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ANNUAL REPORT
 ON INVESTIGATIONS WITHIN
 EXPLORATION LICENCE 4/61

WEST COAST, TASMANIA

(September 1986 - June 1987)

BY

R.W. ANNETT & C.H.C. SHANNON

JUNE 1987

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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
WMC, Wendouree	Assays
Joe Horak	Line Cutting
Joe Fagan	Bulldozing
Tasmanian Geol. Drafting Service	Drafting
Marafield Pty. Ltd.	Industrial Mineral Analyses

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B. SUMMARY

Exploration work in this field season was targetted on gold and industrial mineral projects:

Gold Search Projects continued at Davis Creek and Specimen Reef, a new gold project was started at the Dozer Track prospect and interest was revived in the Rocky River Mine area.

The gold projects are concentrated in areas peripheral to magnetite deposits particularly where a carbonate facies association is also present.

At Davis Creek the expanded grid sampling brought up to three the total of >0.3 ppm gold soil anomalies which were then followed up with pit or channel sampling. Two did not survive the process and the strongest anomaly proved to be confined to a small area.

At Specimen Reef the >0.5 ppm gold anomaly was pit sampled and repeated and is to be investigated further.

The Dozer Track prospect proved to contain anomalous gold in pan concentrates in the target area. Limited follow-up soils and rock chip sampling has produced one anomalous value but outside the exploration licence. The sub-basalt gravel in the area is a possible source for the gold.

At the Rocky River Mine channel sampling of vehicular and walking tracks above the workings produced no anomalies.

Industrial Mineral Projects are at an early stage and can only be part reported. Areas of interest are the Brown Plains clay occurrences and the Bowry Creek - Main Creek magnesite deposit.

At Brown Plains interest lies in producing calcined clay products from a brown clay occurrence situated just east of the main Waratah - Corinna Highway.

A number of talc-rich samples have just recently been collected from the Bowry Creek - Main Creek magnesite deposit, evaluation work is proceeding.

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1. DAVIS CREEK - SPECIMEN REEF PROSPECT

1.1. Previous Exploration

Late in the 1984-1985 field season, as part of the ongoing regional stream sediment sampling programme, four panned heavy mineral concentrates taken from the headwater of Broderick and Davis Creeks returned highly anomalous gold values (HM 349-352).

The following season a further 17 heavy mineral concentrates were collected from creeks surrounding and within the catchment area of HM's 349-352. Results confirmed an area of ground between Jaffa Creek and the headwaters of Davis Creek to be of sufficient interest to warrant follow-up sampling.

Around 400 soil samples were later collected along east-west lines covering an area from the Permian - Bowry member faulted contact to the Pipeline road, between 11.8 - 12.4N, during the 1985-1986 season.

Amphibolites, apparently cross-cutting the general trend of the rocks, and especially when emerging from the Permian - Bowry member faulted contact within the vicinity of a quartz-(carbonate)-ironstone, were noted for their anomalous gold content.

1.2. 1986 - 1987 Field Season

Work has been carried out this year under the direction of the joint venture partner, Minsaco Resources Pty. Ltd.

The Davis Creek grid was expanded north, south and east of the original area so that it now virtually joins the miscellaneous grids over the Specimen Reef area. This has allowed plotting of all data points for the later areas on the one base plan.

The aim was to track possible extensions and new gold anomalies potentially developing from the indications of gold found in the previous work both in soils and stream sediment.

The narrowing and fading of the magnetic values of the main Rocky River - Long Plains - Savage River magnetite belt as it strikes through this area could indicate some lateral facies change making

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this ground prospective for gold in an environment where carbonate beds become lateral equivalents of iron ore, c.f. Canadian gold host model.

1.2.1. Sampling Procedure

Soil samples were taken at a base 10m spacing normally with hand augers and in some cases by power auger at depths commonly down to 1.5m, where outcrop was present it was also sampled.

If bedrock textures could not be determined no sample was taken at that site.

The sample colour was noted and an interpretation plot prepared as one element in the interpretation of the geology. (Fig. 1.0).

Costeans were either bulldozed or dug by hand depending upon their proximity to the Pipeline road. Channel samples were chipped from the base of the costean while any noteworthy feature was selectively sampled.

Samples were assayed for gold plus copper and in the early sampling also for arsenic. This season the gold assays have been run by aqua regia/AAS without carbon rod finish. It appears that the problem of inconsistency of results between batches still exists with gold assays although there is a good detection of a "ring-in" standard (see Appendix 1.0).

Data plots have been prepared for each element with contour plots for copper and arsenic (Figs. 1.1. - 1.3.).

1.2.2. Geology

Mapping of the most accessible outcrops was done in a series of creek traverses, sporadic observations were also made along lines and ridges where convenient, but outcrop is normally too poor to make the effort worthwhile.

A plot of the outcrop data was prepared and from it an interpretation map has been prepared guided in part by copper anomaly trends which appear in most cases to be stratigraphically controlled. (Fig. 1.4).

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The geological framework within the base plan area hinges on the major fault in its western portion, which is the eastern split of the Donaldson fault.

The fault is readily located on the ground where it causes Wynyard Tillite to abut against Precambrian, but somewhere south of line 11.5N the west block west of the fault also becomes part of the Precambrian and these rocks are attributed to the Timbs Formation.

The sequence east of the fault comprises most of the Bowry Formation which is further subdivided into three broad divisions, with some of the base variably chopped off at the fault, proceeding upwards into the base of the Donah Formation.

1.2.2.1. Lower Division (Western).

In addition to the most common rock unit, an amphibolite which contains less obvious chlorite than normal, this division contains fissile quartzites, quartz bearing (talcose?) schists and a non-fissile quartzite with pyrite and abundant cavities. The latter may represent a carbonate unit as it appears to lie in a position stratigraphically equivalent to some of the magnesite horizons and has similarities to the outcrop (515111) of the "lead-zinc gossan" now interpreted as a carbonate related siliceous collapse breccia.

Detectable cross-cutting dykes in the form of blocky basic schists and quartzofeldspathic rocks of dioritic compositions are much more evident in this division. Trending northeasterly they appear to be re-emerging from the major fault.

1.2.2.2. Middle Division.

The chlorite bearing amphibolites of this division make up the bulk of the Bowry Formation. In the north of the area more quartz rich forms are present and in the south with a transition beginning in the 11.5 - 11.6N area there is abundant magnetite in the schist.

1.2.2.3. Upper Division (Eastern).

This division is more diverse although also dominated by chlorite bearing amphibolites. Other rock types include the black phyllite with turbidite sandstones marker at the base and other rocks transitional to fissile quartzite and phyllite.

1.2.2.4. Oonah Formation.

The Oonah boundary is marked by the first 10m+ thick unit of grey phyllite, (the dominant and characteristic rock type of the unit) and the abundant vein quartz that goes with it.

Near Specimen Reef this is followed by a bed of green Bowry-style amphibolite with magnetite before the phyllite/quartzwacke sequence becomes established.

1.2.3. Geochemistry

Prior to the new grid construction some data plots were prepared for the small detailed east-west grid at Specimen Reef. This showed in effect that gold was its own best indicator although there was a significant correspondence at or near copper values beyond a threshold c. 800 ppm. Most other elements showed halo patterns around the principle gold area which was particularly strong in manganese.

So support geochemistry for the new sampling was restricted to arsenic and copper. Arsenic was abandoned once it was realized that it showed strong patterns generally unrelated to either of the other elements.

In relation to the inferred trace of Specimen Reef there is little direct indication of gold in the rather small area covered with tolerably reliable assay data. In older data it appears that coincident copper and arsenic anomalism indicates the subcrop of the Specimen Reef ore shoot and this implies that the larger copper and arsenic anomaly along the trace of the reef to the southwest is promising.

The trend of Specimen Reef is roughly parallel to the main trend of the Donaldson fault before it splits to enclose the slice of Permian glacials. It is therefore possible that the Specimen Reef trend is a splay off the Donaldson fault following the more usual trend direction.

With some forcing of the point the overall trend of the gold values from the Davis Creek Workings also shows a parallel trend though the area affected is larger and more diffused. The main gold centre of this zone was at the peak anomaly discovered previously and is still the highest surface gold value. (Figs. 1.5 & 1.6). A detailed sampling programme was conducted using the artificial exposures in the vicinity; the water race, old timer costeans and adits. The values proved contourable and show that the gold value is a spot high in a disappointingly small anomalous area.

Gold distribution for the remainder of the grid is too spotty for a simple contour plot however four axes of anomaly can be distinguished:

1.2.3.1. Western Davis Creek axis.

This follows the line of gossanous outcrops including the non-fissile quartzite (plus pyrite and cavities) marker bed, limonite/quartz breccia and some of the fissile semi-quartzite rock.

1.2.3.2. Eastern Davis Creek axis.

This lies approximately 150m east of the western axis at about the top boundary of the lower division of the Bowry Formation. The two peak values on this trend were pit sampled with disappointing results.

1.2.3.3. Pipeline road axis.

This is weaker and more sporadic but with occasional support, especially between 11.8 - 12.1N, from flanking high arsenic values. The best gold value in the zone (11.5N 52090E, 0.21 ppm) has not been

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followed up, it is flanked by four other elevated golds. Copper values are very low. All these features relate to a rock which shows up in soil sampling as a thick sandy regolith.

1.2.3.4. Specimen Reef East axis.

Although the geology shows north-south trends the geochemical data shows more northeast-southwest trends which are thought to relate to ore shoots in Specimen Reef. In this area there is some support in copper and arsenic for the gold values and the costean sampling, both hand and bulldozed, did repeat satisfactorily. This high is not particularly close to the projected trace of Specimen Reef so that it is as likely to represent an independent mineral deposit as a hanging wall expression of an ore shoot in the Specimen Reef itself.

1.2.4. Ground Magnetics.

Readings were taken at 10m spacing on the new grid lines and a selection of lines in the Specimen Reef area to extend coverage southwards, and the whole data set was carefully integrated with the previous Davis Creek grid survey. Data was processed by Solo Geophysics, Adelaide. (Fig. 1.7).

The data is highly changeable but significant trends are apparent when using the stack profiles modified to eliminate overlaps. (Fig. 1.8). Magnetite disseminated in the amphibolite is the obvious source of the anomalies. Two broad zones are evident their contact trending NNE - SSW.

The western half is complex with a number of superimposed trends. Firstly a NNE - SSW trend picking up the general strike of the beds and secondly a NE - SW cross-cutting trend attributable to dykes such as the pyrite bearing amphibolite observed in the Davis Creek Section (516 122). This half is confined to the Bowry Formation lower division and lower half of the middle division.

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The eastern half reveals quiet, subdued magnetics with two well defined magnetic horizons striking NNE - SSW. The most westerly magnetic feature lies adjacent to the Bowry Formation middle and upper division contact while the eastern anomaly strikes through the Specimen Reef East gold horizon. The strong, broad magnetic anomaly to the west of Specimen Reef (i.e. structurally lower) on lines 11.1 - 11.3N and to a lesser degree on lines 11.5 - 11.8N indicate the last most northerly traces of the main Rocky River - Long Plains - Savage River magnetite horizon.

The magnetics indicate minor folding glossed over by the other data constructions, but this is compatible with the mesoscopic folding seen in the better roadside cuttings. A best fit can be made between the geology as deduced from outcrop, the geochemical trends and the magnetic trends.

1.2.5. Exploration Views.

The bulk of the Davis Creek grid is underlain by chlorite-bearing amphibolites characteristic of the middle division of the Bowry Formation.

The lower division contains various rock types. A stratigraphic horizon is suggested between the quartz-carbonate-ironstone at the Davis Creek mine workings, the zone of barite floaters in a tributary creek of Davis Creek and the "lead-zinc gossan" outcrop at 515111.

The gossanous rocks returning around 0.2 ppm gold within the costean at the Specimen Reef East prospect as part of the upper division, appear similar to the pitted gossanous rocks at the Golden Ridge field.

The spotty nature of the gold occurrences is difficult to interpret but both the highest gold value and the most registrations of gold occur within the lower division. Occasional gold occurrences seem to highlight the contact between the middle and upper divisions.

Some of the high copper zones appear unrelated to gold and are likely to include stratigraphic controls such as a link to magnetite rich beds.

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The marked drop in magnetic values on the extreme western side of the three most southerly lines suggest the Permian-Bowry Formation faulted contact is a little further east than previously thought.

The complex magnetic signature characteristic of the lower division appears to continue south of line 11.1N.

The magnetic high associated with the high golds at Specimen Reef East extends at least 600m to the north.

The boundary of the Bowry Formation must lie generally further east than the grid coverage.

1.2.6. Proposed Future Exploration

The southerly continuation of the lower division should be tested. Although this extends into ground previously explored the reliability of the old data is suspect both because of the poor analytical method chosen for gold determination and the validity of the sample collected.

A copper-arsenic anomaly lying between 600 and 800S (old Specimen Reef grid) and slightly west of the southerly trace of Specimen Reef is noteworthy considering the only other development of such an anomaly lies over the probable impact of the original Specimen Reef ore shoot.

The continued registrations of gold from soil, hand-dug and bulldozed costeans over a strike length of 50m at Specimen Reef East is encouraging and should be followed up. The close association of a magnetic high could indicate a prospective zone upwards of 600m in strike length.

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2. ROCKY RIVER - WHYTE RIVER PROSPECT

This prospect lies within the lower division of the Bowry Formation loosely bounded by the Timbs-Bowry Formation contact to the west, tunnelling activities of the Rocky River Mining Co. to the north and various old-timer water races, alluvial diggings and activities of the Associated Rocky River Co. to the south.

2.1. Previous Exploration

Tunnelling by turn of the century miners is quite extensive but confined to a number of magnetite lodes which together constitute the Western Rocky River magnetite lode. From old reports a separate lode, the Sawpit lode, immediately west of the western lode has also been tunnelled.

The Mines Dept. in 1964 reopened a number of old traverses and conducted geological and geophysical examinations which are reported upon by Urquhart (Geol. Surv. Bull. No. 48, 1966).

Exploration after 1980 has been rather patchy and results inconsistent. Recent sampling from the accessible remains of the main adit (No. 2 tunnel Rocky River) and selective material from RR 1 and RR 2 drill-core gave erratic results, some batches anomalous some barren.

Limited soil and rock chip sampling along the vehicular access track from the Whyte River crossing to the button grass plains returned registrations of gold after some samples were reassayed using a more sensitive method for gold determination.

Panned heavy mineral concentrates collected close to the headwater of creeks such as Nolan and Cataract returned disappointing results.

2.2. 1986 - 1987 Field Season

The coarse grainsize of gold extracted from the bed of the Rocky River points to a nearby bedrock source but the early miners obsession of a gold-magnetite association may have proved their downfall as this probably overshadowed the development of the Sawpit Lode a feature which is reported as carrying gold bearing black pug.

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To this end work was targetted on the presumed stratigraphic interval which baskets both the magnetite and the Sawpit lode horizons, utilizing cleaned up road sections and the water-race, with a particular aim of picking up the surface expression of the Sawpit lode.

Seventy-two channel samples were taken over 5m intervals along the vehicular access tracks, 87 soil and/or rock chip samples were collected along the water-race, WR series, and a walking track, WRSP series, 47 rock chip samples were taken from various outcrops along the banks of the Rocky River, Breakneck and Coundon Creeks (App. 2.0 and 3.0).

2.2.1. Geology

The new exposures illustrate well the top of the basal chlorite schist beds of the lower division of the Bowry Formation.

Just east of Hay's tin shed these schists pass easterly into leucocratic felsite like beds the contact of which sometimes shows graphitic smears and quartzites. This is approximately the position of the Sawpit lode relative to the underground workings as described by Wilks (1899) and would also fit somewhat with Twelvetrees geological notes on the Sawpit Lode.

Further east (along the main access track), there are distinctive beds of blocky, intrusive?, amphibolites, foliated green-schists and three pods of hematitic gossan outcrop, these are termed the Whyte River Mine sequence.

An apparent strike direction on the gossan outcrop fits nicely with the next observed occurrence of hematite pods to the south around Cataract Creek but this is slightly at odds with Urquhart's interpretation.

To the north there is no trace of the hematitic horizons along the lower access track or along the banks of the Whyte River.

The probable sites of machinery sheds for the original adit on the Sawpit lode were found but the adit portal has vanished. The vague positioning of the adit by Wilks requires a bowing of the general strike direction not directly observed in the field. (Fig. 2.0).

Further east the Whyte River Mine sequence grades into more typical of the middle division of the Bowry Formation

2.2.2. Geochemistry

This area has for a number of seasons provided some classic examples of bad assays and batch inconsistencies. The "nuggety" nature of the gold can cause bad repeats but some blame must lie elsewhere.

