : 38.79
 CaO : 6.98
 Fe₂O₃ : 1.53
 MnO : 0.16
 SiO₂ : 3.64

MgO : 43.60
 CaO : 1.43
 Fe₂O₃ : 3.79
 MnO : 0.14
 SiO₂ : 0.75

MgO : 42.01
 CaO : 5.31
 Fe₂O₃ : 1.40
 MnO : 0.16
 SiO₂ : 1.54

MgO : 35.15
 CaO : 11.74
 Fe₂O₃ : 2.62
 MnO : 0.13
 SiO₂ : 1.70

MgO : 42.37
 CaO : 3.23
 Fe₂O₃ : 3.15
 MnO : 0.11
 SiO₂ : 1.82

MgO : 36.60
 CaO : 9.57
 Fe₂O₃ : 2.39
 MnO : 0.15
 SiO₂ : 2.15

MgO : 38.99
 CaO : 6.06
 MgO : 40.33
 CaO : 5.52
 Fe₂O₃ : 4.22
 MnO : 0.17
 SiO₂ : 2.87
 Fe₂O₃ : 2.75
 SiO₂ : 1.92

| | |
|--|----------------|
| SAVAGE RESOURCES LIMITED | |
| MAIN CREEK MAGNESITE PROSPECT | |
| DRIVEN BY: H.S. | DATE: July '86 |
| DRAFTSMAN: T.S.D.S. | REVISIONS: |
| FILE NO. | |
| SCALE 1:1000 | FIG. 6-8 |

242

242

92 210

3 49 700 m E

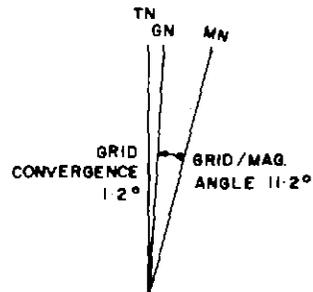
53 93 400 m N

86/0067

Collapse
LEVEL NO. 1

Boiler □ 8m NEW SHAFT

To camp, winder frame
and pack track.



STRIKE OF
LODE
~N 20° W

MILE

Collapse

TUNNEL NO. 1

Spring

86/0070

86/0068

WHYTE RIVER

86/0065

86/0063

86/0059

86/0062

MAIN ADIT

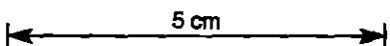
86/0064

86/0069

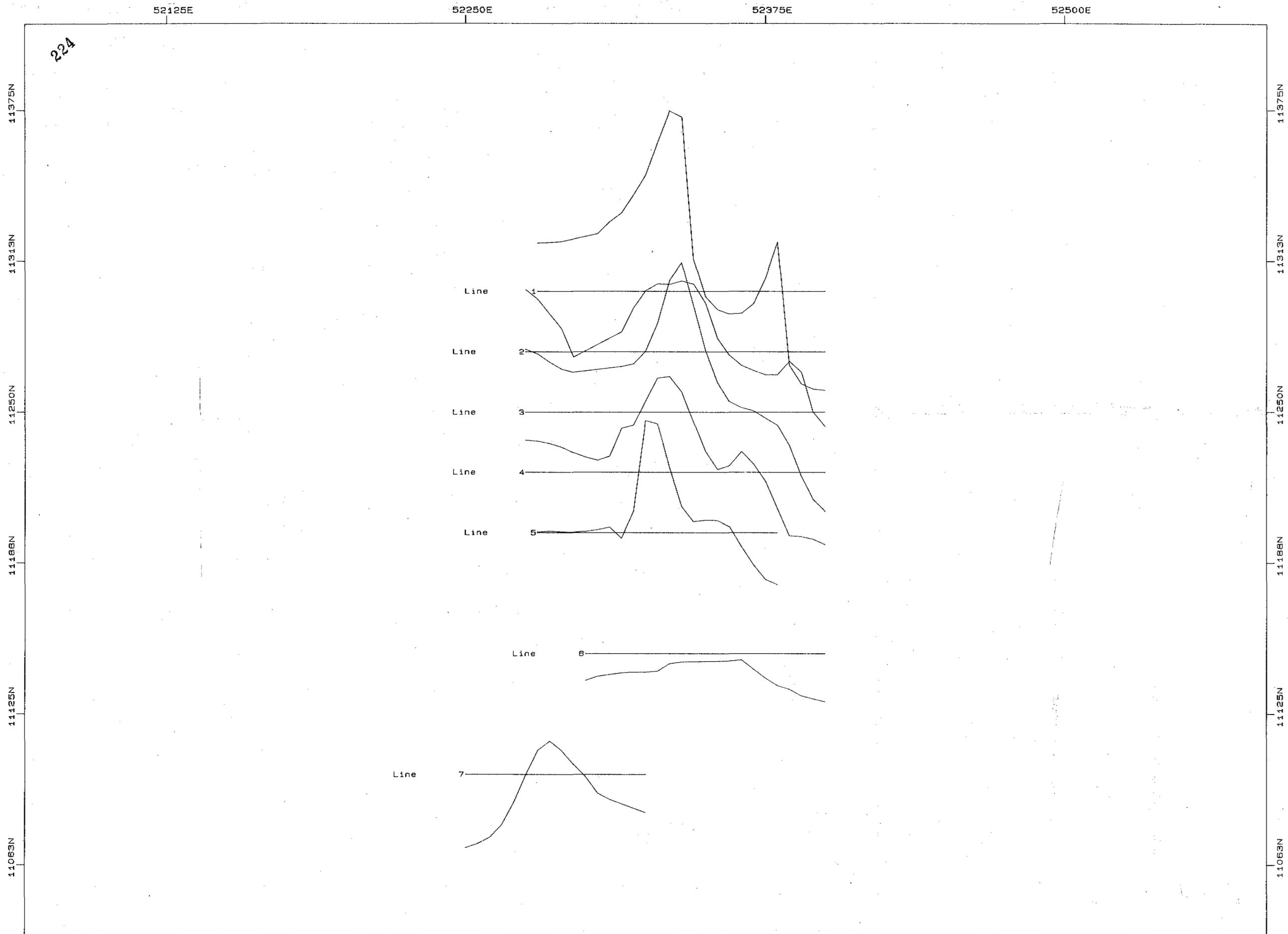
86/0061

53 93 000 m N

3 49 700 m E



| | |
|---|---------|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER CAPE COPPER MINE WORKINGS AND SAMPLE LOCATIONS | |
| DRAWN BY R.A. | |
| DRAFTSMAN T.G.D.S. | |
| DATE Aug '86 | |
| REVISIONS | |
| FILE NO | |
| SCALE 1:2000 | |
| | FIG 7-0 |



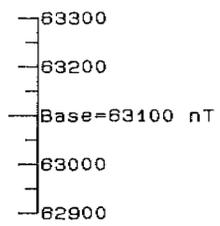
52125E 52250E 52375E 52500E

11375N 11313N 11250N 11188N 11125N 11063N

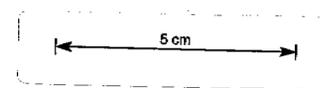
SAVAGE RESOURCES LTD.
 SAVAGE RIVER, TASMANIA
 SPECIMEN REEF (JOB NO.631A)
 Map scale is 1: 1000.