Samples were assayed for copper, arsenic and gold. Lead, zinc, manganese and silver were included for samples collected in the workings of the Rocky River Associated eastern copper lode. (Figs: 2.1 - 2.3).

Gold failed to live up to the first few samples taken by Minsaco Res. Pty. Ltd. which returned over 3 ppm from a gossanous pyrite-rich sample in the main adit and a 0.8 ppm from a chip sample of a quartz reef some 60m west of the main adit portal on the bank of the Whyte River.

Trace gold was reported in a number of samples but the spotty nature of the occurrences masks any useful trend. Most samples returned gold as occurring below the limit of detection, occasional samples struggled around 0.02 ppm while the highest value, with some support from an adjacent sample, was .06 and .03 ppm respectively.

Stretching a point the most westerly Rocky River rock chip samples of greenschists, semi quartzites and quartzites (87/0301 - 0308) did register gold to .06 ppm where the trace of the Sawpit lode is thought to run.

There is no clear cut copper-gold or arsenic-gold association. High copper values do appear to be associated with the magnetite lodes.

2.2.3. Exploration Views

The bulk of the Whyte River Mine sequence has been sufficiently sampled to prove that the iron ore mineralisation, lodes 1 - 3 and possibly lode 4, is itself virtually gold free, except in cross-cutting veins, and this would also verify why negative results were obtained from the panned heavy mineral concentrate of creeks draining this area.

The surface expression of the Sawpit lode has been difficult to trace. Selective sampling of graphite smears and quartzites along its inferred trace has met with only limited success.

The alluvial workings within the major bend of the Rocky River must be considered as a 'panned gold high' with the source not too far away judging from the size of the nuggets discovered. Ground immediately upstream and easterly of the bend has been rock chipped but very prospective ground still remains to be sampled west and south of the Rocky River.

3. DOZER TRACK PROSPECT

At the Golden Ridge field it is puzzling that the underground workings had such poor results by comparison with the alluvial workings even allowing for the likely concentration at surface of lag deposits.

Hints of another source came from the presence of chromite in a heavy mineral concentrate from below Cox's Face which suggests that the gold might have been derived from elsewhere and concentrated in a vanished placer in the Brown Plain Formation.

The adjacent area of the Bowry Formation seemed a good place to look since in this part of the area the major iron ore deposits occur to the north and the major carbonate deposits to the south. While there is no proof of a stratigraphic overlap it is possible that there is a facies transition from oxide to carbonate here which is a particularly good host for gold mineralisation.

3.1. Previous Exploration.

This area lies immediately south of the S.R.M. Lease, west of Cox's Face and north of the Magnesite prospect and has neatly missed the majority of any exploration activities.

In 1960 - 1961 the Mines Dept. extended a surveyed grid and vehicular access track south from the Savage River to the Long Plains as part of their regional studies of the Savage River - Long Plains - Rocky River magnetite belt.

Only a few stream sediment samples have been recently collected and these are somewhat peripheral to the area of interest.

3.2. 1986 - 1987 Field Season - Results.

A series of heavy mineral samples were taken through the accessible creek drainages which consistently produced positive gold anomalies. (App. 5.0).

Rounded pebbles were observed in most panned samples indicating a movement into the creek systems of the Bullock's Head Gravel horizon lying beneath the Tertiary basalt.

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Most sampled creeks drained the basalt capped ridge although HM's 418 and 419, probably containing more stream sediment material of Oonah origin, still returned 3 visible gold grains.

The heavy mineral panned concentrate (HM) from approximately 30kg of starting material is small and atypical of previous HM's collected from creeks draining the Bowry Formation.

When viewed under a binocular microscope the gold grains show signs of rounding.

Chip sampling along creeks revealed one interesting spot high of 1.78 ppm gold which once accurately plotted proved to be outside E.L. 4/61. Follow-up chip sampling failed to detect any further gold anomalism. (Fig. 3.1).

The chip and stream sediment sampling anomalies appear to be related to a linear feature causing the alignment of two creeks. The feature was tested with a reconnaissance soil sampling line in the saddle area between the two creeks but gave no anomalies. (Fig. 3.0).

Three samples of the Bullocks Head Gravels were panned to provide heavy mineral concentrates. Since they could not be selected for trap sites it was interesting to find masses of chromite and trace gold in the samples.

3.2.1. Geology.

The presence of a weathered carbonate (?) at sample location 87/0278 and the abundance of magnetite in the HM concentrate of 430 suggest a continuation south through this area of the Savage River magnetite/(magnesite) horizon. As a consequence the western boundary of the Bowry Formation must lie at least 400m further to the west than previously thought.

The presence of chromite in the heavy mineral concentrate of the Bullocks Head Gravel indicates that this particular drainage line included some of the Bald Hills Serpentinite body whereas the outcrops around the turn of Savage River had catchements of granite and metasediments only.

3.2.2. Exploration Views.

Alluvial gold is consistently won from creek material but although the grades may well prove economic the steep gradients

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of the creeks visited have prevented any worthwhile accumulations of alluvial material.

Anomalous golds in stream sediments occur over a strike length of about 3km. As yet soil and rock chip sampling have not yet outlined any one particular area for more detailed follow-up work.

Gold has been detected in the heavy mineral concentrate of the Bullocks Head Gravel. Although it appears to be finer grained than the golds in the surrounding creeks follow-up work is recommended.

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INDUSTRIAL MINERALS

During previous work which has centred on base and precious metals supplemented by refractory applications of the magnesite other curious deposits have been noted in passing. These include a clay associated with gravel and sand on Brown Plain, the residual complex which obscures the magnesite, some possible graphite occurrences and leucocratic rocks of indeterminate nature. First results from the clay desposit have been encouraging and a program for assessing miscellaneous odd rocks for industrial mineral potential is now underway although few test results are in hand as yet.

4. CLAY PROJECT, BROWN PLAIN

The initial observation was made by H. Shannon and is recorded in the report for 1983/84 (Penny, Shannon and Vanzino; 1984 p19). At the time the clay appeared unattractive because of organic contamination, but advice volunteered by Mr. Stan Cumberbatch of Bendigo Potteries (pers. comm. 1987) on organics in clay led to our sampling known exposures for assessment by Mr. John Hosking of Marafield Ltd. (Fig. 4.1). The results were sufficiently encouraging for the eastern cluster of samples and since then prospecting has revealed some more exposures, more samples have been taken (App. 6.0) and a levelled grid and access tracks have been set up for a drilling program.

4.1. Geology of the Brown Plain Formation.

The most informative exposure is at the bend at the edge of the plateau on the Rocky River track. This was cleaned off during road work with a bulldozer. The diagram Fig. 4.0 is a generalized picture of the features to be seen at this site.

The sequence is gravel with subrounded cobbles in pebbly sand matrix grading up to pebbly sandy gravel, then sandy clay which fines upwards; another pebbly sandy gravel, then the principal clay layer which is split by a thin granite-derived sand near the base and a thick granite-derived sand near the top. The preservation of fine lamination and plant fossil material in the clay is

Q. 027

evidence of its lacustrine character. From disconnected higher exposures there is evidence for further clay and granite-derived sand beds overlain by a sandy, quartz pebble-cobble gravel of more or less fluvial character. The whole area has a superficial blanket cover of gravel overlain by peat.

The basal, channel filling gravel is more fluvial in appearance than the others which look more like beach deposits. Gold and cassiterite occur in the lower gravel.

The main clay bed to the base of the upper sand split is of the order of 3m thickness at this site and in another exposed section 300m west but the sand/clay boundary below the upper split is much complicated by load casts and less regular forms of soft sediment deformation in which saucers of sand sink into the unconsolidated clay while blobs of clay squish up into the sand. It appears that a beach was being built out into the lake.

Given the lacustrine character and thickness of the clay and the fossil topography it seems likely that quite a large lake was present but with some islands in it. Therefore (a) the clay should be a persistent unit and (b) the sand splits could lens out away from the old shoreline.

The bedrock surface on which the Brown Plain Formation rests has a relief of 20m or so from the known high point at the entry to the gravel pits; 260m to the known low point on the track at the bend; 240m (using the contour map to estimate heights). Because of this relief it is not safe to estimate the clay volume simply from the contour map since there are going to be places where there is bedrock where clay would be expected. On the track the lowest point on the surface is in a gravel filled channel, 20m uphill there is a weathered bedrock outcrop (clay but with mica) at c. 245m more usual for the base of the gravel.

Groundwater movement in the sand beds and along joints in the clay has affected the adjoining parts of the clay mass. There are two forms of alteration:

- (a) Removal of the organics to produce a pink and more plastic clay relative to the hard, stiff chocolate brown fresh clay. The pink altered clay mostly occurs in a layer of variable

Q. 028

thickness up to 1m at the top of the major clay bed and up to 0.7m at the base. Where the sand penetrates most deeply in a load cast the pink clay is thickest. This proved to be the reason for the pinkish brown clay seen in sample GS 3.

- (b) Introduction of iron oxide pigmentation e.g. a lens with yellow limonite colour at the base of the major clay bed. This style of alteration is more prominent in the lower clay bed. Here the movement of iron is greater possibly because the clay itself grades into sand, but the bed is partly white and partly vividly coloured. This form of alteration is undesirable.

The corresponding effect in the gravels has been to produce pavements of silcrete on a minor scale.

The pinkish brown layers are cut off at the base of the superficial gravel cover which follows the modern ground surface below the peat cover. The process which formed them must therefore predate the present topography.

If the beds are truly horizontal it would appear that the major bed is at 255 - 258m elevation (interpolating from contours) and the minor bed at 251 - 253m. Other beds may exist elsewhere on Brown Plain west of the step at grid 47W.

The clay bed exposed at 471912, well west of the exposure discussed above is tentatively matched with the minor clay bed. At this point it is free of iron oxide staining and seems to be of good quality.

Between this area and the CR series samples the road crosses a level gravel covered surface for nearly 2km with one bedrock outcrop at 456912. If there is clay in the area (not unlikely) it will have to be found by drilling.

The derivation of the clay presumably follows that of the Brown Plain Formation generally as deduced from previous heavy mineral studies (Penny, et al 1984) where it is shown that the great characteristic of the formation is the presence of heavy minerals from sources well outside the modern catchment boundaries, but in the eastern part of Brown Plain the heavy mineral suite shows a local reduction in the serpentinite source proportion and correspondingly greater input from the nearby granite.

029

4.2. Possible applications of the clay.

The first possible use envisaged for the clay was as the ball clay element in a pottery feedstock. Discussions with Bendigo Potteries had revealed that a suitable white firing ball clay was lacking for their proposed Deloraine plant. Subsequent work has raised possibilities for pigment use and, in combination with a local source of talc; for casting slips.

4.3. Summary and discussion of initial test results.

The first round of tests are reported in detail in appendix 6. The pottery oriented work showed that, once a dispersion problem was overcome a white firing ball clay feed could be obtained from most samples from the east of Brown Plain, but not from any of the C.R. series samples westwards along the Corinna Road. The material is considered suitable for domestic use but is not good enough for export porcelain. Paradoxically, the satisfactory fired colour is largely due to the organic content containing oxidation of the iron content.

The performance of the clays in terms of fired colour is presumably best where the source approximates to pure Meredith Granite. This is likely to be restricted to the east of Brown Plain.

5. THE TALC RESOURCE AT MAIN CREEK

5.1. Introduction.

Talc schist has been known to occur in association with the magnesite deposit at Main Creek since the 1971 drilling program and since that time a variety of forms have been encountered in the area but they have not been followed through as an exploration target. More recently interest has been revived following examination of a talc schist from the MC 1 drillhole, with the suggestion that casting slips could be produced from the Brown Plain clay in combination with a local talc source. The talc resource is now being examined as an exploration target in its own right. (Fig. 5.0, App. 7.0).

A petrological specimen from the Rocky River track also contains talc.

The magnesite deposit comprises carbonate beds (about 90%) with greenschist interbeds. The talc is apparently a localized alteration product. In the main body of the carbonate beds disseminated talc can occur as a minor component of the magnesite rock itself. Brown and sometimes pyritic boundary phase talc occurs marginal to many of the carbonate beds abutting abruptly against the greenschist but with a gradational boundary into the carbonate. Some occurrences of crystalline talc and also fault-related talc are known.

Talc schist seems to be derived by alteration of the more usual chloritic greenschist interbeds.

The fresh carbonate rock is covered by a thick residual deposit which is either residual talc, sand or ochre depending on which impurity out of talc, quartz or FeO dominates in the original rock. The residual deposit tends to slump and break up to produce a talc-clast breccia with an earthy matrix including tilted blocks of talc schist and greenschist. The spectacular white talc apparently develops from the leaching of boundary phase talc, plus some possible vein talc.

5.2. Disseminated Talc.

This is an expression of the silica content of the rock that is generally less common than quartz. Given suitable metamorphic conditions quartz and magnesite react to make talc and the presence of both talc and quartz in the deposit has attracted comment since in theory there would be one or the other but not both. The patchy nature of the disseminated talc and the fracture filling crystalline talc that goes with it may be explicable in terms of permeability. For most of the magnesite body the silica is present as quartz, the crackle vein network is modified to a minor degree through recrystallization and adjacent greenschists can remain chloritic. All are features indicating a tight rock body from which CO₂ could not escape. The core known to contain talc shows extensive recrystallization of the crackle vein network with apparent introduction of silica and CaO relative to the corresponding stratigraphic interval in other drillholes. The veins with coarsely crystalline carbonates (sometimes including calcite) are probably the main channelways, with the talcose carbonate a form of wall rock alteration related to the vein system.

Thicknesses up to 7m of c. 20% talc occur in MC 28 DDH drillcore (see Frost, McCallum & MacRae, 1984, p11). The richer samples may include boundary phase talc and talc schist. The disseminated talc is not necessarily recoverable. Disseminated talc/quartz components are inconspicuous in core and can be picked up only with a mineral phase based sampling procedure as used by C.S.I.R.O. for MC 27 and 28 DDH's.

Residual talc results once the carbonate is leached out. Its distribution must follow that of the talc in the bedrock.

5.3. Boundary Phase Talc.

This is typically found at the boundary of a carbonate bed. In core it is brown massive talc usually with lenses and blobs of carbonate within it, mostly at the carbonate rock edge. Most examples in core are 0.5m thickness or less. It appears to exceed 90% talc.

c. 032
5.4. Crystalline Talc.

Only one drillhole locality is known for this material, from 237.5 to 237.9m in MC 27 but core loss here probably means the true width is double this. In the magnesite karst area the summit outcrop has a network of white vein talc. The drillhole example may be fault related.

5.5. Fault-related Talc.

The one well exposed locality for this is in a track cutting near the Long Plain South iron ore. Here the surface exposure is 3m wide. The material is sheared but otherwise resembles the residual type with a large proportion of the white variety derived from the boundary phase talc.

The special interest of the site is that in the fault environment deep leaching is likely so that the talc could be more persistent in depth and along strike than seems likely for the other types of talc deposit. It possibly reappears 2km away on the next saddle north. Just guessing at dimensions of 2m width * 50m depth * 1km, i.e. assuming some open cut mining gives a potential exploration target of 100,000 cubic metres.

5.6. Talc Schist.

The talc in this case appears to be due to a metasomatic alteration of original chloritic schist which develops preferentially inward from the carbonate margin, particularly where there is boundary phase talc present. Occasionally there are bars of talc schist within a thick greenschist. Beds can be identified which can be entirely talcose, talcose at the margins with a greenschist core, or all greenschist at various points. The thicker the bed the less it is affected, also it appears that the chloritic schist is susceptible to talc alteration but the amphibolites are not. The typical colour is grey to pinkish brown grey but some pale green occurs also. The ordinary greenschists are a darker green. It is possible that some dark green varieties of talc schist are confused with chlorite schist, also it is far from certain that the rocks classed a talc schist are free of chlorite, quartz or feldspar. Thicknesses of 1 - 3m are common and up to 6m beds are known.

Markers 4, 4z, 4y, 8 and 9 appear to be most frequently seen at surface as talc schist.

The talc schist could be selectively mined, probably in combination with the boundary phase talc. The persistence along strike of the talc schist character is apparently linked to the presence of talc in the magnesite rock but it seems that at least the talcose alteration at boundaries spreads a lot further. It seems that intersections such as those in drillholes e.g. MC 1; 1.8m, 3.1m which have corresponding surface outcrops; and MC 27; 2.15m, 3.3m, 1.55m, 1.6m for example represent bodies persistent on the scale of 100m or so. Surface work indicates that talc schist is more common than this with substantial talc schist beds exposed in almost all the tracks across the magnesite. The indications are that, with some swapping between different beds something of the order of 3 - 6m width of talc schist runs the length of the deposit. In the regolith zone the talc schist/greenschist/amphibolite beds stand or rather slump in a matrix of residual talc/ochre etc. so could be easily excavated. Unlike the residual talc the beds persist into the fresh magnesite body.

If interest is confined to the regolith zone, assuming 3m width * 20m depth * 2km gives 240,000 cubic metres to work on as a potential exploration target.

5.7. Residual Talc.

This form of talc deposit develops as leaching removes the carbonate from the disseminated and boundary phase types of talcose carbonate. In leached outcrop the talc becomes white. The typical expression of a magnesite bed in a track exposure is a porous ochre core, (with or without talc) with a strip of aligned lenses of white talc at each margin (developed from boundary phase talc). In the main residual talc exposure on the MC 28 track the core is mostly iron stained residual talc studded with nodules of white talc. The exposure is 5m across but contains some quartz sand. In principle there are processing options available to extract the high grade white talc and to remove the sand and perhaps the iron. Sand and ochre (fine grained iron oxides) are expected to be common contaminants, since

034

the leach residue of the carbonate rock is essentially a continuum with talc, ochre and sand as end members. The iron colouration will limit the possible applications of the talc.

Track exposures of residual talc which include the disseminated style source are uncommon at least partly the material is very weak, but an indication of the likely proportion of the magnesite regolith that is talc rich can be gained from the MC 27, 28 drill core where 14% has talc rich character. Boundary phase talc margins are typically 0.2m thick and occur along perhaps 30% of the marginal contacts.

It seems likely that accessible bodies of residual talc may occur over perhaps 10% of the carbonate rock subcrop to a thickness of the order of 10 - 20m. Assuming carbonate subcrop of 200m * 2,000m, 10% of this covered with 10m residual talc would make 400,000 cubic metres of material to work with for an exploration target.

5.8. Talc Breccia.

With collapse of a residual talc deposit a soil matrix breccia develops with clasts of white talc. The white talc could be extracted easily by washing it out from the earthy matrix which is the special attraction of this type of deposit. The best example is on the zig zag track near MC 9 RDH. The deposits of this style are likely to be small in themselves but would grade into larger bodies of residual talc.

5.9. Controls of Talc Mineralisation.

If the vein set with wall rock alteration hypotheses is correct it is possible that all styles of talc alteration are related to it. If the veins are in persistent clusters, as would seem likely from the MC 28 core the talcose alteration would be expected to form bars crossing the magnesite deposit with the talc mineralisation extending outwards from each cluster of veins, to degrees varying according to the susceptibility of the host rock. From direct evidence simple strike continuity along bedding is not indicated for the talc mineralisation and an irritating poddiness is possible.

5.10. Rocky River "White Rock".

The Rocky River track petrological sample is a strikingly white altered intrusive? apparently consisting of kaolin but containing about 25% talc plus relict quartzo-feldspathic material. Outcrop although poor indicates a substantial amount of the rock which may have potential as a paper filler.

036

6. OCHRE PROJECT:MAIN CREEK AND BOWRY CREEK MAGNESITE AREAS6.1. Introduction.

During the 1981/82 RAB drilling program pieces of a strange material were found floating in the mud pit of hole MC 19. Dried specimens would float on water. It was deduced at the time that it was a leach residue of the magnesite consisting of fine grained iron oxide with some potential in pigment applications. This potential was not followed up at the time. The ochre, considered as a "gossan" proved a useful mapping tool in interpreting road traverses, so several occurrences were noted in later detailed mapping work. The samples taken this season are intended to provide a representative collection of the known varieties of ochre for examination as pigments. (Fig. 5.0, App. 8).

6.2. Geology.

The ochre is part of the residual deposit which obscures the magnesite everywhere but in the vicinity of some creek sections. Over the thicker magnesite beds the residual cover is itself obscured by a transported soil breccia, so that the sample collection is skewed to the beds peripheral to the main magnesite beds. The ochre develops as a product of leaching of the magnesite combined with some illuvial addition of iron oxide, so that the end product, although remarkably light presumably contains more iron than can be explained as leach residue alone. The purest oxide ochres presumably derive from the low silica carbonates and the degree of contamination with quartz or talc reflects amounts present in the source material. Pure sand deposits develop downwards from the surface as the iron itself is leached out.

The ochres are likely to consist of a highly porous mass of fine grained limonite for the yellow to brown range of colours, with additions of some haematite in the case of the purplish forms and manganese oxides in the chocolate brown variety. The source material is entirely free of aluminous clay minerals and this feature must carry over into the ochre.

037

6.3. Colour range and distribution.

The colours vary substantially between sites but tend to be uniform within each local area; thus it should be possible to produce consistent batches for the end user. A medium brown is probably the commonest colour. It was characteristic of the MC 19 floating ochre and can be observed in several surface outcrops. The purplish brown variety is locally abundant e.g. in the residue over magnesite in the zig zag track area (MC 3/4) where it appears to be 12 - 15m thick. A dark chocolate brown form is known from two surface outcrops in road sections in the Bowry Creek area only. A striking yellow mudflow was observed during the drilling of the MC 24 hole but none of the corresponding solid yellow ochre was recovered. The yellow variety in surface outcrop appears always to have a sand admixture.

The colours have high chroma, although the range available is more subdued than some earth pigment assemblages and lacks a good red. Perhaps calcining the ochre may produce a range of red colours given that the one naturally calcined specimen is a deep pink.

7. SILICA SAND PROJECT: MC 28 TRACK7.1. Introduction.

The residual sand on the Doodie Dolomite near Corinna is now being developed as a source of exceptionally high grade silica suitable for optical glass. Sands of similar origin occur in places over the magnesite body and while it has been anticipated from the start that iron content would be relatively high, owing to the iron content of the carbonate source material, it is still possible that it could find application in glassmaking.

7.2. Commentary on previous sampling results.

Last season 3 samples were collected and sieved to give -40 and +40 fractions which were analysed separately. The results were unexpected so were simply recorded without comment, in the hope that subsequent sampling would sort out the problem. The laboratory could not rule out the possibility that iron had been introduced to the samples during processing.

The interpretation now offered is as follows: (a) sample 86/0122 which was supposed to be control sample from the Corinna deposit is actually a near duplicate of 86/0120, known to have been taken at the time and which was to have been swapped for the control sample. (b) an extra 0 has been accidentally added to the iron results as they have been overstated by a factor of 10.

7.3. Geology.

The sand develops as a surface hugging sheet once leaching progress beyond the stage needed to produce an ochre. An early stage in the process is observable near MC 11/12, close to Main Creek where leaching over a relatively young surface has already produced about a metre of sand above an irregular hardpan. The old surface of the MC 28 area has a greater thickness of sand with as yet no exposed base.

039

The sand thicknesses of the order of <20m reported from Corinna seem to require more than a simple residual accumulation. The obvious mechanism of sand washing into sinkholes does not work at Corinna because of chromite bearing pebble gravel covers the area and is not seriously mixed with the residual style sand. A possibility is that the very thick sands have developed from the leaching of breccia pipes (developed at depth by the upward stoping of a cavity). But the thick sands may simply be the result of solution weathering keeping ahead of the general erosion rate for long enough.

7.4. Geochemistry.

The sand is higher in impurities than the Corinna material except for CaO in the Corinna sand CaO exceeds MgO, at Main Creek it is the other way round showing that the source rock differences still show up despite the intense leaching, and as anticipated, the iron content is also source related. A surprise is the very high TiO₂ content which will aggravate the iron problem, however the titanium values seem linked to edge effects as the sand approaches a greenschist boundary. It is significant that the better samples come from areas at least 5m from any greenschist. In all probability the best sample is the most representative of the sand body anticipated to exist for 200m or more northwards from the MC 28 track.

The oversize fraction contains about double the proportion of iron, titania and manganese relative to the fines.

040

8. GRAPHITE PROJECT: CORINNA ROAD

8.1. Introduction.

One of the curiosities of Savage River geology is the presence of black cleaved rocks presumed to be graphite schists, broadly speaking though most would be strictly phyllites. The black rocks are mostly in the Oonah Formation but one good example is in the Bowry Formation. (Fig. 5.0, App. 9).

041
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APPENDIX 1.0DAVIS CREEK PROSPECTA.1.1. Davis Creek Soil Samples - Location, Horizon, Colour
Remarks and Analyses.

Geochemical Reports:

Analabs	236.1.08	3963	11.8N	52090 - 52220
			11.9N	51960 - 52210
			12.0N	52150 - 52420
			12.1N	51910 - 52420
			12.2N	51960 - 52470
			12.3N	52260 - 52440
	236.1.08	3977	11.465N	51150 - 52255
			11.6N	51260 - 51610
			11.8N	51960 - 52080
	236.1.08	3984	11.6N	51620 - 51700
			11.7N	51350 - 52200

Cont'd over..

...2...

236.1.08	4003	11.465N	52260 - 52320
		11.6N	51710 - 52345
		11.7N	52210 - 52360
		11.8N	52260 - 52400
		11.9N	52220 - 52440
		12.4N	52010 - 52460
		13.0N	51720 - 52490
236.1.08	4052	12.7N	51530 - 51830
		12.8N	51540 - 52300
		12.9N	51590 - 52360
		13.0N	51600 - 51690
236.1.08	4077	12.5N	51440 - 51620
		12.6N	51500 - 52310
		12.7N	52170 - 52330
236.1.08	4140	12.0N	51960 - 52140
236.1.08	4175	11.6N	51960 - 52100
		11.7N	52180 - 52100
		13.0N	51740 - 51870
236.1.08	4228		various reassays

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A.1.1.1.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
11.465	51150	0.5	C	Green brown	greenschist		70	4	.02
	51160	0.6	C	"	"		25	5	.02
	51170	0.4	C	silver grey	schist		x	2	x
	51180	0.2	C	"	"		80	5	.01
	51190	1.0	C	brown black	Ex Qtz/Goethite/ Siderite rock		10	3	.03
	51200	0.6	C?	"	"	Adit 4m long due E	5	8	.01
	51210	1.0	C	red brown/green			5	7	.01
	51220	0.9	C	brown green	greenschist		10	4	.01
	51230	1.3	C	orange red		'gritty' qtz.	5	4	.01
	51240	1.3	C?	red brown			x	4	.01/.02
	51250	1.2	C	red brown black		friable	5	5	.01
	51260	0.7	C	green brown	greenschist		30	4	.01
	51270	1.2	C	green	"		15	4	.01
	51280	1.5	B	NO SAMPLE					
	51290	0.9	C?	green brown	greenschist		25	7	.01
	51300	0.3	C	green	greenschist		15	2	.01
	51310	1.2	C	green & brown	"		15	5	.01
	51320	1.3	C	green	"		15	3	.02
	51330	1.2	C?	brown	"	Float?	105	3	.04
	51340	0.6	C	dark green	"		30	2	.02
	51350	0.7	C	pink & white	Fe stained schist	foliated	20	2	.02/.01
	51360	0.4	C	bright orange - brown			15	5	.03
	51370	1.0	C	pale yellow brown		banded, friable	10	1	x
	51380	0.7	C	creamy orange brown			25	6	.01
	51390	1.3	C	pale yellow- brown		banded	80	5	.01
	51400	0.2	C	"		"	30	2	x
	51410	0.2	C	pale fawn		'sticky' clays	155	2	x
	51420	0.4	C	yellow brown		red tinge c.f. line 12.0 51680	290	12	x
	51430			NO SAMPLE					
	51440	0.3	C	red brown green	schist	mottled	100	2	x
	51450	0.3	C	"	"	"	50	1	x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Al ₂
11.465	51460	0.7	C	red brown green	schist	mottled	60	1	x/x
	51470	1.0	C?	red brown		green tinge W.R. at 51475	70	2	x
	51480	0.6	C	brown orange		crumbly	80	1	x
	51490	1.3	C	"		red tinge	100	x	.01
	51500	1.2	C	"	schist	banded red Fe stained	90	x	x
	51510			NO SAMPLE					
	51520	0.5	C	cream orange - br.		sandy	60	1	x
	51530	1.3	C	orange brown			215	2	x
	51540	ROCK CHIP	-	Fe stained	schist		95	3	x
	51550	1.2	C	yellow brown black		mottled, clear qtz.	320	2	x
	51560	0.5	C	red brown		friable	110	2	x
	51570	0.4	C	"		"	105	3	.01/.01
	51580	0.5	C	purple green	greenschist	mottled	205	2	.02
	51590	0.6	C?	green brown			160	2	.01
	51600	1.5		NO SAMPLE					
	51610	0.7	C?	green brown		purple Fe stain	260	4	.01
	51620	1.1	C	red brown		friable	260	5	x
	51630	0.8	C	"	greenschist	green tinge	180	4	x
	51640	1.0	C	brown black		friable	175	4	x
	51650	0.3	C	red brown	greenschist	green tinge	135	3	.02
	51660	0.7	C	"	"	"	275	7	x
	51670	0.8	C	red brown			160	6	x
	51680	0.8	C	red brown		friable, green tinge	280	2	.02/.01
	51690	1.2	C	mid brown black		friable	195	3	.01
	51700	0.5	C?	mid brown			280	6	x
	51710	0.4	C	orange & red		crumbly	255	2	.01
	51720	0.6	C?	"		"	180	6	.12
	51730	0.7	C	"		"	80	4	.02
	51740	0.7	C	"		"	260	5	x
	51750	0.7	C	"		"	165	5	x
	51760	0.7	C	green brown	greenschist	mottled	255	7	x
	51770	0.7	C	green browns	greenschist	mottled	235	17	x
	51780	0.8	C	red brown		friable, qtz.	265	8	.01/.01

046

905047

A.1.1.3.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
11.465	51790	0.6	C	cream brown			40	9	x	
	51800	0.9	C	green brown		friable, mottled	75	29	x	
	51810	1.1	C	pale green brown		friable	140	300	.01	
	51820	0.2	C	cream red brown		sandy texture	230	10	.01	
	51830	1.1	C	green brown		mottled	60	8	.01	
	51840	1.3	C	cream red & br.		mottled, banded	150	8	.02	
	51850	1.1	C	creamy orange		sandy clays	55	14	x	
	51860	1.2	C	"		"	90	19	.01	
	51870	0.3	C	red brown		mottled, friable	115	8	x	
	51880	0.7	C	"		"	135	18	.01/.01	
	51890	0.3	C	"		friable	170	15	x	
	51900	0.6	C	rich red		haematitic	130	7	x	
	51910	0.6	C	green brown	greenschist	mottled	110	11	x	
	51920	1.2	C	orange green	schist	banded	150	19	x	
	51930	0.8	C	green brown	greenschist		110	10	.01	
	51940	0.6	C	orange		friable	100	8	.01	
	51950	0.4	C	green	greenschist	banded	70	14	x	
	51960	0.7	C	greenish brown		crumbly	110	4	x	
	51970	0.5	C	green	greenschist		90	7	x	
	51980	0.4	C	grey green	"		70	6	x/x	
	51990	1.1	C	red & green	schist	banded	125	2	.02	
	52000			NO SAMPLE						
	52010	0.6	C	red brown	greenschist		160	5	x	
	52020	0.4	C		"		80	2	x	
	52030	0.3	C		silver grey schist		85	3	x	
	52040	0.3	C		"		10	1	.01	
	52050	ROCK CHIP		greenschist			5	2	x	x
	52060	0.2	C	pale green	greenschist	friable	20	3	.01	x
	52070	0.2	C?		"	float?	25	8	.03	.01
	52080	0.30	C	pale green	greenschist	friable	10	1	.03	x
	52090	0.30	C	"	"	" creek bed	20	2	.21/.17/.15	
	52100	0.60	C		mid grey schist		20	1	.02	x
	52110	1.10	C	green	greenschist		75	7	.02	x
	52120	0.6	C	pale brown			95	4	.01	x
	52130	1.0	C	cream brown		mottled	65	1	x	.01