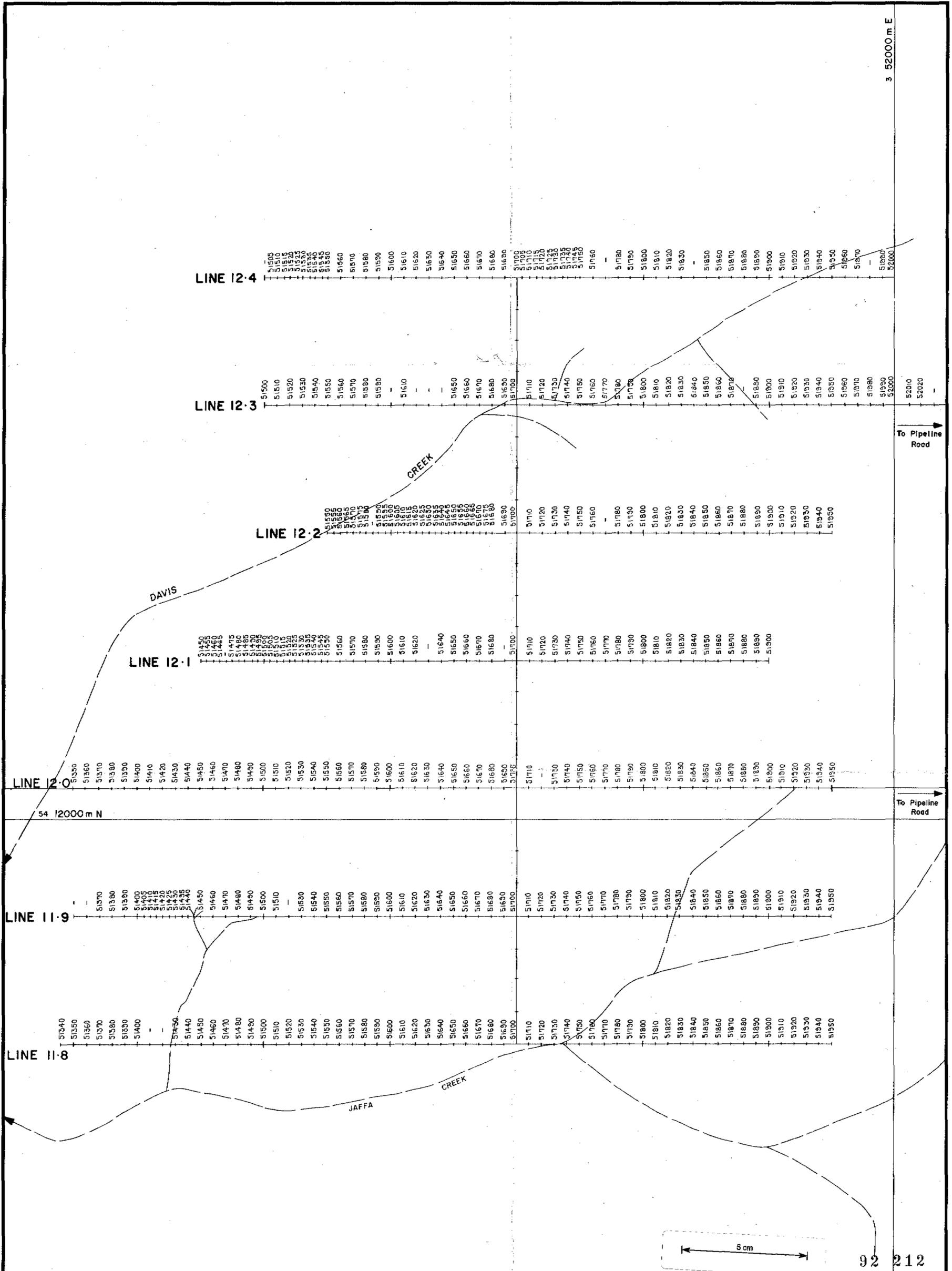
MAGNETICS STACK PROFILE

Magnetics scale : 1cm= 100. nT Magnetics base value is 63100. nT
 Plotted on 11:26 AM THU., 26 JUNE, 1986 by Solo Geophysics
 Surveyed by Savage Resources Ltd. From 200586 to 200586

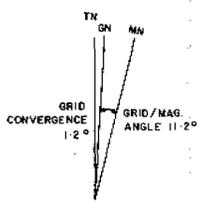


Scale : 1cm= 10m





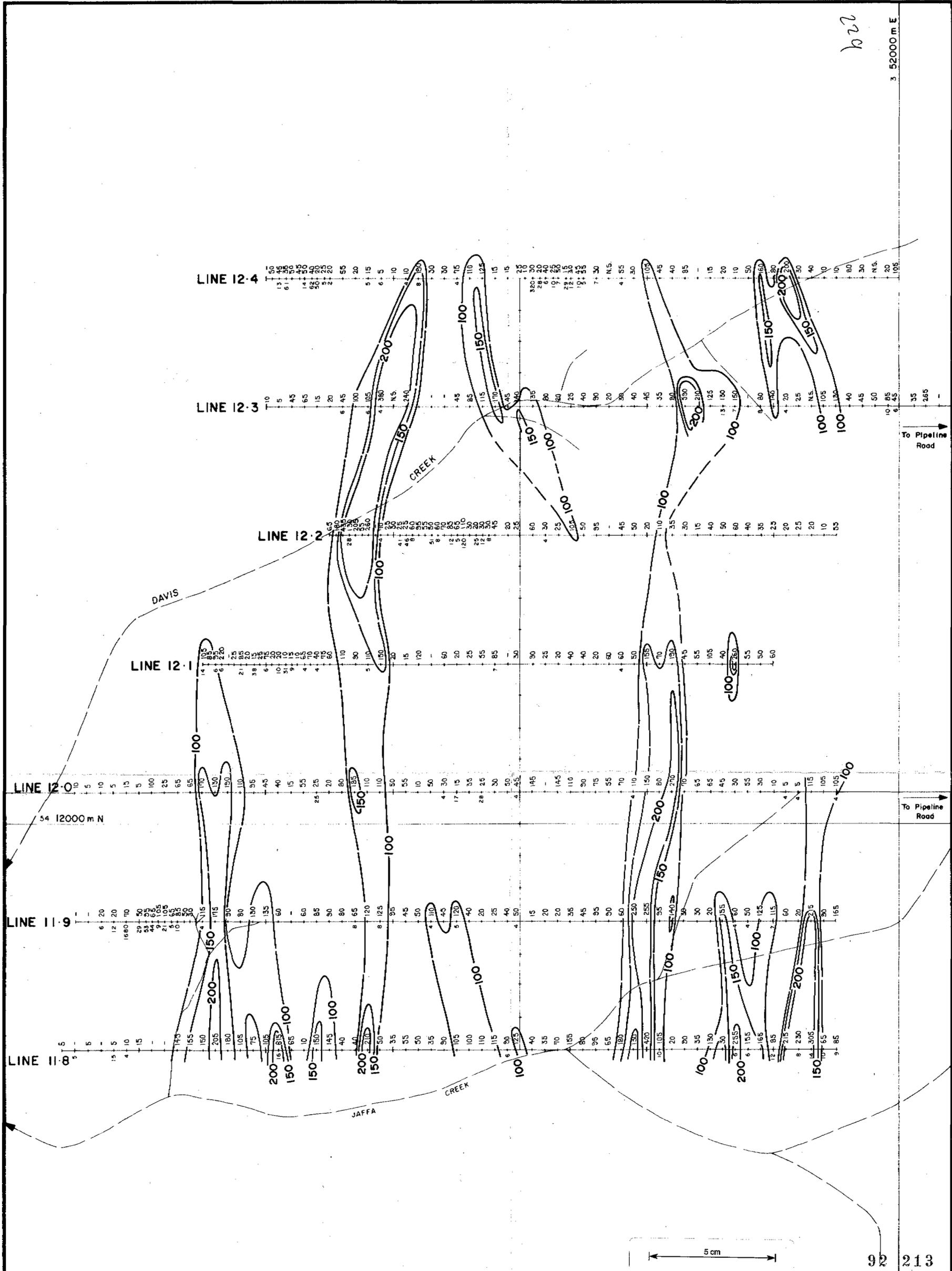
228



| | |
|------------------------------|-----------------|
| SAVAGE RESOURCES LIMITED | |
| E.L 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| SOIL SAMPLE LOCATIONS | |
| DRAWN BY: L.V. | DATE: Sep. 1986 |
| DRAFTSMAN: T.G.D.S. | |
| REVISIONS: | |
| FILE NO.: | |
| SCALE 1:2000 | |
| | |
| 92 212 | |
| FIG. 5-1 | |

222

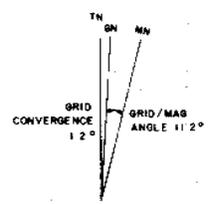
3 52000 m E



222

LEGEND

| | | |
|----|-----|--------|
| 6 | 105 | Cu ppm |
| 14 | 85 | |
| 21 | 210 | Au ppb |