047

905048

A.1.1.4

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
11.465	52140			NO SAMPLE					
	52150	0.6	C	green orange br.			40	1	.01
	52160	0.7	C	green brown	greenschist	'blebs' of pyrite in paleo 'A' horizon	400	11	.03
	52170	0.8	C	dark grey	graphitic schist		185	16	.04
	52180	0.8	C	green	greenschist		10	7	.03
	52195	1.2	C	pale green	"		x	1	.02
	52205	0.7	C	green brown	"		50	6	.03/.03
	52215	0.8	C	green	"		20	2	.02
	52225	1.3	C?	cream brown		banded	35	22	.03
	52235	0.7	C	cream orange		sandy	30	3	.03
	52245	0.5	C?	yellow brown		friable	25	4	.03
	52255	0.4	C		greenschist		130	7	.03
	52260	1.0	C?	brown green	schist	friable, spoil?	25		x
	52270	1.1	C?	green brown		transported?	40		x
	52280	1.1	C	orange		friable	65		.01
	52290	1.0	C	green brown		hardpan	50		x
	52300	0.7	C	green	greenschist	friable	65		x
	52310	ROCK CHIP	-	greenschist			15		x
	52320	0.4	C	dark green	greenschist		25		.01
11.6	51260	ROCK CHIP	-	brecciated sandstone/quartzite			10	2	.02
	51270	ROCK CHIP	-		"		5	2	x
	51280			NO SAMPLE					
	51290	1.3	C?	orange brown/red		banded	10	5	.02
	51300	1.4	C	blue green			10	5	.02
	51310	1.1	C	brown black	Ex. Ore rock	qtz. rich sands	25	5	.02
	51320	ROCK CHIP	-	Goethite/Siderite/Qtz. Ore rock			5	13	.02
	51330	0.9	C	red brown		green tint	15	7	.03
	51340	1.0	C	"		"	20	4	.02
	51350	1.1	C	orange brown & cream		mottled, banded	55	3	.02
	51360	1.2	C	dark green	black banded	Amphibolite?	100	3	.03/.04
	51370		C	bright orange br.		sample in W.R.	65	4	.01
	51380			NO SAMPLE					

048

905049

A.I.I.S.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
11.6	51390	1.5	C	pale yell. br.		mica rich	65	3	.02
	51400	1.0	C	"		"	30	4	x
	51410	1.2	C	"		"	105	7	.01
	51420	1.0	C	"		"	45	4	.01
	51430	1.4	C	"		schistose	45	3	.01
	51440	1.4	C	red brown		banded	120	2	.02
	51450	0.2	C	yellow brown, in W.R.		Parallel to line	30	1	x
	51460		C	"		"	25	2	.02
	51470		C	"		"	15	1	x/x
	51480		C	"		"	55	2	.02
	51490		C	"		"	245	4	.01
	51500		C	"		"	130	2	.01
	51510		C	"		"	110	2	.03
	51520	1.2	C	creamy yell. br.		schistose clays	50	4	.01
	51530	1.1	C	"		"	200	22	.01
	51540	1.4	C	green red brown	greenschist	quartz	225	4	.01
	51550	1.1	C	green brown	"		70	4	.01
	51560			NO SAMPLE				4	.01
	51570	1.1	C	red green brown		mottled	145	2	.03
	51580	0.5	C	cream br.-green		friable, sandy	45	2	.01/.04
	51590	1.3	C	orange brown		crumbly	85	2	.01
	51600			NO SAMPLE					
	51610	0.3	C	purple & br.	schist	banded	240	7	.02
	51620		B/C	sticky brown & red friable		clays	125	3	x
	51630	1.1	C?	mid brown		red tint	210	3	x
	51640	1.3	C	yellow brown		mottled	310	1	x
	51650	0.8	C	green brown	greenschists		295	x	x
	51660	0.5	C	"	"		240	3	.02
	51670	0.2	C	"	"		435	1	x
	51680			NO SAMPLE					
	51690	0.8	C	red brown			135	2	x
	51700	1.2	C	yellow brown	schist	schistose clays	60	2	x
	51710	0.8	C	orange-brown			25		x
	51720	0.8	C	deep rust red		friable, blotchy black	65		x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
11.6	51730	1.1	C	orange-brown		crumbly	100		x/x
	51740	1.2	C	"		"	90		x
	51750	1.3	C	"		"	85		x
	51760	1.45	C	"	schist		70		x
	51770	0.8	C	ora-br & red		crumbly	70		x
	51780	1.0	C	orange-brown	schist		105		x
	51790	0.5	C	green & ora-br			215		x
	51800	1.3	C	yellow-brown		crumbly	100		x
	51810	1.3	C	orange-yellow		" & mottled	505		x
	51820	1.2	C	red-brown	schist	mottled	130		x
	51830	1.3	C	red-yell-brown		crumbly	235		x/x
	51840	0.8	C	green-brown		schistose	135		x
	51850	0.8	C	brown-red		crumbly	115		x
	51860	0.3	C	"		"	180		x
	51870	0.2	C	"		"	195		.01
	51880	0.8	C	dark green	greenschist	Fe stained bands	75		x
	51890	0.7	C	bright yellow		friable	130		x
	51900	0.9	C	red yell brown		mottled	160		x
	51910	0.5	C	"		friable	490		x
	51920	0.8	C	"	schist		255		x
	51930	0.6	C	mid brown		friable	315		x/x
	51940	0.8	C	red yel brown		friable	220		x
	51950	0.8	C?		greenschist	float?	205		.01
	51960	0.6	C	green-brown	"	friable	45		.05
	51970	0.6	C	lt ora-brown	"	float (?)	30		.05
	51980			ROCK CHIP - Blue green schist			20		x
	51990	0.8	C	blue green	greenschist		45		x
	52000	0.7	C	dark green	"		45		x
	52010	0.5	C	dk green brown		foliated	165		x
	52020	0.4	C	orange brown		sandy	30		x
	52030	0.8	C	light brown		friable & hard	x		.03
	52040	0.7	C	gr-br. & yell.		friable	10		.02
	52050	0.8	C	light brown		friable with hard-pan	x		x
	52060	0.8	C	"		"	5		.02
	52070	0.8	C	fawn		"	x		x

050

905051

A.1.1.1.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au Rpt
11.6	52080	0.8	C	light brown		friable with hard-pan	x		x
	52090	0.8	C	green-br & yellow		friable	40		x
	52100	0.8	C	mustard yellow		"	70		x
	52110	0.9	C	green brown		friable	50		x x
	52120	0.9	C	"	greenschist	"	35		x x
	52130	0.9	C	yellow brown		"	55	x/x	x
	52140	0.6	C	green brown	greenschist	schistose clays	45		x x
	52150	1.0	C	creamy yellow		schistose clays	45		x x
	52160			NO SAMPLE - Creek bed					
	52170			NO SAMPLE - Creek bed					
	52180	0.7	C	dark green	greenschist		5		x
	52190	1.3	C	green	greenschist		10		x
	52200	0.8	C	dk brown/green	silverschist		5		x
	52210	0.8	C	dark green		schistose clays	10		x
	52220	0.7	C	"		"	15		x
	52230			NO SAMPLE					
	52240	1.0	C	pale cream		banded, sandy	90		x
	52250			NO SAMPLE - Roadside spoil					
	52260	0.1	C	outcrop of weathered greenschist			20		x
	52270	1.3	C	white & creamy brown		mottled	15		x/x
	52280	0.7	C	orange brown		friable	55		x
	52290	1.1	C	"		green tint, friable	70		x
	52300	0.9	C?	dk browns & greens		Spoil?	40		x
	52310	0.7	C	green	greenschist		40		x
	52320			NO SAMPLE					
	52330	1.0	C	dk brown/black	greenschist	mottled	60		x
	52340			NO SAMPLE					
	52345			ROCK CHIP - Dark green schist - KAYSERS CREEK			30		x
11.7	51350	1.2	C		mottled sands	Fe staining	50	3	x
	51360			ROCK CHIP - Quartzite			5	x	x/x
	51370			ROCK CHIP - Quartzite			5	x	x
	51380	1.1	C	white fawn	quartzite		15	2	x
	51390	1.3	C	cream brown			50	4	x

051

905052

A. I. I. O.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (DDM)		
N	E						Cu	As	Au
11.7	51400			ROCK CHIP - silver grey phyllite			10	x	x
	51410			ROCK CHIP - Fe stained green grey schist in W.R.			30	1	x
	51420			ROCK CHIP - orange brown Fe stained in W.R.			50	2	x
	51430	0.8	C	mid brown	schist	friable	10	2	x
	51440	0.8	C	green brown	greenschist	mottled, schistose	150	6	x
	51450	0.6	C	green brown	"		105	1	x
	51460	1.0	C	mottled browns		crumbly	95	2	x/x
	51470	0.6	C	orange red			170	1	x
	51480			ROCK CHIP - orange red in W.R.		W.R. 51485	100	1	x
	51490			ROCK CHIP orange browns in W.R.			145	1	x
	51500			ROCK CHIP orange browns in W.R.			210	3	x
	51510	0.8	C?	red brown	olive green schist	transported?	130	5	x
	51520		C?	orange brown			140	4	x
	51530			ROCK CHIP)		Sample in W.R.	100	x	x
	51540			ROCK CHIP)	orange brown	"	340	x	x
	51550			ROCK CHIP)	red tinge	"	375	x	x
	51560	0.3	C?	green red brown		mottled	195	1	x/x
	51570	1.0	C	green yell/brown		friable	100	2	x
	51580	0.6	C	green red brown		friable	120	1	x
	51590			ROCK CHIP - dark green, dense, foliated			105	1	x
	51600			ROCK CHIP - " " "			80	1	x
	51610	1.1	C	yell brown/white	schist	banded	70	2	x
	51620	1.4	C?	red brown	schist	Fe stained	285	2	x
	51630	0.9	C	red brown	schist	Fe stained	125	x	x
	51640	0.6	C	"	"	"	320	2	x
	51650	0.8	C	"	"	"	150	1	x
	51660	0.8	C	green brown	greenschist	red tinge, mottled	290	1	x/x
	51670	0.4	C	mid green	"	friable	75	3	x
	51680	1.0	C	tan brown		friable, mottled	130	6	x
	51690	1.1	C	pale green	greenschist		75	2	x
	51700	0.8	C	salmon pink	schist		85	2	x
	51710	1.0	C	yell & red pink	schist	banded	155	1	x
	51720	1.3	C	khaki brown	schist	schistose clays	45	1	x
	51730	0.9	C	dk reds greens br	schist	banded	185	2	x
	51740	0.6	C	dark green	greenschist		75	1	x

052

905053

A.1.1.9

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
11.7	51750	1.0	C	green & orange br		subtly banded	90	5	x
	51760	1.5	C	green & brown	greenschist		90	4	x/x
	51770	1.2	C	yell br & red br		mottled	115	3	x
	51780	1.5	C	red brown		crumbly	115	x	x
	51790	1.3	C?	orange		red tinge	70	1	x
	51800	0.3	C	brown red		crumbly	70	2	x
	51810	0.6	C	orange brown red		"	65	1	x
	51820	0.7	C	creamy yell-br		friable, schistose	35	x	x
	51830	0.4	C	green brown	greenschist	banded	50	3	x
	51840	1.3	C	greens & browns	"	mottled, schistose	630	4	x
	51850	0.8	C	pinky brown	schist	51885 creek bed	90	5	x
	51860	0.4	C	orange brown	greenschist	green tinge	40	3	x/x
	51870	0.4	C	"	"	"	105	5	x
	51880	0.2	C	"	"	manganese staining	200	5	x
	51890	0.4	C	dark brown	schist	friable	115	1	x
	51900	0.3	C	orange br green		crumbly	150	2	x
	51910	0.6	C	yell br/red br		mottled	160	1	x
	51920	0.2	C	red brown black		crumbly	165	4	x
	51930	0.4	C	green & red	schists		255	2	x
	51940	0.4	C	green brown	greenschist	mottled	180	1	x
	51950	0.4	C	brown & black		mottled	100	2	x
	51960	0.3	C	red brown		green tinge, friable	205	1	x/x
	51970	0.4	C	red brown		"	215	3	x
	51980	0.7	C	"		"	110	2	x
	51990	0.8	C	green brown		mottled	110	5	x
	52000	0.6	C	green brown		friable, +qtz, sandy	90	10	x
	52010	0.8	C	mid brown		crumbly, red tinge	260	3	x
	52020	1.2	C	green browns	greenschist	micaceous	135	8	x
	52030	0.8	C	"	"	"	75	4	x
	52040	1.2	C	"	"	"	105	16	x
	52050	0.8	C	yellow brown		micaceous, banded	50	8	x
	52060	1.2	C	mottled browns			80	3	x/x
	52070	0.7	C	mid brown		micaceous, friable	15	5	x

053

905054

A-1-1-10.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
11.7	52080	0.6	C	lt tan-brown		friable, hard pan	10		x	
	52090	0.6	C	light grey	phyllite	speckled	x		x	
	52100	1.1	C	"	"	"	70		x	
	52110	1.3	C	light green	ex greenschist	schistose	30	18	x	x
	52120	0.8	C	brown		mottled, micaceous	40	19	x	x
	52130	1.0	C	cream-brown		mottled	15	9	x	x
	52140	1.0	C	silvery-grey and brown	schist		10	4	x	x
	52150	0.4	C	"	"		50	17	x	x
	52160	0.8	C	pale green-brown		schistose	85	15	x	x
	52170	1.1	C	brown-red		friable with qtz.	200	18	x	x
	52180	1.2	C	yellow-orange		friable	65	6	x	
	52190	0.2	C	red-brown		"	115	15	x/x	
	52200	0.6	C	lt br & green		mottled	20	13	x	
	52210	0.7	C	brt ora & cream			15		x	
	52220	0.3	C	green & ora.	ex gr-schist	friable	10		x	
	52230	1.1	C	"	"		5		x	
	52240			NO SAMPLE		GRAVELS				
	52250			NO SAMPLE		SPOIL				
	52260			NO SAMPLE		SPOIL				
	52270	0.3	C	green	ex greenschist		x		x/x	
	52280	0.1	C	green	"		20		x	
	52290	0.1	C	green	"		20		x	
	52300			NO SAMPLE		SPOIL				
	52310	0.5	C	green-brown		friable, Fe stained	30		x	
	52320	0.6	C	dark green	greenschist		45		x	
	52330	0.5	C	green-brown	"	mottled	40		x	
	52340	0.5	C	"	"	"	80		x	
	52350	ROCK CHIP			pyritic gr-schist		60		x	
	52360	ROCK CHIP			dyke rock?	Kaysers Creek	30		x	
11.8	51960	0.7	C	pale yell-br	schist	friable	30	3	.01	
	51970	0.7	C	orange-brown		friable	40	5	.01	
	51980	0.8	C	"		"	175	3	.02	
	51990	0.5	C	"		"	205	3	.01	

054

905055

A.1.1.11.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
11.8	52000	0.4	C	red-brown		friable	190	6	.01	
	52010	0.3	C	orange-brown		"	160	4	.02	
	52020	0.6	C	green & br.		greenschist	20	18	.01	
	52030	0.3	C	orange-brown		sands	60	10	.02/.01	
	52040	0.3	C	"		"	90	7	x	
	52050	0.7	C	dark grey	schist		195	3	x	
	52060	1.0	C	green		ex greenschist	70	2	.02	
	52070	0.6	C	green-brown	ex gr-schist	banded	130	3	.01	
	52080	1.3	C	"	"	"	150	9	.01	
	52090	0.6	C	green	"	band	35	25	x	
	52100	1.3	C	pale br-silver	schist		5	3	x	
	52110	1.3	C	pale green	greenschist	with quartz	5	2	x	
	52120	0.4	C	dark green	greenschist		10	9	x	x
	52130	0.8	C	pale ora-grey		sandy	10	16	x	x
	52140	0.7	C	pale gr-br.	ex gr-schist		30	57	x	x
	52150	1.5	C	dk gr-grey	greenschist	graphitic	60	140	.01	.02
	52160	0.5	C	green	"	quartz rich	15	16	.03	x
	52170	0.7	C	brown-green	ex gr-schist	mottled	25	20	x	x
	52180	0.7	C	purple-yell. - brown	ex gr-schist	schistose	155	16	x/x	x
	52190	0.6	C	orange-brown		friable	55	3	x	x
	52200		ROCK	CHIP	schist	Fe stained	120	2	x	
	52210		ROCK	CHIP	schist	Fe stained	150	x	x	
	52220	0.3	C	red-brown		Fe stained	190	5	x	
	52230			NO SAMPLE						
	52240			NO SAMPLE	ROAD	SPOIL				
	52250			NO SAMPLE	ROAD	SPOIL				
	52260	1.1	C	yell-brown		sandy	25		x	
	52270	0.8	C	pale brown		friable	120		x	
	52280	0.7	C	red-gr-brown		mottled	305		x	
	52290	1.2	C?	yell-brown		mottled	145		x	
	52300	1.4	C	yell-brown		schistose	90		x	
	52310	1.2	C?	mid brown	schist	with quartz	35		x	
	52320	1.0	C	pale gr-yell		friable	35		x	
	52330	1.0	C	brown-green	greenschist	banded	30		x	
	52340	0.8	C	green-brown	"		25		x	