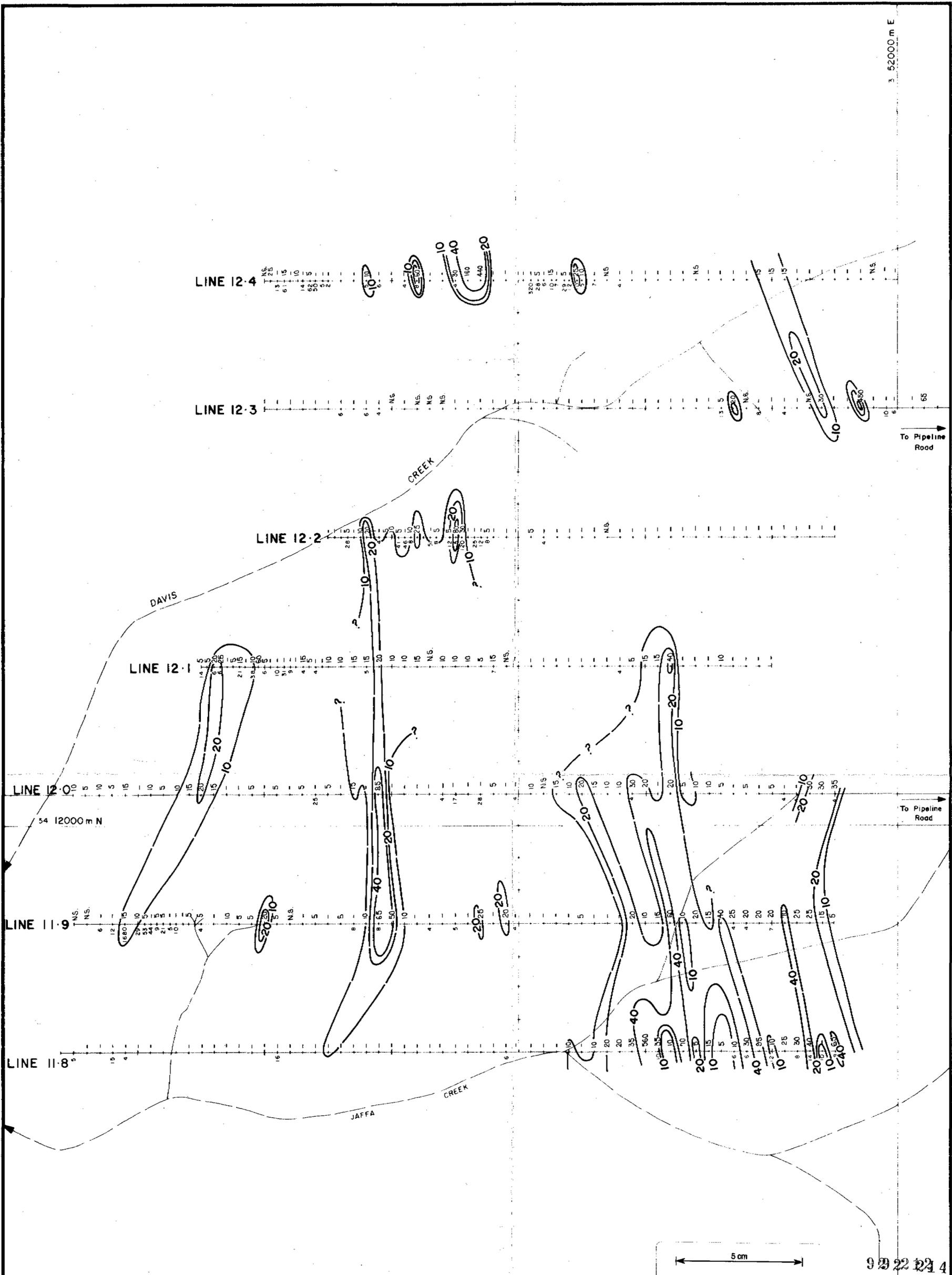
5 cm

92 213

| | |
|-----------------------------|-------------------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| GEOCHEMICAL SAMPLING | |
| COPPER ANALYSIS | |
| (ppm) | |
| SCALE 1:2000 | 40 20 0 20 40 60 80 METRES |
| FILE NO. | FIG 5-2 |

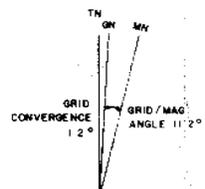
DRAWN BY L.V.
DRAFTSMAN T.G.D.S.
DATE Sep. 1986
REVISIONS

86-2591



LEGEND

6-5 Pb ppm
 15-20 Au ppb



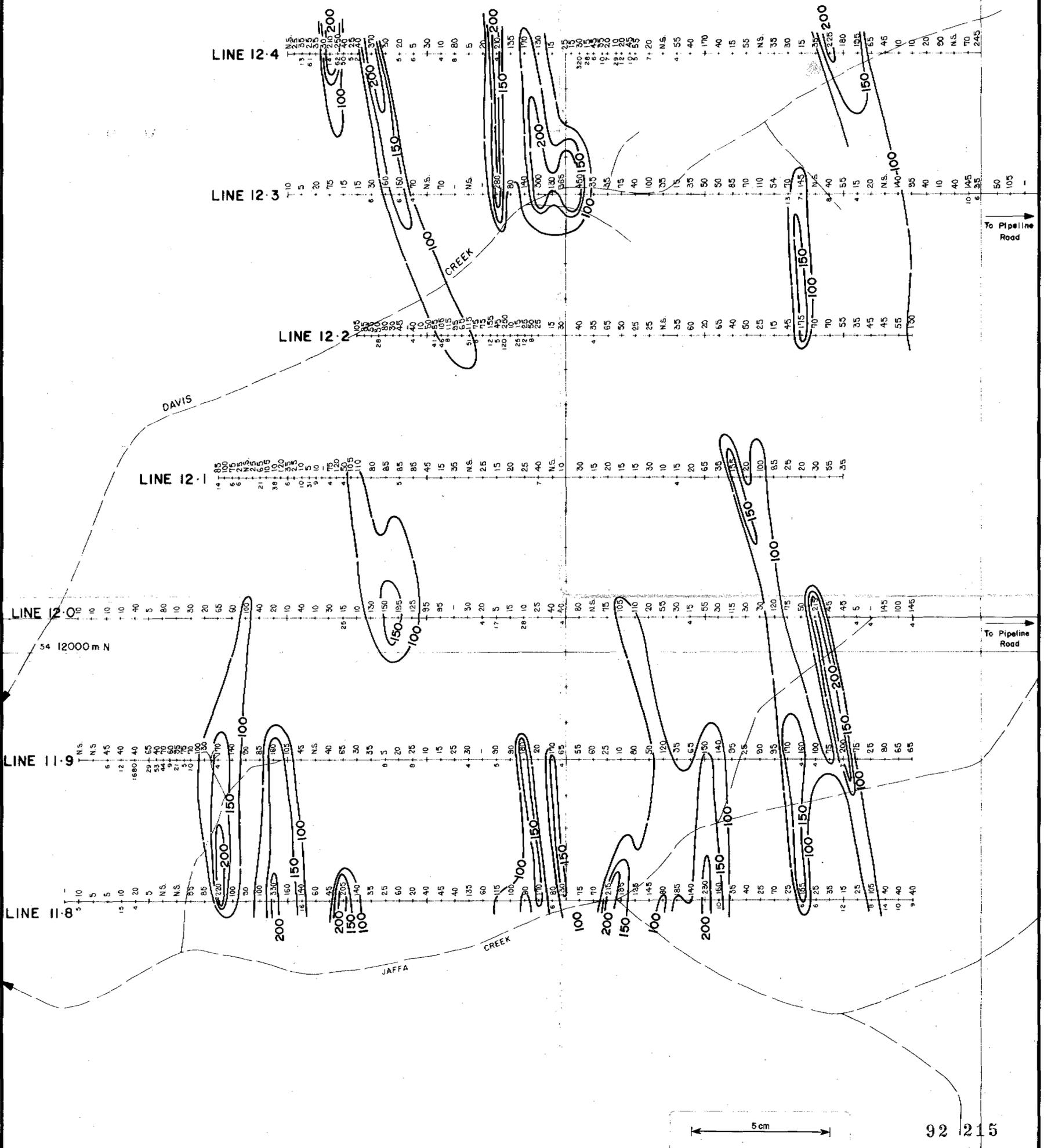
5 cm

932224

| | |
|--------------------------|----------------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| GEOCHEMICAL SAMPLING | |
| LEAD ANALYSIS | |
| (ppm) | |
| SCALE 1:2000 | 40 20 0 20 40 60 80 METRES |
| DRAWN BY LV | FILE NO. |
| DRAFTSMAN T.G.D.S. | FIG 5-3 |
| DATE Sep 1986 | |
| REVISIONS | |

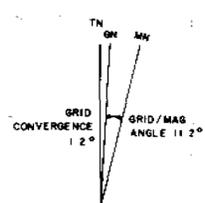
231

3 52000 m E



LEGEND

6-65 Zn ppm
 14-25 Au ppb

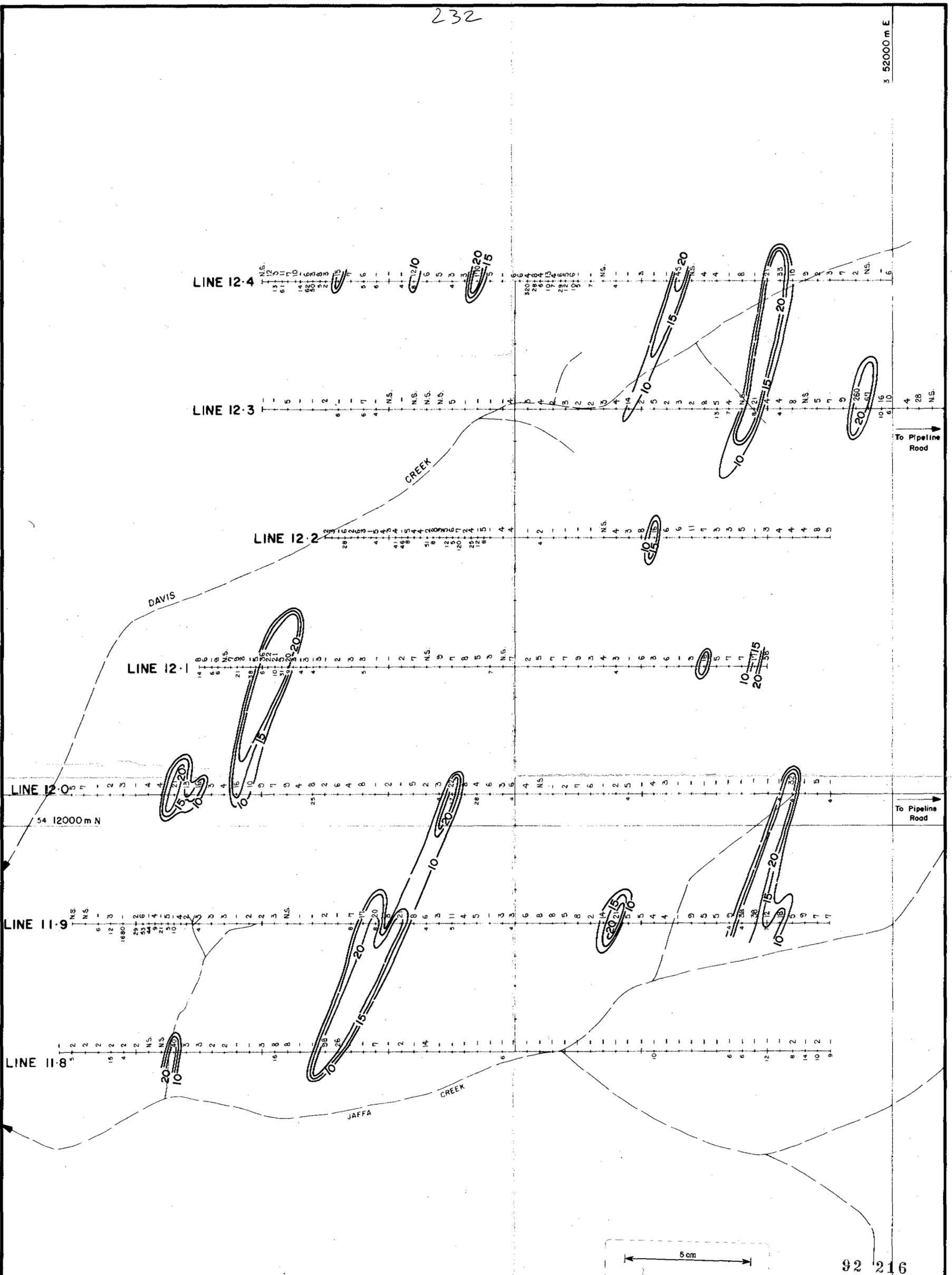


| | |
|--------------------------|----------------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| GEOCHEMICAL SAMPLING | |
| ZINC ANALYSIS (ppm) | |
| SCALE 1:2000 | 40 20 0 20 40 60 80 METRES |
| DRAWN BY L.V. | DRAFTSMAN T.G.D.S. |
| DATE Sep. 1986 | REVISIONS |
| FILE NO. | FIG 5-4 |