055

905056

A.1.1.12.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
11.8	52350	0.4	C	blue-green	greenschist		100		x/x	
	52360		ROCK CHIP		pyritic gr-schist	Kaysers Crk	10		x	
	52370	0.4	C	dark green	greenschist		25		x	
	52380	1.2	C?	pale blue-br	"		90		x	
	52390	1.1	C	dark green	"		75		x	
	52400	0.6	C	"	"		120		x	
11.9	51960	1.2	C	light brown		friable	60	4	x	
	51970	1.1	C	dk blue & br	blue schist		100	4	x	
	51980		ROCK CHIP		greenschist		80	2	x	
	51990	0.5	C	silver grey	schist		110	87	x	
	52000	0.2	C	orange	silver schist		20	12	x	
	52010	0.2	C	"	"		160	2	x	
	52020		ROCK CHIP		greenschist	with quartz	90	14	x	
	52030		ROCK CHIP		"	"	20	9	x	
	52040	0.3	C?	brown	"		65	9	x	
	52050	1.2	C?	red br & black		friable	110	62	x	
	52060	0.5	C	pale green	greenschist		70	10	x	
	52070	0.4	C	dark green	"		50	5	x	
	52080	0.8	C	red/br/green		mottled	125	26	x	
	52090	0.8	C	"		"	195	10	x	
	52100	1.1	C	"		"	100	23	x	
	52110	1.3	C	orange brown		friable	120	95	x/x	
	52120	0.7	C	pale green	greenschist	friable	15	15	x	
	52130	0.3	C		graphitic schist		x	6	x	
	52140	0.6	C	lt grey & tan		sands	10	21	x	x
	52150	0.6	C	"		"	10	93	x	x
	52160	0.4	C	"		"	5	24	x	x
	52170	1.1	C	green brown	greenschist	friable	35	230	x	x
	52180	1.3	C	"	"	"	90	340	x	x
	52190	1.3	C	brown green	"		15	17	x	
	52200	0.1	C	pale orange			15	13	x	x
	52210	1.2	C	green browns	greenschist	mottled	35	5	x/x	x
	52220	1.1	C	ora-red-brown		friable	90		x	x
	52230	0.4	C	gr-red-brown	greenschist		170		x	x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
11.9	52240	1.0	C	green-brown	greenschist	crumbly	135		x	x
	52250	1.5		NO SAMPLE						
	52260	0.8	C	bright orange		sandy	55		x	x
	52270	0.9	C?	yellow-brown		sandy	170		x/x	
	52280	0.8	C	green	greenschist	schistose	115		x	
	52290	1.1	C	pale green- brown	"	"	85		x	
	52300	0.4	C	mid brown		"	40		x	
	52310	0.4	C	yellow-brown		"	35		x	
	52320	1.1	C?	mid-brown		green tinge	40		x	
	52330	0.2	C	orange & grey	greenschist	banded	90		x	
	52340	0.3	C	green & brown		sandy	10		x	
	52350			NO SAMPLE		GRAVELS				
	52360	0.9	C?	pale grey-green			5		x	
	52370	0.8	C	mid-green	greenschist		50		x	
	52380	0.7	C	dark green	greenschist		20		x/x	
	52390	0.8	C	"	"		30		x	
	52400	0.6	C	mottled brown-green		friable	40		x	
	52410	0.9	C	dark green	greenschist		20		x	
	52420	1.0	C	dark green	"		60		x	
	52430	1.4	C	silver-grey		graphitic Oonah (?)	x			.06
	52440	0.6	C	silver-grey	schist	Oonah (?)	x			x
12.0	51960	0.7	C	mid-brown & green		mottled	50		x	
	51970	0.8	C	"		"	225			.02
	51980	0.7	C	green-grey	schist		140			.04
	51990	0.7	C	orange & cream yellow		mottled	75			.02
	52000	0.4	C	red-brown & green		"	80		x	
	52010	0.7	C	grey-green & red-brown	schist	white spots	85			x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.0	52020	0.6	C	red-brown & green		banded	185			x
	52030	0.2	C	green	greenschist	6 holes	200			x
	52040	0.4	C	green-grey	"	banded	350			x
	52050	?	C(?)	brown		float (?)	140			x
	52060	?	C(?)		greenschist and quartzite chips	within brown clays	155			x
	52070	0.4	C	green	greenschist		35			x
	52080	0.7	C	green	"	friable	55			x
	52090	0.7	C	green & green-brown		"	120			x
	52100	1.2	C	green	greenschist	some B material	95			x
	52110	1.3	C	red-orange		friable, hard pan	90			.02
	52120	1.2	C	orange-brown		friable	250			.01
	52130	1.1	C	green & red-brown	greenschist	streaked	155			x
	52140	0.7	C	orange-green & red		mottled & friable	125			x
	52150	1.0	C	green	greenschist		50	51		x
	52160	0.4	C	"	"		10	14		x
	52170	0.3	C	"	"		20	56		x x
	52180	0.5	C	"	"		10	56		x x
	52190			NO SAMPLE						
	52220	0.5	C?	black-green	-	friable clays	40	250		x x
	52210	0.7	C?	dark blue grey	dark blue schist	Sample taken on Roadside	65	200		.02 x
	52220	0.3	C	brown green	-	mottled, with quartzite	50	35		x x
	52230	0.6	C	pale green- white	C.M. schist	quartz rich	30	11		x x
	52240	1.2	C	orange clays	-		30	31		x
	52250	0.6	C	"	-		30	18		x/x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	
12.0	52260	0.8	C	green	greenschist		115	36	x	
	52270	0.8	C	dark green	dk green schist		40	15	x	
	52280	1.2	C	white to cream	-	clays	100	24	x	
	52290	0.7	C	purple brown	-	foliated clays	80	20	x	
	52300	0.7	C	"	greenschist	"	95	25	.01	
	52310	0.8	C?	green brown	schist	Fe stained	100	21	x	
	52320			NO SAMPLE	KAYSERS CREEK BED					
	52330	0.7	C	dk blue grey	dk blue grey schist	sandy	280	11	.01	
	52340	0.4	C	dk blue gr.	dk gr. schist		45	4	x	
	52350	1.2	C?	cream brown	mica schist	sandy interbed?	10	2	.11	
	52360	0.4	C?	"	"	"	10	1	.01	
	52370			NO SAMPLE	Eastern Trib of Kaysers Crk					
	52380	0.9	C	brown green	greenschist		20	6	.03	
	52390	0.5	C	"	"		25	14	.01	
	52400	0.8	C	yell brown	mica schist	foliated	15	8	x	
	52410	1.1	C	khaki green	greenschist		35	10	x	
	52420	1.1	C	"	"		20	8	x	
	12.1	51910	1.4	C	yell brown	schist	banded	80	26	x
		51920	1.4	C	pale green/ red brown	greenschist	mottled	75	94	x
		51930	1.1	C	yell brown	schist	banded	50	20	x
51940		0.8	C	brt orange	greenschist		45	13	x/x	
51950		1.0	C	green	"		30	10	.02	
51960		0.6	C	"	"	banded	25	28	x	
51970		0.7	C	"	"		25	39	x	
51980		0.4	C	yel-red br.	schist		90	46	x	
51990		1.4	C	red brown		friable	245	27	x	
52000		0.5	C	"		"	75	8	x	
52010		0.8	C	brown		"	120	10	x	
52020		1.2	C	"		banded clays	145	6	x	
52030		1.2	C	green brown	greenschist	friable	100	13	x	
52040		0.4	C	cream		sandy clays	40	7	x/x	
52050		0.6	C	red brown		friable	225	11	.01	
52060		0.5	C	creamy brown	greenschist		120	6	x	

059

905060

A.1.1.16.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.1	52070	1.3	C?	red brown		transported?	110	24	x	
	52080	0.8	C	dk brown 7 cream		mottled, friable	850	50	x	
	52090	0.4	C	green & brown	greenschist	foliated	70	18	x	
	52100	0.4	C	yellow brown		friable sands	355	53	x	
	52110	0.4	C	"		"	130	41	.01	
	52120	1.1	C	green brown red	greenschist	mottled	60	11	x	
	52130	0.5	C	"	"	"	30	14	x	
	52140	0.4	C	green brown	"		35	24	.01/x	
	52150	0.4	C	red brown		banded	40	18	x	
	52160	1.3	C	"		friable	55	25	x	
	52170	0.9	C	mottled greens	gr-schist	Fe blebs	40	32	x	
	52180	0.7	C	silver grey	phyllites		x	3	x	x
	52190			NO SAMPLE	QTZ GRAVELS					
	52200	0.5	C		micaceous sandstone with quartz		x	3	x	.01
	52210	0.8	C	light grey		foliated clays	5	12	.20	x
	52220	0.0			silver grey sands	outcrop	5	2	x	x
	52230	0.1			"	"	10	4	x	x
	52240	0.1			greenschist	"	50	21	x	x
	52250	0.6	C	grey blue	grey blue schist		80	45	x/.13	x
	52260	0.5	C?	green brown		friable	55	22	.01	
	52270	0.5	C	green	greenschist		75	18	.05	
	52280	0.5	C	"	"		140	25	.01	
	52290	1.2	C?	orange brown		friable	190	30	x	
	52300	1.2	C?	yell. orange	greenschist	transported?	120	23	x	
	52310	0.7	C	yell. brown	schist	purple Fe stained	80	12	x	
	52320	0.3	C	dk blue grey	blue grey schist		115	39	x	
	52330	0.3	C	"	"		315	90	.01	
	52340	0.4	C	"	"		370	45	x	
	52350	0.5	C	dark green	dk green phyllite		15	12	x/x	
	52360	1.5	B	fawn	sandy clays	Alluvium?	10	7	x	
	52370	0.8	C	brown green	greenschist		20	6	x	
	52380	0.3	C	dark green	dk green phyllite		70	6	.03	
	52390	0.5	C	"	"		50	16	x	
	52400	0.9	C	brown green	greenschist	with quartz	45	19	x	
	52410	0.3	C	blue green	blue gr-schist		55	6	x	
	52420	0.6	C	brown green	greenschist		115	41	x	

060

905061

A.1.1.17.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.2	51960	0.6	C	yellow brown	schists	banded	20	77	.01	
	51970	1.4	C	mid brown	schist	banded	20	13	x	
	51980	0.8	C	"	"	"	15	9	x/x	
	51990	0.6	C	green brown	greenschist		40	19	x	
	52000	0.7	C	light brown		friable	30	33	x	
	52010	1.3	C	green brown	greenschist		195	13	x	
	52020	0.8	C	bright orange		friable	145	14	.05	
	52030	1.1	C	mottled green	greenschist		170	7	x	
	52040	1.2	C	purple brown		friable	165	6	.01	
	52050	0.5	C	"		"	120	11	x	
	52060	1.5	B/C	"		minor 'sticky' clays	125	3	x	
	52070	0.6	C	yellow brown		friable	160	28	.03	
	52080	1.3	C	red brown	schist	Fe stained	60	20	x/x	
	52090	0.8	C	mottled gr/brown	greenschist		115	28	.01	
	52100	1.3	C?	orange brown		micaceous	105	10	x	
	52110	0.7	C	green brown	greenschist		80	14	x	
	52120	0.7	C	brown green		sandy	60	11	x	
	52130	0.9	C	orange green	greenschist	mottled	95	7	.01	
	52140	1.5	B	orange brown	"	banded	315	28	x	
	52150	0.8	C	green	"		60	1	x	
	52160	0.4	C	brown		friable	95	3	x	
	52170	0.4	C	green	greenschist		50	7	x	
	52180	1.1	C	green	greenschist	mottled, sandy	15	5	.02/x	
	52190	0.8	C	grey	micaceous sands		15	8	x	
	52200			NO SAMPLE	GRAVELS					
	52210			NO SAMPLE	GRAVELS					
	52220	0.8	C	silver grey	phyllite		20	3	x	x
	52230	1.2	C	pale blue/brown	schist		15	7	x	x
	52240	0.7	C	green	greenschist		50	15	x	x
	52250	ROCK CHIP			qtz mica phyllite		25	1	.08	x
	52260	ROCK CHIP			Fe stained greenschist		35	6	x	x
	52270	0.6	C	green	greenschist		230	31	x	x
	52280	1.0	C	grey-green-brown		mottled	65	24	x	x
	52290	0.3	C	mid brown	micaceous sands	friable	30	18	.01	
	52300	0.3	C	orange		friable	25	7	.01/x	

061

905062

A.1.1.18.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au Rpt
12.2	52310	0.5	C	green brown	greenschist	friable	15	3	x
	52320	0.4	C	pale green	"		25	9	x
	52330	1.0	C?	red brown/yellow		mottled	45	3	x
	52340	0.3	C	red brown		friable	50	27	x
	52350	0.4	C	green	greenschist		25	x	.03
	52360	1.3	C	orange green	"	sandy	80	11	x
	52370	1.45	C	green	"		60	3	x
	52380	ROCK CHIP		Kaysers Creek	greenschist		215	81	x
	52390	0.4	C	green brown	greenschist	mottled	285	24	x
	52400	0.5	C	brown green	"		180	45	.01/x
	52410	0.5	C	"	"		50	24	x
	52420	1.4	C?		"		70	18	x
	52430	ROCK CHIP			greenschist	Creek bed	195	300	x
	52440	1.1	C	mid brown	schist	friable	45	53	.03
	52450	0.5	C	silver grey	phyllite		5	5	x
	52460	0.5	C	"	"		10	15	x
	52470	0.5	C	"	"		x	4	x
12.3	52260	1.4	C	pale green brown		sandy	10	x	x x
	52270			NO SAMPLE	Roadside Spoil Dumps				
	52280	1.2	C	brown green	greenschist		20	15	x x
	52290	0.7	C	pale grey green		friable	10	x	x/x x
	52300	0.6	C	pale green	greenschist		5	2	.05 x
	52310	1.0	C		silver grey schist		10	1	x x
	52320	0.9	C		"		10	3	x x
	52330			NO SAMPLE	GRAVELS				
	52340	0.9	C	brown green	greenschist	mottled	20	3	.02 x
	52350	0.5	C	dark green	dk greenschist		10	4	.01
	52360	1.3	C?	light grey	phyllite		20	66	.07
	52370	1.5		NO SAMPLE	CLAYS				
	52380	1.5		NO SAMPLE					
	52390	1.5		NO SAMPLE					
	52400	0.8	C	bright orange br		friable	205	35	.01/x
	52410	1.1	C	purple brown	greenschist	foliated	445	78	.01
	52420	1.5		NO SAMPLE	B Clays				

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.3	52430	0.3	C	pale green brown	greenschist		155	52	.05	
	52440	0.5	C	"	"		40	25	x/x	
12.4	52010	1.3	C	lt grey brown		schistose sands	15			x
	52020	0.5	C	lt gr's & browns		banded	25			x
	52030	0.3	C	grey brown		schists	35			x
	52040	0.7	C	dk green brown		schistose	30			x/x
	52050	0.5	C	"		"	225			x
	52060	1.4	C	ora. brown green		banded	270			x
	52070	0.6	C	pale green		sandy	110			x
	52080	0.5	C	dark green	greenschist	pyritic	4700			x
	52100	1.3	C	green	pyritic gr-schist	with quartz & white vein (?) material	190			x
	52110	1.5	C?	orange brown		banded & schistose	175			x
	52120	1.0	C	"		sands with qtz	30			x
	52130	0.6	C	ora. br. & green		with quartz	125			x
	52140	0.5	C	brown orange		friable with qtz	75			x/x
	52150	0.9	C	gr. br. & red	ex gr-schist	schistose	50			.01
	52170	1.2	C	green brown		mottled	140			x
	52180	0.9	C	"		"	80			x
	52190	0.9	C	"		" with qtz	45			x
	52200	1.5	C?	orange		sticky & banded	210			x
	52210	1.2	C	vivid green	ex gr-schist	schistose	30			x
	52220	0.9	C	gr. br. & grey		with quartz	10			x
52230	1.3	C	mid brown		banded with quartz	25			x	
52240				NO SAMPLE	SPOIL DUMP					
52250	ROCK CHIP			orange brown	schist		45			x/x
52260	0.2	C	gr. br. & grey		bleaching?	25			x	
52270	0.2	C	"	ex gr-schist	sandy	30			x	
52280	ROCK CHIP			grey green	schist		15			x x
52290				NO SAMPLE	SPOIL DUMP					
52300	1.0	C	pale gr. & br.	ex gr-schist	mottled	10			x	x
52310	0.8	C?	pale gr. brown		with quartz	10			x	x
52320	1.1	C	grey gr's & reds			10			x	x