86-2591

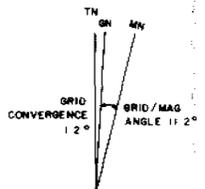
231

92 215



LEGEND

2 1 14 As ppm
 6 5 21 Au ppb

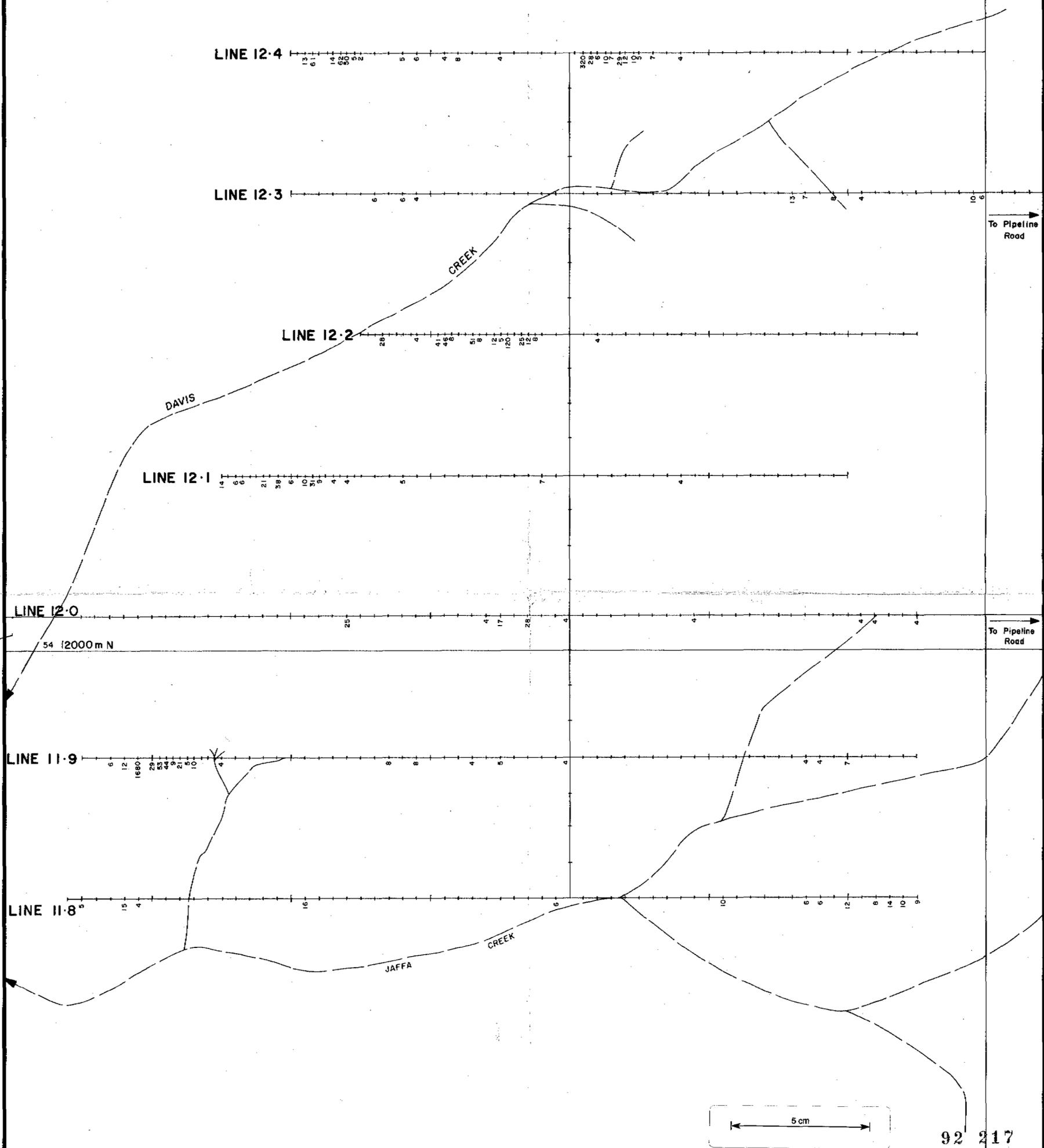


92 216

| | |
|--------------------------|----------------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L. 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| GEOCHEMICAL SAMPLING | |
| ARSENIC ANALYSIS | |
| (ppm) | |
| SCALE 1:2000 | 40 20 0 20 40 60 80 METRES |
| DRAWN BY L.V. | FILE NO. |
| DRAFTSMAN T.G.D.S. | FIG 5-5 |
| DATE Sep 1986 | |
| REVISIONS | |

233

3 52000 m E



LINE 12.0
54 12000 m N

LINE 11.9
1680
12
6
10
15
4

LINE 11.8
15
4

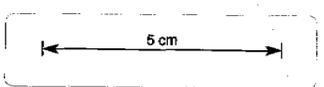
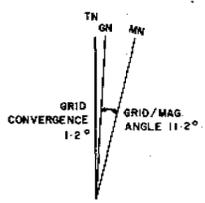
LINE 12.4
13
6
14
14
14
14
14
5
6
4
8
4

LINE 12.3
6
6
4

LINE 12.2
28
4
41
48
6
51
12
12
25
12
6
4

LINE 12.1
14
10
21
38
10
5
4
7

LEGEND
0 2 4 Au ppb

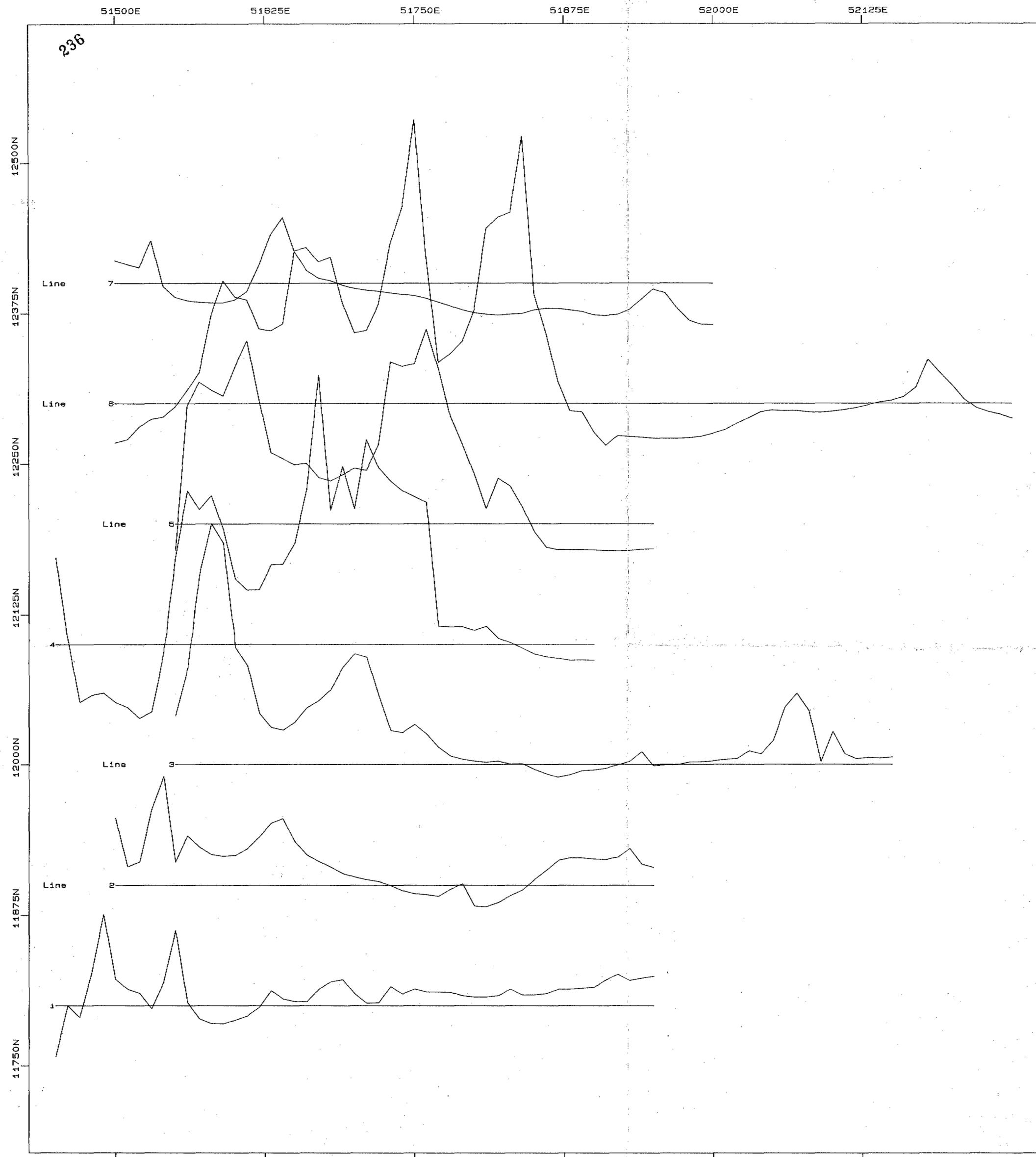


92 217

| | |
|---------------------------|-------------------------------|
| SAVAGE RESOURCES LIMITED | |
| E.L 4/61 SAVAGE RIVER | |
| DAVIS CREEK PROSPECT | |
| GEOCHEMICAL SAMPLING | |
| GOLD ANALYSIS (>4 ppb) | |
| SCALE 1:2000 | 40 20 0 20 40 60 80 METRES |
| DRAWN BY: L.V. | FILE NO. |
| DRAFTSMAN: T.G.D.S. | FIG. 5.6 |
| DATE: Sep. 1986 | |
| REVISIONS: | |

233

86-2591



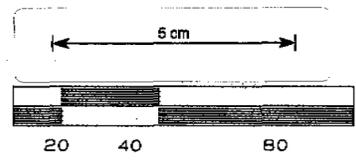
236

SAVAGE RESOURCES LTD.
 WEST COAST, TASMANIA
 DAVIS CREEK (JOB NO.631B)
 Map scale is 1: 2000.

MAGNETICS STACK PROFILE

Magnetics scale : 1cm= 200. nT Magnetics base value is 63000. nT
 Plotted on 12:34 PM THU., 26 JUNE, 1988 by Solo Geophysics
 Surveyed by Savage Resources Ltd. From 230586 to 280586

63400
 63200
 Base=63000 nT
 62800
 62600



Scale : 1cm= 20m

92 218

86-25%

FIG. 5-9



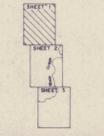
CARBONATE ROCK SAMPLES

| Sample No. | Comments | Analysis | | | | | Loss on ignition |
|------------|---|----------------------------------|------|-------|--------------------|------|------------------|
| | | Fe ₂ O ₃ % | MnO% | CaO% | SiO ₂ % | MgO% | |
| B5 | Magnesite, SW of MC 27 | 1.10 | 0.09 | 2.00 | 0.8 | 44.7 | 51.1 |
| B6 | Magnesite with dolomite vein, N of MC 27 | 4.45 | 0.13 | 12.10 | 0.7 | 34.2 | 47.8 |
| B7 | Magnesite, N of MC 27 | 2.00 | 0.09 | 2.40 | 0.3 | 44.6 | 50.7 |
| B8 | Magnesite, N of MC 27, Fe-side coated sample | 3.20 | 0.18 | 0.20 | 1.5 | 41.2 | 46.8 |
| B9 | Magnesite, N of MC 27, start of creek section outcrop | 2.85 | 0.15 | 2.75 | 0.2 | 44.1 | 50.5 |
| B10 | Magnesite, N of MC 27, creek section outcrop | 1.40 | 0.08 | 1.20 | 10.0 | 41.5 | 45.7 |
| B11 | Magnesite, N of MC 27, creek section outcrop | 2.50 | 0.09 | 3.70 | 0.3 | 43.7 | 50.0 |
| B12 | Magnesite, N of MC 27, end of creek section outcrop | 3.95 | 0.12 | 2.25 | 0.5 | 43.8 | 49.0 |
| B13 | Magnesite, W of MC 27 | 1.90 | 0.16 | 2.70 | 2.9 | 43.9 | 49.1 |

LEGEND

- CARBONATES
- SILICA ROCK
- TALC
- POROUS OCHRE, AFTER CARBONATE
- RESIDUAL SAND, AFTER CARBONATE
- SAND OR POROUS OCHRE / LIMONITE PSOLITES
- GREENCHIST BRECCIA USUALLY OVER CARBONATE
- GREENCHIST UNDIFFERENTIATED
- GREENCHIST WITH DISSEMINATED MAGNESITE
- MAGNESITE ROCK

SHEET INDEX



Savage Resources Limited
Savage River - E.L. 4/61
MAIN CREEK MAGNESITE PROSPECT
SHEET 1
GEOLOGICAL INTERPRETATION

SCALE 1:1000
 METRES

DRAWN BY: C.H.C.S.
 DRAFTSMAN: T.G.D.S.
 DATE: July 98
 REVISIONS:
 FILE NO:
 FIG. 6-1



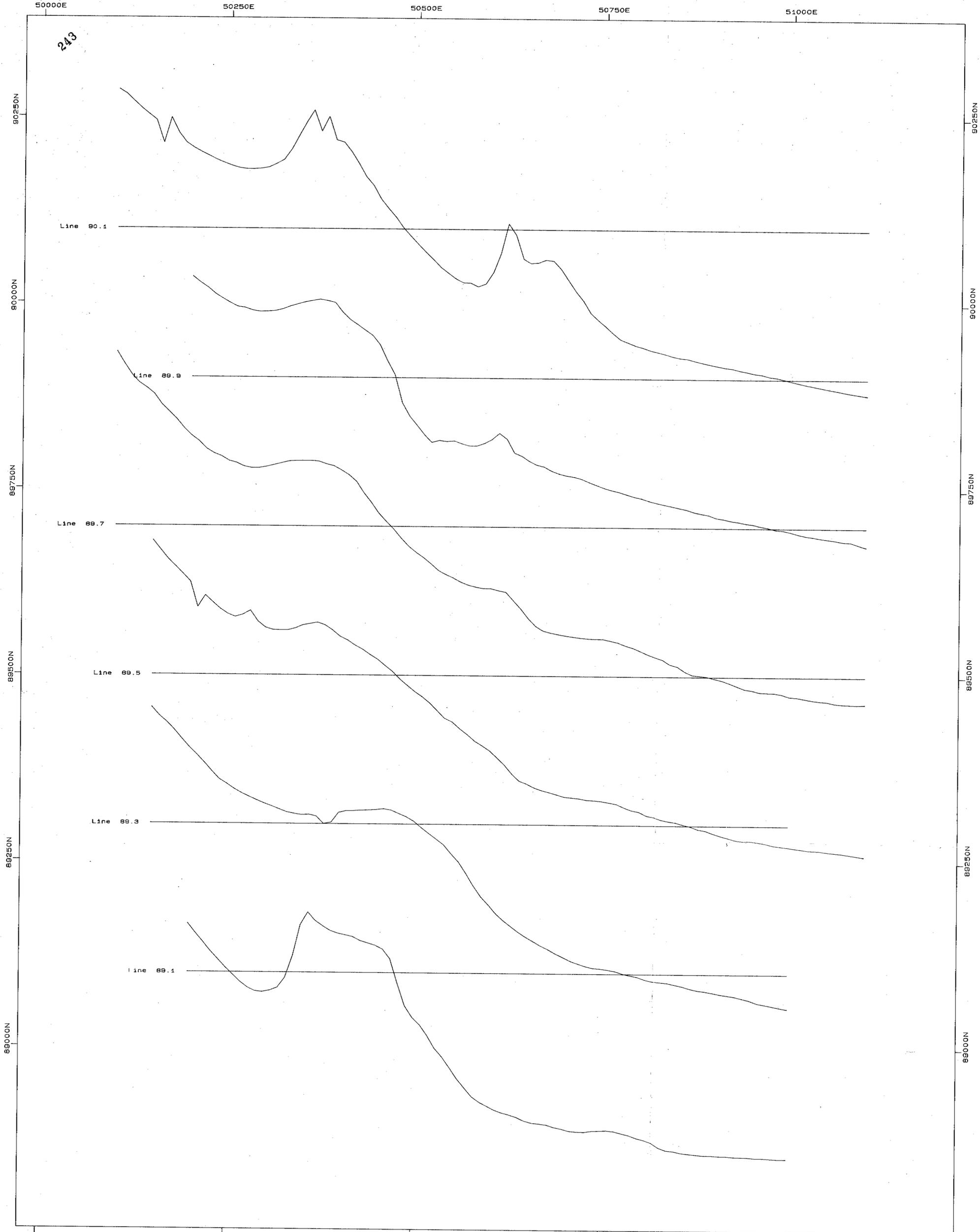
LEGEND

- CARBONATES
- SAND OR POROUS COARSE / LIMESTONE RESIDUES
- SILICA ROCK
- GREENISH BRECCIA USUALLY OVER CARBONATE
- TALC
- GREENISH UNSPICIFERATED
- POROUS COARSE, AFTER CARBONATE
- GREENISH WITH DISSEMINATED MAGNETITE
- RESIDUAL SAND, AFTER CARBONATE
- MAGNETITE ROCK

CARBONATE ROCK SAMPLES

| Sample No. | Comments | Analysis | Loss on Ignition |
|------------|---|---|------------------|
| | | Fe ₂ O ₃ % MnO% CaO% SiO ₂ % MgO | |
| B14 | Impure magnesite with talc, S and of MC outcrops. | 1.70 0.07 7.00 27.8 33.6 29.8 | |

SAVAGE RESOURCES LIMITED
 SAVAGE RIVER - E.L. 4/61
 MAIN CREEK MAGNESITE PROSPECT
 SHEET 2
 GEOLOGICAL INTERPRETATION
 SCALE 1:1000
 DRAWN BY: C.H.C.R.
 DRAFTSMAN: T.D.S.
 DATE: July 98
 REVISIONS:
 FILE NO:
 FIG. 6-2

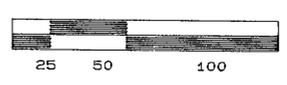


SAVAGE RESOURCES LTD.
 SAVAGE RIVER, TASMANIA
 ROCKY RIVER PROSPECT (JOB NO.814)

MAGNETICS STACK PROFILE

Map scale is 1: 2500.
 Magnetism scale : 1cm= 100. nT Magnetism base value is 63500. nT
 Plotted on 5:15 PM TUE., 25 FEB., 1988 by Solo Geophysics
 Surveyed by Savage Resources Ltd. From 280188 to 290188

63700
 63600
 Base=63500 nT
 63400
 63300



Scale : 1cm= 25m

52 222

TOPOGRAPHY
CULTURE PLAN

SAVAGE RESOURCES LTD.

Area : SAVAGE RIVER

Grid : ROCKY RIVER ARSENIC

Line No: 89-90 N

Setup points :

Scale : 1 : 2500

Date : 15 - 16th JUNE 1986

Job No.

INSTRUMENTATION USED

Rx Type : Huntec Mk Iv s/n

Tx Type : HUNTEC 3-5 kW

SURVEY : I.P. & RESISTIVITY

METHOD : Dipole, Dipole Array L= 100m

Time sequence : 2 sec on, 2 sec off

Integration time recorded: Channels 0-9

Integration time plotted : Channels 0-9

Delay time, TD : 50/1550msec. after cut off

Linear channel width : 150 msec.