063

905064

A.1.1.20.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)				
N	E						Cu	As	Au	Rpt	
12.4	52330			NO SAMPLE		Gravels					
	52340	0.3	C	mid br. & silver	schist	mottled	30		x	x	
	52350	0.6	C	"	"	"	15		x	.01	
	52360	0.6	C	dk grey green		banded & schistose	15		x	x	
	52370	0.6	C	"		"	45		x/x		
	52380			NO SAMPLE							
	52390	1.1	C	creamy yell. brown		banded	45		x		
	52400	0.7	C	pale gr. & br. greenschist		with quartz	95			.01	
	52410	0.9	C	"		mottled	80		x		
	52420	0.7	C	"	ex gr-schist	with quartz	20		x		
	52430	1.0	C	dark green	greenschist	pyritic	245		x		
	52440	0.7	C	grey black	graphitic schist		155		x		
	52450	1.0	C	green brown			10		x		
	52460	0.5	C	grey green	schist		10		x		
12.5	51440	1.4	C??	pale ora. br.			55		x		
	51450	1.0	C	"		In W.R. Dk brown folia	70			.02	
	51460	1.5		NO SAMPLE	B Clays						
	51470	1.3	C?	pale ora. brown		purple stained chips	55			.01	
	51480	1.3	C	"		Dk brown folia	45			.01	
	51490		ROCK CHIP	Weathered outcrop of blocky, non schistose but foliated volc.			25			.01	
	51500	0.7	C	red ora. brown			45			.01	
	51510	0.6	C	red brown		friable	65			.02	
	51520	0.9	C	red ora. brown		crumbly	50			.01	
	51530			NO SAMPLE							
	51540	1.3	C?	orange brown	greenschist	transported?	30		x		
	51550	1.2	C	bright orange		Fe stained, crumbly	90			x/x	
	51560	0.9	C?		quartzite	Fe stained	15		x		
	51570			NO SAMPLE	gravels						
	51580		ROCK CHIP	Micaceous Quartzite			5				.02
	51590	0.6	C	pale orange		micaceous, sandy	25			.01	
	51600	0.5	C	bright yell. br.		crumbly, fe stained	45		x		
	51610	1.2	C	pale ora. brown		friable	65			.01	
	51620	1.1	C?	silver brown	silver schist		5		x		

064

905065

A.1.1.21.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.5	51630			NO SAMPLE						
	51640			NO SAMPLE	sands					
	51650			NO SAMPLE						
	51660	0.5	C	orange brown			150		.02	
	51670	0.6	C	green brown	greenschist	friable	85		x	
	51680	1.1	C	black & orange		speckled	140		x	
	51690	1.2	C	orange brown		crumbly				
	51700	1.2	C	dark green	greenschist		155		x	
	51710	1.5		NO SAMPLE	clays					
	51720	0.4	C	orange brown		crumbly	115		x	x
	51730	1.5	C	orange & red		structured	115		x	x
	51740	1.4	C	yellow brown		banded	155		.35	.11
	51750	0.7	C	light green	greenschist		10		.01	x
	51760	1.3	C	gr. br. red	"	mottled	60		x/.01	x
	51770	1.4	C	olive green	"		110		.04	x
	51780	1.2	C	orange brown		friables	15		x	x
	51790	0.8	C	mid brown		"	85		x	x
	51800	1.3	C	brown		"	45		.01	x
	51810	0.9	C	dark green	g/s.		80		.02	
	51820	1.3	C	orange brown		crumbly	20		.01	
	51830	0.6	C	"		"	140		x	
	51840	0.8	C	red br. & cream		mottled	55		x	
	51850	0.6	C	green brown		schistose	80		.01	
	51860	1.3	C	green	g/s		60		.02/IS	
	51870	1.1	C	dk orange brown		friable	140		x	
	51880	0.3	C	creamy orange		"	20		x	
	51890	0.6	C	green brown		"	40		x	
	51900	1.3	C	creamy br. & fawn		banded	20		x	
	51910	1.1	C	light brown		friables	30		x	
	51920	1.2	C	red green brown		mottled	185		x	
	51930	0.6	C	orange brown		friable	40		.01	
	51940	1.0	C	red ora. white		patchy	50		x	
	51950	0.9	C	dk blue grey	schist		15		x	
	51960	0.8	C	"			5		x/x	
	51970			NO SAMPLE	sands					

065

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.5	51980	0.7	C	green brown	greenschist	mottled	20		x
	51990	0.6	C	"	g/s	"	60		x
	52000	0.7	C	brown green	"	with quartz	25		x
	52010	0.6	C	red br. black		mottled	110		x
	52020	1.1	C	red br. green			525		x
	52030	0.5	C	"		mottled	130		x
	52040	0.6	C	brown			220		.01
	52050	0.9	C	brown & black			235		x
	52060	0.9	C	brown green	g/s		175		x
	52070	0.6	C	"	"		30		x/.02
	52080	0.5	C	gr. br. & red	"		200		x
	52090	0.5	C	pinky gr. & br.		friable	175		.03
	52100	0.5	C	green	g/s		105		x
	52110	0.5	C	dk pink brown		fe stained	210		x
	52120	0.2	C	dark green	g/s		135		x
	52130	0.7	C	"	"		80		x
	52140	0.6	C	"	"		25		x
	52150	1.1	C	pale gr. br.	schistose		5		x
	52160	0.6	C	light grey gr.	"		x		x
	52170			NO SAMPLE					
	52180	0.8	C	silver gr. grey	schists		5		x/.06
	52190	0.6	C	"	"		10		x
	52200	0.4	C	"	"		10		x
	52210	0.6	C	brown & green	g/s	mottled	25		x
	52220	0.8	C	pale ora. brown	"		185		x
	52230	0.9	C	br. & silver grey	schists		10		x
	52240	0.8	C	grey	"		5		x
	52250			NO SAMPLE					
	52260	1.3	C	cream orange & grey green	schistose		25		x
	52270			NO SAMPLE - SPOIL DUMP					
	52280			NO SAMPLE - SPOIL DUMP					
	52290			NO SAMPLE - SPOIL DUMP					
	52300			NO SAMPLE - SPOIL DUMP					
	52310	1.2	C	grey	schists	with quartz	x		x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.5	52320	0.5	C	yell. brown & green			10		x
	52330			NO SAMPLE					
	52340	0.7	C	yellow brown		banded	115		x/x
	52350	1.1	C	yellow brown		mottled	45		x
	52360	0.6	C	light green	g/s		80		x
	52370	1.3	C	orange brown	"	with quartz	100		x
	52380	0.3	C(?)	white grey		sandy	85		x
	52390	1.3	C(?)	green & oranges		mottled	180		x
	52400	1.2	C	pale brown green	slate		35		x
	52410	0.4	C	green & orange	g/s		5		.03
	52420	0.4	C	mid grey	schist		20		x
	52430	0.7	C	light grey			20		x
	52440	0.3	C	lid grey	schist		x		x/x
	52450	0.4	C	grey	schist	pyritic	200		x
	52460	0.5	C	lid grey	"		5		x
	52470	0.9	C	green grey	schistose		15		x
	52480	1.2	C	lt gr. & cream	g/s		5		x
	52490			NO DESCRIPTION			10		x
	52500	1.1	C	lt gr. & cream	g/s		5		x
12.6	51500	0.6	C	yel. red br.		crumbly	25		.01
	51510	0.5	C	yellow brown	greenschist	green tinge	35		x
	51520			NO SAMPLE					
	51530	1.4	C	gr. red brown		mottled	95		x
	51540	1.0	C	choc br. 7 gr.	g/s	banded	70		x/.02
	51550	0.8	C	green brown		crumbly	105		x
	51560	1.45	C	gr. red br.		"	100		.01
	51570	1.1	C	yell. orange br.		friable	25		.01
	51580	1.2	C	mid brown		mottled, friable	35		.01
	51590		ROCK CHIP	white/grey micaceous quartzite			x		.01
	51600			NO SAMPLE - sands					
	51610			NO SAMPLE - sands					
	51620	0.8	C	silver brown	micaceous qtzite	friable	10		.01
	51630	1.4	C	green brown		schistose	25		x
	51640			NO SAMPLE	B				

067

905068

A.1.1.24.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au Rpt
12.6	51650	1.3	C	green & brown	greenschist		55		x
	51660	0.6	C?	red brown	Fe stained schist		165		.02
	51670	0.5	C	red brown		black blotches	130		.01
	51680	0.6	C	"		"	130		x
	51690	1.0	C	cream orange		sandy, friable	15		.01
	51700	1.3	C	orange br. green			150		x
	51710	0.5	C	red orange brown		crumbly	110		.01
	51720	1.0	C	brown & grey		mottled, banded	25		.01
	51730	0.6	C	br. grey gr.	grey schist		20		.01
	51740	0.7	C	orange & gr.		speckled clays	10		x
	51750	0.9	C	green brown	greenschist		60		.01 x
	51760	1.2	C	orange brown		friable	40		.02 x
	51770	1.3	C	br. & orange			30	.01/.01	x
	51780	1.2	C	green brown		schistose	25		.01 x
	51790	1.0	C	cream/grey-gr.		schistose	x		.02 x
	51800	0.7	C	pale gr. brown		schistose	x		.01 x
	51810	1.45	C	pale orange		foliated clays	5		.02 x
	51820	0.9	C	dark green	greenschist		5		.01 x
	51830	1.2	C	green brown		foliated clays	65		.02
	51840	0.9	C	cream & green		schistose	x		.01
	51850	1.3	C	orange brown		friable	60		.01
	51860	1.2	C	rust red/gr.			80		.01
	51870	0.7	C		greenschist		5	.02/.02	
	51880	0.1	C	silver grey	silver grey schist		x		.01
	51890	0.7	C	br./gr. grey	greenschist	mottled	15		.02
	51900	1.3	C	orange & green		banded	10		.01
	51910	1.5	C?	reddy orange			75		.01
	51920	0.8	C	mottled greens			90		.01
	51930			NO SAMPLE					
	51940	1.3	C	orange brown		green tint	165		.01
	51950	1.0	C	pale gr./br.		schistose	15		x
	51960	0.9	C	pale green	greenschist		15		x
	51970	0.5	C	blue brown	schist	red shades	15		.01
	51980	0.8	C	brown	Fe coated schist	friable	120		x
	51990	1.3	C	black-dk br.		crumbly	140		x

068

905069

A.1.1.25.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.6	52000	0.7	C	green		banded	105		.01
	52010	1.0	C	green brown			55		x
	52020	0.4	C	brown & black	schist		100		.01
	52030	0.7	C	pale gr. br.		friable	30		x
	52040	0.7	C	gr. ora. black	g/s		95		x
	52050	0.8	C	mid browns		mottled	130		.01
	52060	1.1	C	mid brown	g/s		170		x
	52070	0.7	C	orange brown		crumbly	275		.01
	52080	1.5	C	"		"	320		.01/.01
	52090	1.0	C	brown green	g/s	with quartz	85		.01
	52100	0.8	C	green	g/s		60		.01
	52110	0.8	C	pale gr. br.		sandy	5		.03
	52120	1.3	C	cream ora/gr.		schistose	30		.02
	52130	0.8	C	brown & green	g/s		20		.01
	52140	0.6	C	"	"		60		.01
	52150	0.7	C	"	"	pyritic	35		.01
	52160	0.4	C	"	"		25		x
	52170	0.5	C	mid green	"		20		x
	52180	0.3	C	pale gr. blue		schistose	85		.02/.01
	52190	1.0	C?	pale gr. br.			10		.02
	52200	1.1	C	cream brown		schistose	5		.01
	52210	0.7	C	silver grey	grey schist	banded	x		x
	52220	0.7	C	"	"	"	x		x
	52230	1.2	C	silver grey br.	"	"	x		x
	52240	1.0	C	silver grey	grey schist	schistose	x		x
	52250	0.8	C	green brown		friable	15		x
	52260	0.7	C		silver grey schist	sandy	x		x
	52270	0.6	C	pale cream br.	"	friable	55		.01
	52280	1.2	C	"	"	"	10		.01/.02
	52290	ROCK CHIP	-	silver grey schist			5		.01
	52300	0.1	C	silver grey	schist		10		.01
	53210	0.5	C		silver grey schist		65		.01
	52320	1.2	C	creamy brown			240		.01
	52330	1.1	C	cream & green		crumbly	10		x
	52340	1.1	C	red ora. br.		"	60		.03

069

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.6	52350	1.1	C	creamy yel. br.	schistose		30		x
	52360	1.0	C	green & brown	schistose		35		x
	52370			NO SAMPLE					
	52380	1.5	C	green brown	g/s		60		x
	52390			NO SAMPLE - Kaysers Creek					
	52400	0.8	C	mid green	g/s		15		x
	52410	0.6	C	light creamy yel.			25		x
	52420	0.6	C	pale blue grey	schist		5		x
	52430	1.3	C	green & ora.		banded	10		x/x
	52440	0.9	C	pale grey	schist		10		x
	52450	0.9	C	green	g/s		20		x
	52460	1.1	C	light green silver brown		banded	20		x
	52470	1.5	C	mid green	schistose		20		x
	52480	0.7	C	gr. silver br.		banded	70		.08
	52490	0.9	C	mid green		friables	10		x/x
	52500	0.7	C	br. & pale grey			5		x
	52510	0.3	C	dark green	schistose		10		x
	52520	0.6	C	silver dk grey	"		5		x
	52530	0.4	C	"	"		10		x
	52540	0.4	C	brown & grey		mottled	x		x
	52550	0.4	C	"		with quartz	10		x
	52560	0.4	C	charcoal grey	schist		x		x
12.7	51530	0.5	C		silver br. schist		10		x
	51540	0.3	C	mid green	g/s		50		x
	51550	0.7	C	green brown	g/s	in W.R.	120		x
	51560	1.3	C	red gr. brown		mottled	130		x
	51570	1.2	C	green brown	g/s		15		x
	51580	1.1	C	gr. yel. brown		schistose	50		x
	51590	1.3	C	orange brown			75		x
	51600	1.2	C	red brown		friable	60		x
	51610	1.5	B	NO SAMPLE					
	51620	1.3	C	yel. br. & white		banded	5		x
	51630	1.45	C	gr. red brown		crumbly	75		x/x

070

905071

A.1.1.27.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.7	51640	1.0	C	red ora & black		friable	125		x	
	51650	1.3	C	red brown		yel. tint, crumbly	80		x	
	51660	1.3	C	orange brown		friable	85		x	
	51670	0.2	C	pale yel. br.		sandy	5		x	
	51680	1.0	C	orange brown		crumbly	25		x	
	51690	0.5	C	yel & red br.		banded	10		x	
	51700	0.7	C	red br. & black			110		x	x
	51710	0.4	C	"			150		x	x
	51720	0.4	C	"			100		x	x
	51730	0.4	C	yellow brown & red black			90		x/.06	x
	51740	0.7	C	red brown		friable	125		x	.04
	51750	0.9	C	pale brown		friable	30		x	x
	51760	0.6	C	pale gr/cream	g/s		10		x	x
	51770	1.0	C	green brown	g/s	mica rich	45		x	x
	51780	1.4	C?	bright ora. br.			120		x	x
	51790	0.8	C	gr. yellow br.	g/s	friable	15		x	x
	51800	1.1	C	green brown		mottled, friable	105		x	x
	51810	0.7	C	mid green	g/s		80		x	x
	51820	0.9	C	cream brown		green tinge	30		x	x
	51830	0.6	C	gr. red brown		mottled, friable	30		x	
	51840	0.8	C	green brown	g/s		95		x	x
	51850	0.8	C	silver brown	schist		25		x	x
	51860	0.8	C	ora & br grey	schist	banded	25		x/x	x
	51870	0.7	C	cream blue	blue schist		20		x	x
	51880	0.7	C	brown & green		banded	265		x	x
	51890	1.1	C	gr./red brown		friable	145		x	x
	51900	1.3		light green			85		x	
	51910			NO SAMPLE	- creek					
	51920	0.8	C	yel br & silver	schist		70		x	
	51930	0.7	C	green	g/s		35		x	
	51940	0.7	C	"	"		90		x	
	51950		ROCK CHIP	- red & brown yellow	schist		100		x	
	51960	0.8	C	brown green	g/s		65		x	
	51970	0.7	C	"	"		90		x/x	

071

905072

A.1.1.28.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.7	51980	0.7	C	pale green	schist	friable	30		x
	51990	0.7	C	red brown	red br. schist		125		x
	52000	0.9	C	ora-rust br.		fe stained	205		x
	52010	1.3	C	red ora. br.			110		x
	52020	1.0	C	yel br & silver	schists		40		x
	52030	0.8	C	orange brown	g/s	green tint, with quartz	65		x
	52040	0.3	C	silver green	g/s		15		x
	52050	0.8	C	hematite red		friable	465		x
	52060	1.3	C	pink red		friable	175		x
	52070	1.5	C?	green & brown		banded	270		x/x
	52080	0.9	C	dk red brown			445		x
	52090	ROCK CHIP	-	Fe stained	greenschist		660		x
	52100	1.2	C	dark green	dk gr. schist		415		x
	52110	1.3	C	orange brown		friable	265		x
	52120	0.5	C	red brown		friable	210		x
	52130	0.9	C	orange brown		friable	120		x
	52140	1.1	C	pinky red		haematitic	160		x
	52150	0.6	C	orange brown		green tint, with quartz	275		x
	52160	1.1	C	"		"	60		x
	52170	1.3	C?	red ora brown			85		x
	52180	0.3	C	green	greenschist	mottled	140		x
	52190	0.6	C	brown & green	"		20		x
	52200	1.1	C	mid brown		mottled, schistose	25		.01
	52210	1.0	C	greens/browns	greenschist	mottled	315		.01
	52220	0.9	C	pale green			410		x
	52230	1.1	C	choc brown		schistose	20		.01/x
	52240	0.5	C	dk br & grey	dk grey schist	banded	30		.02
	52250	1.1	C?	choc brown		schistose	qtz 10		.01
	52260	0.7	C?	pale grey	silver grey schist	sandy	10		x
	52270	0.8	C	"	"	"	x		x
	52280	0.6	C	"	"	"	x		x
	52290	0.6	C	creams & brs			20		.01
	52300			NO SAMPLE	-	Road Spoil			
	52310			NO SAMPLE	-	Road Spoil			

072

905073

A.1.1.29.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.7	52320	0.8	C?	pinky brown	Fe stained schist	friable	85		.02
	52330	0.4	C?	green brown		mottled, shistose	10		x
	52340			NO SAMPLE	- SPOIL DUMP				
	52350			NO SAMPLE	quartz sands				
	52360			NO SAMPLE	gravels				
	52370	0.4	C	gr. orange br.		mottled	70		x/x
	52380			NO SAMPLE	gravels				
	52390	0.5	C	mid green	g/s		70		.01
	52400	0.6	C(?)	gr. & grey br.	"		30		.02
	52410	0.9	C	"	"		10		x
	52420	1.0	C	pale ora. brown	"	friable	20		x
	52430	0.6	C	orange & grey		mottled	35		.01
	52440	0.9	C	pale orange br.	g/s	friable	30		x
	52450	0.4	C	ora & gr. grey		speckled	15		x
	52460	0.8	C	pale green	g/s	friable	25		x
	52470	1.3	C	"	"	"	25		x
	52480	0.7	C	green	"		50		.01/x
	52490	0.3	C	dk red br. gr.	"	mottled	95		x
	52500	0.8	C	bright orange			490		x
	52510	0.5	C	dk grey schist		Oonah (?)	5		.02
	52520		C	grey white	schist		x		.01
	52530	0.4	C	light fawn		crumbly	5		x
	52540			NO SAMPLE					
	52550	0.3	C	light ora. grey	schists		x		x
	52560	1.1	C	green brown	g/s	mottled	80		x
	52570	0.8	C	"	"	"	40		x
	52580	0.7	C	red ora & grey gr.	"	crumbly	20		x
	52590	1.1	C	"	"	"	20		x/x
	52600	0.5	C	light grey gr.		crumbly	10		.01
	52610	0.6	C	dark grey	schist		5		x
	52620	0.8	C	red ora & grey gr	g/s	mottled	35		x
	52630	0.8	C	mid br. & gr.	"		75		x
	52640	0.4	C(?)	green	g/s	float (?)	15		.02
	52650	0.4	C	green	"		10		.03
	52660	0.7	C	red ora & grey gr	"	mottled	10		.03
	52670	0.9	C	green & brown			10		x

073

905074

A.1.1.30.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
N	E						Cu	As	Au	Rpt
12.8	51540	1.0	C	br & silver grey	schist		35		x	
	51550	1.1	C	green brown		mottled, friable	100		x	
	51560	1.0	C		dk blue schist		45		x	
	51570	1.2	C	red brown			185		x	
	51580	1.3	C	orange & red		In W/R.	70		x	
	51590			NO SAMPLE - clays at 1.5m						
	51600	1.4	C	pale gr. br.	g/s	Creek bed	60		x	
	51610	0.5	C?	green brown		In W/R	60		x	
	51620	1.5	B	NO SAMPLE						
	51630	1.5	B	NO SAMPLE						
	51640	1.5	B	NO SAMPLE						
	51650	1.2	C	mid brown		friable	55		x	
	51660	0.7	C	brown green	g/s		180		x	
	51670	1.4	C?	brown		float?	115		x/x	
	51680	0.5	C?	red yel brown		friable	170		x	
	51690			NO SAMPLE FLOAT						
	51700	0.6	C	red gr. brown		mottled	120		x	
	51710	1.45	C	light orange			125		x	
	51720			NO SAMPLE - Sands						
	51730	0.9	C	light grey		green tinge with qtz	20		.02	x
	51740	0.8	C	mid green	schist		5		x	x
	51750	1.3	C	brown & black		banded	55		x	x
	51760	0.7	C		qtz phyllite		5		.03	x
	51770	0.8	C	choc brown		mottled, green tinge	20		x	x
	51780	0.4	C	orange red br.		banded, "ore?"	5		x	x
	51790	0.7	C	pale green	pale gr-schist		30		x/x	x
	51800		C?	lt grey & white		banded sands	10		x	x
	51810	0.3	C		blue schist		10		x	x
	51820			ROCK CHIP - Blocky, dense, dark green			35		x	x
	51830			ROCK CHIP - " " "			45		x	
	51840			NO SAMPLE - Float						
	51850	0.8	C	green	g/s		60		x	
	51860	0.7	C	red orange br.		friable	60		x	
	51870	0.5	C	brown green	g/s		60		x	
	51880	0.3	C	pale gr. brown	g/s		15		x	

074

905075

A.1.1.31.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.8	51890	0.6	C	pale gr. brown	g/s		25		x
	51900			NO SAMPLE	- float				
	51910	1.0	C?	green brown	g/s	transported?	220		x/x
	51920	ROCK	CHIP		g/s		85		x
	51930	0.9	C	pale green br.	g/s		30		x
	51940	0.9	C	light brown		friable	105		x
	51950	0.9	C	green brown	g/s		85		x
	51960	0.6	C	orange brown		friable	260		x
	51970			NO SAMPLE					
	51980	0.4	C		g/s	float?	100		x
	51990	0.3	C		silver blue schist		20		x
	52000	0.3	C		g/s		10		x
	52010	0.5	C	cream brown	g/s	sandy	10		x
	52020			NO SAMPLE	- float				
	52030	0.4	C	pale green	g/s		25		x/x
	52040	1.2	C	green/grey	g/s		20		x
	52050	0.3	C	pale green	g/s		35		x
	52060	0.6	C	red br./green		banded, friable	430		x
	52070	0.9	C	black & brown		banded	670		x
	52080	0.9	C	pale gr. brown		schistose	100		x
	52090	0.5	C	green brown	g/s		115		.03
	52100	0.9	C?	orange brown		fine grained Fe oxide	180		x
	52110	0.8	C	green brown	g/s		70		x
	52120	0.6	C?	mottled brown	g/s	float?	130		x
	52130	1.2	C	green & brown	g/s		120		x/x
	52140	0.3	C	mid brown		friable	105		x
	52150	1.2	C	bright orange			65		x
	52160	0.5	C		silver blue schist		5		x
	52170	0.4	C	pale gr. brown			20		x
	52180	0.8	C	mid gr. brown	g/s	mottled	95		x
	52190	0.4	C	dark green	g/s		65		x
	52200	1.2	C	dk grey/brown	schist	banded	30		.03
	52210	0.5	C	silver grey/white	schist		5		.01
	52220	0.8	C		dk blue grey schist		10		x

075

905076

A.1.1.32.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
12.8	52230	1.2	C?	choc brown		friable	110		x/x
	52240			NO SAMPLE - Sands					
	52250			NO SAMPLE - Gravels					
	52260	0.8	C?	dark green	g/s		30		x
	52270	0.9	C	green	g/s		60		x
	52280	1.0	C	silver grey/ora.	schist	with quartz	10		.01
	52290	1.0	C	"	"	"	15		x
	52300	0.9	C	bright orange		friable	225		x
	52310			NO SAMPLE - Spoil					
	52320			NO SAMPLE - Road					
	52330	ROCK CHIP			schist		10		.03
	52340			NO SAMPLE - Spoil Dump					
	52350	1.1	C	yellow brown		friable	15		x/x
	52360	1.0	C	grey green	g/s		25		x
	52370	1.1	C	yel br & silver	schist		25		x
	52380	0.8	C	brown		schistose	25		x
	52390	0.7	C	red brown		goethite stained	80		x
	52400	1.4	C	brown & orange		banded	80		x
	52410	0.6	C	mid grey green	g/s		20		x
	52420	0.3	C(?)	"	"		15		x
	52430	0.8	C	pale grey		pyritic	955		.15
	52440	1.2	C	silver grey & white		banded	30		x
	52450	0.9	C	white grey		crumbly	155		x/x
	52460	0.7	C		pyrite 90% schist 10%		660		.02
	52470	0.6	C	dk grey black	schist		25		x
	52480	0.9	C	silver & gr. grey	schist		35		x
	52490	0.9	C	grey gr & yel.			5		x
	52500	0.4	C	grey & ora. br.		mottled	60		x
	52510	0.2	C	br. & silver grey	schist		10		x
	52520	0.3	C	silver grey	schist	sandy	5		x
	52530	0.8	C	pale br. & gr.	schistose		25		x
	52540			NO SAMPLE					
	52550	0.8	C	dark green	schistose		125		x

076

905077

A.1.1.33.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION N	E	DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
							Cu	As	Au	Rpt
12.8	52560	0.5	C	green brown	g/s	sandy	75		x/x	
	52570	0.3	C	grey green		pyritic	25		x	
	52580	0.2	C	silver grey	schists		15		x	
	52590	0.3	C	dk gr, brown	g/s		15		x	
	52600	0.6	C	silver grey	schists	with quartz	5		x	
	52610	0.8	C	silver grey	schists		10		x	
12.9	51590	0.8	C	creamy brs & ora's		sandy	15		.06	
	51600	0.5	C	"		"	10		x	
	51610	1.1	C	light brown		friables	30		x	
	51620	1.5	B/C	orange		sticky	100		x	
	51630	1.1	C	mottled gr. br's	g/s		175		x	
	51640	1.1	C	creamy ora. br.		friable	45		x	
	51650	1.2	C	reddy brown		"	130		x	
	51660	1.1	C	brown		" + quartz	30		.06	
	51670	1.1	C	creamy brown		banded	55		x	
	51680	1.3	C	"		"	110		x/x	
	51690	1.4	C	silver grey	phyllite		5		.01	
	51700			NO SAMPLE	- WHITE SANDS					
	51710			NO SAMPLE	- WHITE SANDS					
	51720	1.0	C	orange brown		friable + quartz	35		x	
	51730									
	51740									
	51750									
	51760	0.7	C	silver grey & ora	schist	+ quartz	x		x	
	51770	0.9	C	orange brown		friable	15		x	
	51780	1.3	C	"		"	80		x	
	51790	0.8	C	"		"	65		x	
	51800	1.2	C	"		"	25		x	
	51810	0.3	C	green orange	greenschist	friable	30		x	x
	51820			NO SAMPLE						
	51830	ROCK CHIP		silver grey	schist		x		x	x
	51840	0.2	C	green	greenschist		90		x/.12	x
	51850	0.8	C	mottled grey & ora.	"		5		.02	x
	51860	0.3	C	"	"		x		x	x

077

905078

A.1.1.34.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION N	DEPTH E	DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
							Cu	As	Au	Rpt
12.9	51870	0.6	C	mottled grey & ora	g/s		10		x	x
	51880	0.6	C	mottled gr. brown	g/s		5		x	
	51890	0.8	C	"	"		15		.08	
	51900	1.1	C	green & brown	"	banded	105		x	
	51910			NO SAMPLE	- Gravels					
	51920	0.3	C(?)	orange grey		friables	x		x	
	51930	0.6	C	green grey	g/s		10		x	
	51940	0.4	C	pale ora. br.		friables	x		x	
	51950	0.3	C	silver grey	schist		35		x/x	
	51960	0.4	C	orange green	g/s		x		.02	
	51970	0.5	C		"		30		x	
	51980	0.6	C	gr's with blacks	"		30		x	
	51990	0.2	C	green grey	"		20		.01	
	52000	0.6	C	mottled ora. green	"		5		.06	
	52010	0.7	C	grey	schist		x		x	
	52020	0.5	C	green & brown	g/s	schistose	55		x	
	52030	1.1	C	"	"	"	40		x	
	52040	0.4	C(?)		"	float(?)	15		x	
	52050	0.8	C	green & orange	"		30		x/x	
	52060	1.0	C	grey	schist	float(?)	20		x	
	52070	1.2	C	green brown	g/s		125		x	
	52080	0.6	C	"	"		295		x	
	52090	1.1	C	"	"		145		x	
	52100	0.3	C	green & orange	"		75		x	
	52110	0.2	C	light brown		friable	35		.01	
	52120	1.2	C	bright orange		"	150		x	
	52130	0.3	C	green orange		"	105		x	
	52140	1.0	C	green	g/s		85		x	
	52150	0.8	C	orange		friable	110		x	
	52160	1.1	C	mottled gr's & br's	g/s		140		x	
	52170	1.1	C	orange & grey		+ quartz	85		x	
	52180	0.8	C	mottled gr's/br's		+ qtz & black	15		x	
	52190	0.8	C	"		"	140		x	
	52200	0.9	C	red orange			140		x	
	52210	1.1	C	mottled gr. & br.		+ quartz	135		.07	

078

905079

A.1.1.35.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION N	DEPTH E	DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
							Cu	As	Au
12.9	52220	1.0	C	grey gr & ora		mottled	140		x
	52230	0.4	C	light gr. ora	g/s		20		x
	52240	0.4	C	light gr. grey	"		5		x
	52250	0.4	C	blue grey gr.	schistose		260		x
	52260	0.5	C	orange & brn.		sandy	105		x
	52270	0.5	C	"		" + quartz	25		x
	52280	0.8	C	green brown		sandy	65		x
	52290	0.6	C	"	g/s	"	20		x
	52300	1.2	C	brown & grey	schist	+ quartz	70		x
	52310	1.2	C	"	"	"	30		.02
	52320	1.0	C	creamy br & silver			10		x
	52330	1.0	C	"		+ quartz	10		x
	52340	1.1	C	"		friable	20		.02
	52350	1.1	C	"		"	10		x
	52360	1.0	C	pale creamy br		friable	5		x
	52370			NO SAMPLE	-	Road Spoil			
	52380			NO SAMPLE	-	Road			
	52390			NO SAMPLE	-	Road Spoil			
	52400			NO SAMPLE	-	Road Spoil			
	52410			NO SAMPLE	-	Road Spoil			
	52420	1.5		NO SAMPLE	-	Gravels			
	52430	0.6	C	dark green	g/s		985		x
	52440	0.6	C	silver grey & ora	schist		50		x
	52450	1.0	C	pale grey & ora.		mottled	30		x
	52460	0.3	C	bright ora. br.		friable	5		x
	52470	0.4	C	orange & brown	schistose		15		x/x
	52480	0.5	C	brown green	g/s		35		x
	52490	0.6	C	green	g/s	friable	55		x
	52500	0.7	C	green grey & green brown			30		x
	52510	1.0	C	yellow brown		banded	30		x
	52520	0.4	C	silver grey & br.	schist	banded	25		x
	52530	0.6	C	"	"	"	25		x
	52540	0.3	C	"	"	"	x		x
	52550	0.5	C	pale gr & white		feldspars, amphibolite (?)	25		x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION N	E	DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
							Cu	As	Au
12.9	52560	0.6	C	silver grey & br.		banded	25		x
	52570	0.5	C	"		"	40		x
	52580	0.6	C	"		"	x		x/x
	52590	1.0	C	"		"	x		x
	52600	1.2	C	pale gr & br.		massive	70		x
	52610	1.3	C	brown		"	115		x
	52620	1.2	C	red br. & gr.	g/s	friable	165		x
	52625	1.0	C	"	"	"	160		x
	52635	0.7	C	creamy brown		friable	25		x
13.0N	51600	0.6	C	orange brown	g/s	green tint	160		x
	51610	1.4	C	"	"	"	100		x
	51620	1.3	C	dk ora. browns	"ore"	friable & dark	160		x
	51630	1.0	C	dark brown & grey black	schistose		20		.02
	51640			NO SAMPLE	- White Sands				
	51650	1.2	C(?)	silver grey	phyllites	+ quartz	x		.03
	51660	1.2	C	"	"	patchy orange & white	5		.01
	51670	0.7	C	light ora. br.	schist		65		x
	51680	1.1	C	mottled ora br's	schist	banded and feldspar(?)	10		x
	51690	1.0	C	silver grey	phyllites	+ quartz	x		.03
	51700			NO SAMPLE	- White Sands				
	51710			NO SAMPLE	- White Sands				
	51720	1.2	C	mottled br silver	schist		75		x
	51730	0.6	C	"	"		10		x
	51740	1.2	C(?)	grey-white		sandy	x		x
	51750	1.3	C(?)	"		"	x		x
	51760	1.3	C(?)	"		"	x		x
	51770	0.6	C(?)	"	quartzite	"	x		x
	51780	1.4	C	"	phyllite (?)		x		x
	51790	1.2	C(?)	creamy yellow		sandy	10		x
	51800	1.4	C(?)	orange red and black		quartz + feldspar (?)	20		x