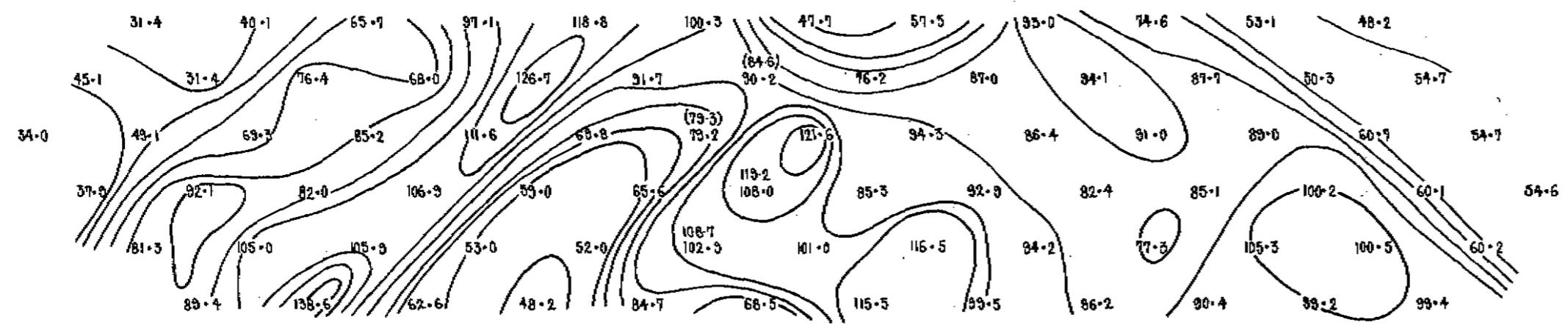
SECTION A : Apparent Chargeability (mv/v)
contour interval 2 msec

SECTION B : Apparent Resistivity (ohm m)
logarithmic contour interval

Surveyed by SOLO GEOPHYSICS & Co FIG. 8-2

50 250 E 300 400 50 500 E 600 700 50 750 E

APPARENT CHARGEABILITY (mv/v)
CONTOUR INTERVAL 10 msec

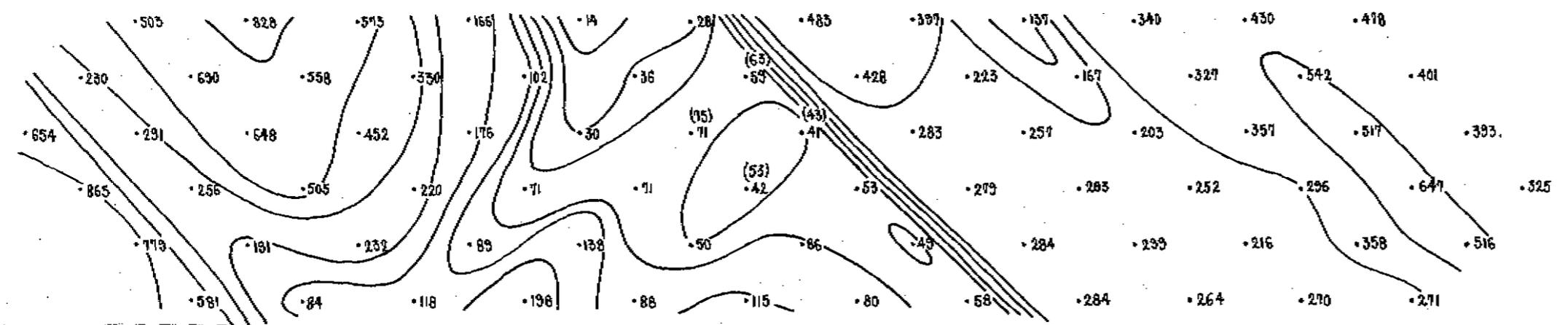


n-1
n-2
n-3
n-4
n-5
n-6

50 500 E

STATION

APPARENT RESISTIVITY (ohm m)
LOGARITHMIC CONTOUR INTERVAL



n-1
n-2
n-3
n-4
n-5
n-6

2452

5 cm

92 223

86-2591

TOPOGRAPHY
CULTURE PLAN

SAVAGE RESOURCES LTD.

Area : SAVAGE RIVER

Grid : ROCKY RIVER ARSENIC

Line No: 90-10N

Setup points :

Scale : 1 : 2500

Date : 13-14th JUNE 1986

Job No.

INSTRUMENTATION USED

Rx Type : Huntec Mk Iv s/n

Tx Type : PHOENIX IP

SURVEY : I.P. & RESISTIVITY

METHOD : Dipole, Dipole Array L=50m

Time sequence : 2 sec on, 2 sec off

Integration time recorded: Channels 0-9

Integration time plotted : Channels 0-9

Delay time, TD : 50 msec. after cut off

Linear channel width : 150 msec.

SECTION A : Apparent Chargeability (mv/v)
contour interval 2 msec

SECTION B : Apparent Resistivity (ohm m)
logarithmic contour interval

Surveyed by SOLO GEOPHYSICS & Co FIG. 8-1

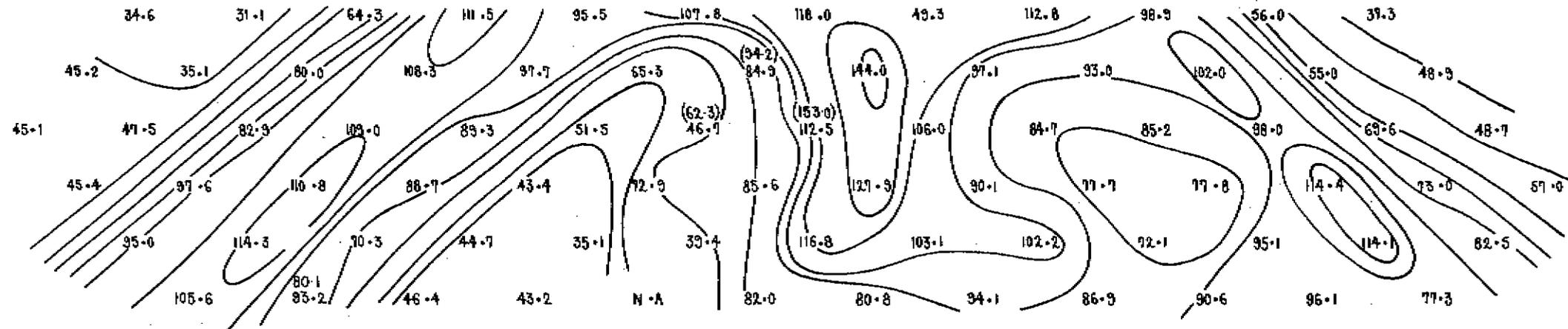
244

92 224

50 250 E 300 400 50 500 E 600 700 50 750 E

APPARENT CHARGEABILITY (mv/v)

CONTOUR INTERVAL 10 msec

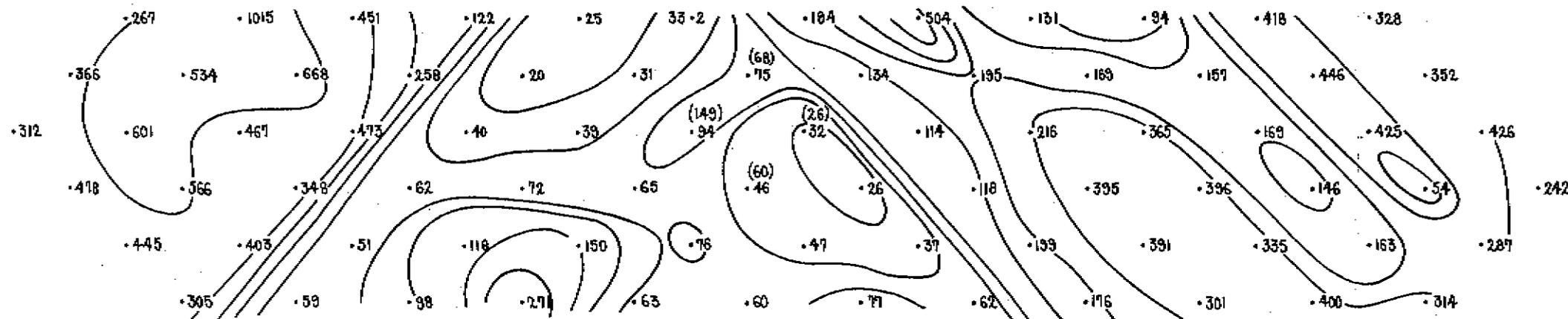


50 500 E

STATION

APPARENT RESISTIVITY (ohm m)

LOGARITHMIC CONTOUR INTERVAL



5 cm

LEGEND

QUATERNARY:

Qa Alluvium

TERTIARY:

"BROWN PLAIN FORMATION"

Tus Poorly rounded oligomictic pebble to cobble gravel and sand.

Tvb Basalt

"BULLOCKS HEAD FORMATION"

Tmg Well rounded polymictic cobble gravel and sand.

PERMO-CARBONIFEROUS:

WYNARD TILLITE

C-Pwt Tillite, mudstone with ice-rafted clasts, sandstone and varved mudstone.

DEVONIAN:

MEREDITH GRANITE

Dmg Porphyritic granite, porphyritic microgranite, gneiss and quartz tourmaline rock.

PRECAMBRIAN:

"WHYTE GROUP"

OONAH FORMATION

Pos₂ Upper - greywacke and mudstone.

Pos₁ Lower - schistose quartzwacke and associated mica-chlorite pelites with some graphite schist; abundant quartz veins and minor green tuff

"BOWRY FORMATION"

Ebg₄ Greenschist, amphibolite and sandstone. Magnetite (indicated by horizontal bars). Magnetite (indicated by diagonal bars).

"TIMBS FORMATION"

Grey and green basid mudstone, illite sandstone, phyllite, greenschist, amphibolite, turbidite sandstone, minor carbonates and magnetite near top. Divisions Indicated: -

Ebg₃ Greenschist, turbidite sandstone, amphibolite and minor carbonate, thinbedded sandstone at top.

Ebg₂ Quartz rich greenschist.

Ebg₁ Greenschist, grey and green phyllite and amphibolite.

Ebs Green and grey mudstone and minor turbidite sandstone.

"LONGBACK SUBGROUP"

Slate; dolomite; fragmental and massive volcanics. Divisions Indicated: -

Elv₂ Tunnelrace Volcanics; mudstone, phyllite, green tuff with flattened pumice clasts, amphibolite and volcanic breccia.

Eld₂ Doodie Dolomite and Corinna Slate; dolomite common in the south only. Quartz veins and distinctive laminated texture common in dolomite; minor chert.

Elv₁ Bernafal Volcanics; mudstone-like tuffs, breccia, massive volcanics (Ignimbrite ?), grey tuff with flattened pumice clasts (in north).

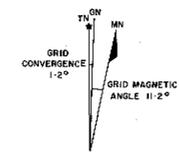
Eld₁ Savage Dolomite; slate expands at the expense of dolomite in the north. Distinctive dolomite textures include stromatolitic and brecciated stromatolitic dolomite and oolitic dolarenites; chert.

"MOUNT DONALDSON FORMATION"

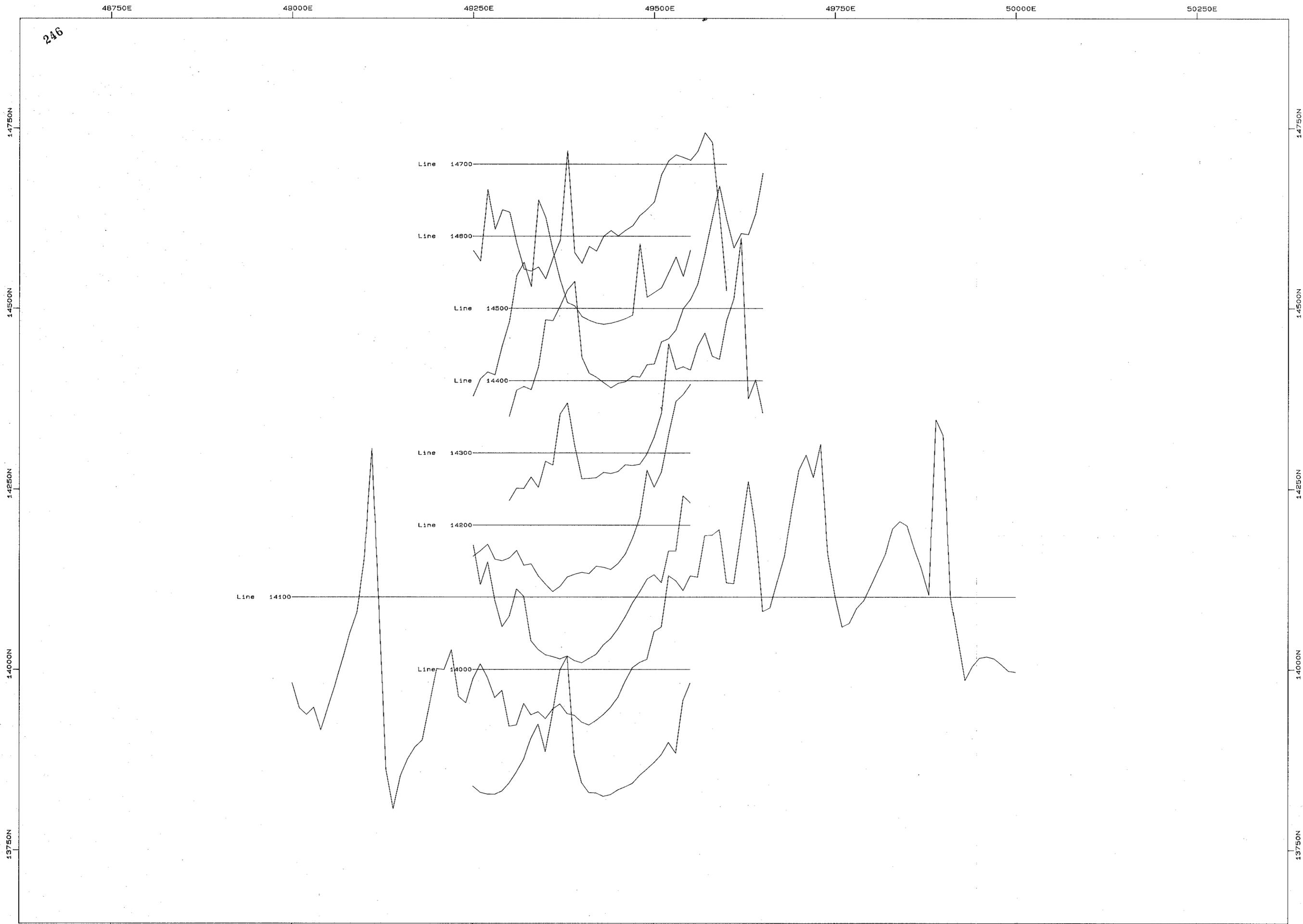
Pdp Black phyllite and sandstone/conglomerate; resistant sandstone beds indicated.

ROCKY CAPE GROUP

Prp Slate and sandstone; prominent sandstone beds indicated.



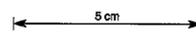
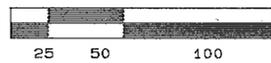
| | |
|---------------------------------|--|
| Savage Resources Limited | |
| E.L. 4/61 - SAVAGE RIVER | |
| GEOLOGY INTERPRETATION | DRAWN BY: H.S. DRAFTSMAN: T.G.D.S. DATE: Aug '86 REVISIONS: FILE NO. |
| SCALE 1:50,000 | 0 1000 2000 METRES |
| FIG. 9-0 | |



SAVAGE RESOURCES LTD.
 SAVAGE RIVER, TASMANIA
 NORTHERN COPPER ANOMALY (JOB NO. 814A) MAGNETICS STACK PROFILE
 Map scale is 1: 2500.

Magnetics scale : 1cm = 100. nT Magnetics base value is 63000. nT
 Plotted on 4:40 PM TUE., 25 FEB., 1988 by Solo Geophysics
 Surveyed by Savage Resources Ltd. From 310186 to 310186

63200
 63100
 Base=63000 nT
 62900
 62800



Scale : 1cm = 25m