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION N	E	DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)			
							Cu	As	Au	Rpt
13.0	51810	1.3	C	light buff		clays	10		x	
	51820	1.6	C	light grey	talcose	"	x		x	
	51830	1.6	C	light grey	quartzite	sands	x		x	
	51840			NO SAMPLE						
	51850	0.7	C	light grey	quartzite	sands	x		x	
	51860	0.8	C	light grey	"	"	x		x	
	51870	0.9	C	light grey	"	"	x		x	
	51880	1.5	C	bright br. ora	schistose		125		x	x
	51890	1.5	C	gr & ora. br.	g/s	friable	150		x	x
	51900	1.1	C	"	"	" + quartz	15		x	x
	51910	1.0	C	pale gr & br.	schist		15		x	x
	51920	0.7	C	cream ora. gr.	"	+ quartz	25		x	x
	51930	0.8	C	mid green	g/s		15		x/x	x
	51940	0.8	C	mottled br. green	"		90		x	
	51950	0.7	C	"	"		30		.02	
	51960	1.5	C	dark green	"		20		x	
	51970	1.1	C	pale green			10		x	
	51980	1.3	C	orange		banded	85		x	
	51990	1.2	C	green & brown	g/s	mottled	70		x	
	52000	1.4	C	grey green	schistose	mottled	30		x	
	52010	0.6	C	grey green	"		10		x	
	52020	0.7	C	blue grey	"		5		x	
	52030	1.2	C	yellow brown		crumbly	45		x/x	
	52040	1.1	C	pale brown		"	20		x	
	52050	1.0	C	orange greens		mottled	50		x	
	52060	0.3	C	red orange		friables	145		x	
	52070	0.5	C	pale yellow brown & green			15		x	
	52080	1.1	C	creams & br's		blotchy	40		x	
	52090	1.1	C	gr & dk brown	g/s	friable	240		x	
	52100	0.4	C	brown	schistose	banded	100		x	
	52110	0.2	C	brown green	g/s	mottled	400		x	
	52120	0.3	C	"	"	"	55		x	
	52130	1.2	C	"	"	"	215		x/x	
	52140	0.5	C	"	"	"	85		x	

081

905082

A.1.1:38.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
N	E						Cu	As	Au
13.0	52150	1.0	C	red brown		friable & banded	125		x
	52160	0.8	C	"		"	85		x
	52170	0.6	C	gr. ora. br.	g/s	mottled	270		x
	52180	1.1	C	"	"	banded	205		x
	52190	0.7	C	"	"	with quartz	30		x
	52200	1.0	C	orange brown	schistose		185		x
	52210			NO SAMPLE	- Gravels				
	52220	0.8	C	orange & silver	schistose		70		x
	52230	1.1	C	pale br & silver	"		60		x
	52240	0.4	C	pale green	g/s	Fe stained	140		.03/x
	52250	0.4	C	blue grey			50		x
	52260	0.4	C	"			70		.01
	52270	1.4	C	yellow brown	schistose	banded	55		.02
	52280	1.2	C	"	"	"	145		.01
	52290	1.4	C	"	"	"	210		x
	52300	0.9	C	yellow brown		mottled	30		x
	52310	1.2	C	green	g/s	crumbly	30		.02
	52320			NO SAMPLE	- Gravels				
	52330	0.7	C	grey	schist		10		.01
	52340	0.9	C	silver brown	schist		10		.01
	52350	0.8	C	silver green	g/s		10		.01/x
	52360			NO SAMPLE	- White Sands				
	52370			NO SAMPLE	- White Sands				
	52380	1.1	C	pale silver br.	schist	friable	5		.01
	52390	0.4	C(?)	"	"	"	25		.02
	52400	0.4	C	"	"	"	10		x
	52410	0.4	C	brown & silver	schistose	banded	10		x
	52420	0.4	C	pale silver br.	schist	friable	5		x
	52430	1.5		NO SAMPLE					
	52440	0.6	C	silver grey	schist		x		x
	52450	1.5		NO SAMPLE	- Road Spoil				
	52460	1.5		NO SAMPLE	- Road Spoil				
	52470	0.3	C	green	g/s		25		x
	52480	ROCK CHIP			schist		5		.01
	52490	ROCK CHIP			schist		5		x

082

905083

A.1.1.39.

SOIL SAMPLE DATA - DAVIS CREEK SERIES

LOCATION N	E	DEPTH (m)	HORIZON	COLOUR	ROCK CHIPS	REMARKS	ASSAYS (ppm)		
							Cu	As	Au
13.0	52500	1.2	C	pale gr. & br.		friable	35		x
	52510	0.9	C	green & orange		massive	50		x
	52520	0.7	C	silver grey & br.	schist		15		x
	52530	0.9	C	"		friable	25		x/x
	52540	0.4	C	grey gr. & br.		mottled	90		x
	52550	0.3	C(?)	"	schist		x		x
	52560	0.4	C	silver grey & br.	"		x		x
	52570	0.7	C	"		friable	50		x
	52580	0.9	C	orange & green		"	20		x
	52590	1.0	C	gr. & gr. brown		banded	45		x
	52600	1.5	C	"		"	49		x
	52610	0.6	C	dk grey black	graphitic		5		x
	52620	0.7	C	"	"		5		x
	52630	0.8	C	green & orange & red		mottled	110		x/x
	52640	1.1	C	orange brown		crumbly	90		x
	52650	0.8	C	white, red & green		speckled, amphibolite(?)	65		x
	52660	1.3	C	greens & browns		friable	20		x
	52670	0.7	C	green grey & yellow brown		friable	15		x
	52680	0.6	C	silver grey & yellow brown	schist	banded	50		x
	52690	0.3	C	"	"	"	10		x
	52700	0.4	C	"	"	"	15		x
	52710	0.8	C(?)	br. & yel. br.		banded, with qtz	25		x
	52720	0.6	C	"		"	10		x
	52730	0.7	C	bright orange		friables	30		x/x

METHOD	101	114	329
DETECTION	5	1	0.01

NOTE: x Below limit of detection

APPENDIX 2.0ROCK SAMPLE ANALYSIS

A.2.1. Rock Sample Analysis, Location, Type and Description.

Geochemical Reports:

Analabs	236.1.08	3880	86/0133
Analabs	236.1.08	4140	87/0134 - 0166
Analabs	236.1.08	4175	87/0167 - 0179
Analabs	236.1.08	4283	87/0180 - 0202
Analabs	236.1.08	4325	87/0203 - 0275
Analabs	236.1.08	4386	87/0276 - 0317
		reassay	87/0203 - 0275
Analabs	236.1.08	4408	87/0318 - 0338
WMC	CR 000380		87/0339
WMC	CR 000381	reassay	87/0186 - 0192, 87/0275 & 87/0279 & 87/0320 - 0322
WMC	Cr 000380		87/0340 - 0380
Analabs	236.1.08	4498	87/0381 - 0388
Analabs	236.1.08	4515	87/0407 - 0426
Analabs	236.1.08	4540	87/0427 - 0459

A.2.2. Petrographic Descriptions of 3 thin sections

Geochemical Report:

Analabs	236.1.08	4283	87/0182 - 0184
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ANALYTICAL RESULTS

085

						Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0148	Davis Creek Workings	11.90	51.40	0/C	Channel sampling of costeans, pits, trenches.							x		
87/0149	"	"	"	"	"							x		
87/0150	"	"	"	"	"							x		
87/0151	"	"	"	"	"							.01		
87/0152	"	"	"	"	"							x		
87/0153	"	"	"	"	"							.02	.04	
87/0154	"	"	"	"	"							x		
87/0155	"	"	"	"	"							x		
87/0156	"	"	"	"	"							x		
87/0157	"	"	"	"	"							x		
87/0158	"	"	"	"	"							x		
87/0159	"	"	"	"	"							x		
87/0160	"	"	"	"	"							x		
87/0161	Jaffa Creek	11.80	51.40	0/C	Bedrock in creek							x		
87/0162	"	"	"	"	"							x		
87/0163	"	"	"	"	"							x		
87/0164	"	"	"	"	"							x		
87/0165	"	"	"	"	"							x		
87/0166	"	"	"	"	"							x		
87/0167	Davis Creek Workings	"	"	"	Channel sampling of water race							x		
87/0168	"	"	"	"	"							x		
87/0169	Davis Creek Workings	11:80	51.40	0/C	Channel sampling of water race							x		

905086

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc.	DESCRIPTION	ANALYTICAL RESULTS											
		N	E			Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC			
87/0170	Davis Creek Workings	11.80	51.40	O/C	Channel sampling water race											x	
87/0171	"	"	"	"	"											x	
87/0172	"	"	"	"	"											x	
87/0173	"	"	"	"	"											x	
87/0174	Davis Creek	12.2	51.63	"	Outcrop in creek bed											x	
87/0175	"	"	51.60	"	"											.01	
87/0176	"	"	51.58	"	"											.01	
87/0177	"	"	51.55	"	"											.02	
87/0178	"	"	"	"	"											x	
87/0179	"	"	"	"	"											x	
87/0180	Jaffa Creek	11.75	51.35	"	Outcrop in creek, felsite											x	
87/0181	"	"	51.37	"	"											.07	
87/0182	Headwaters of Davis Creek	12.2	51.70	"	Outcrop in creek, Amphibolite	No Results	-	Thin Section	See Appendix								
87/0183	Sawpit Lode (?)			"	Cutting in Rocky River Access Road, felsite	No Results	-	Thin Section	See Appendix								
87/0184	Jaffa Creek	11.75	51.35	"	O/C in creek, felsite	No Results	-	Thin Section	See Appendix								
87/0185	Trib of Brodericks Creek	12.80	51.80	"	Pyrite-pyrrhotite semi quartzite											x	
87/0186	Davis Creek grid	12.40	51.71	"	Orange phyllite, high gold check											x	x
87/0187	"	"	"	"	"											x	x
87/0188	Davis Creek Grid	12.50	51.74	O/C	Amphibolite, 2m channel sample											.03	x

905087

087

						ANALYTICAL RESULTS								
						Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0189	Davis Creek Grid	12.50	51.74	O/C	Material around auger hole, 1.4m							x		x
87/0190	"	"	"	"	Banded iron material in hole.							.03		x
87/0191	Specimen Reef Grid	11.25	52.35	"	Channel sample 1.5m long							.38		.54
87/0192	"	"	"	"	Material around auger hole @ 1.2m							.50	.50	.53
87/0193	Dozer Track Area	00.28	46.84	"	Schistose hematite - quartz rock							x		
87/0194	"	00.41	46.90	"	Blocky greenschist no feldspars							x		
87/0195	"	00.49	46.96	"	Streaked amphibolite							x		
87/0196	"	00.66	47.09	"	Typical brown weathering Bowry							x		
87/0197	"	01.20	47.46	"	"							x		
87/0198	"	00.68	47.43	"	Hematite rich							x		
						MgO	Al ₂ O ₃	SiO ₂	P ₂ O ₅	K ₂ O	CaO	MnO	Fe ₂ O ₃	
87/0199	"	99.23	46.88	"	Magnesite	42.5	<.05	2.1	.01	.04	2.3	.07	2.5	
87/0200	"	99.38	47.18	"	Granular greenschist							x		
87/0201	"	99.24	47.32	"	Blocky dk green g/s							x		
87/0202	"	99.30	47.23	"	Amphibolite							x		
87/0203	Whyte/Rocky River Costean	90.00	49.00	O/C	Costean 0 - 5m	90			3			x		

905088

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc	DESCRIPTION	ANALYTICAL RESULTS									
		N	E			Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC	
87/0204	Whyte/Rocky River Costean	90.00	49.00	0/C	Costean 5-10m	50					3		x		
87/0205	"	"	"	"	" 10-15m	55					2		x		
87/0206	"	"	"	"	" 15-20m	15					1		x		
87/0207	"	"	"	"	" 20-25m	40					1		x		
87/0208	"	"	"	"	" 25-30m	50					2		x		
87/0209	"	"	"	"	" 30-35m	195					1		x		
87/0210	"	"	"	"	" 35-40m	110					2		x		
87/0211	"	"	"	"	" 40-45m	175					3		x		
87/0212	"	"	"	"	" 45-50m	135					x		x		
87/0213	"	"	"	"	" 50-55m	125					2		x		
87/0214	"	"	"	"	" 55-60m	140					3		x		
87/0215	"	"	"	"	" 60-65m	110					3		x		
87/0216	"	"	"	"	" 65-70m	195					3		x		
87/0217	"	"	"	"	" 70-75m	210					2		x		
87/0218	"	"	"	"	" 75-80m	290					5		x		
87/0219	"	"	"	"	" 80-85m	280					8		x		
87/0220	"	"	"	"	" 85-90m	175					11		x		
87/0221	"	"	"	"	" 90-95m	140					4		x		
87/0222	"	"	"	"	" 95-100m	120					5		x		
87/0223	"	"	"	"	" 100-105m	105					6		x		
87/0224	Whyte/Rocky River Costean	90.00	49.00	0/C	Costean 105-110m	85					9		x		

089

							ANALYTICAL RESULTS					Au Rpt	Au WMC
							Cu	Pb	Zn	Mn	As		
87/0225	Whyte/Rocky River Costean	90.00	49.00	0/C	Costean	110-115m	60			7		x	
87/0226	"	"	"	"	"	115-120m	55			15		x	
87/0227	"	"	"	"	"	120-125m	160			6		x	
87/0228	"	"	"	"	"	125-130m	170			5		x	
87/0229	"	"	"	"	"	130-135m	145			4		x	
87/0230	"	"	"	"	"	135-140m	45			5		x	
87/0231	"	"	"	"	"	140-145m	30			3		x	
87/0232	"	"	"	"	"	145-150m	70			2		x	
87/0233	"	"	"	"	"	150-155m	70			4		x	
87/0234	"	"	"	"	"	155-160m	60			3		x	
87/0235	"	"	"	"	"	0- 5m	40			3		x	
87/0236	"	"	"	"	"	5- 10m	30			3		x	
87/0237	"	"	"	"	"	10- 15m	80			1		x	
87/0238	"	"	"	"	"	15- 20m	85			2		x	
87/0239	"	"	"	"	"	20- 25m	155			2		x	
87/0240	"	"	"	"	"	50- 55m	10			4		x	
87/0241	"	"	"	"	"	55- 60m	15			3		x	
87/0242	"	"	"	"	"	60- 65m	25			3		x	
87/0243	"	"	"	"	"	65- 70m	15			3		x	
87/0244	"	"	"	"	"	70- 75m	95			2		x	
87/0245	"	"	"	"	"	90- 95m	55			4		x	
87/0246	Whyte/Rocky River Costean	99.00	49.00	0/C	Costean	110-115m	15			6		x	

905090

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc	DESCRIPTION	ANALYTICAL RESULTS									
		N	E			Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC	
87/0247	Whyte/Rocky River Costean	99.00	49.00	O/C	Costean 120-125m	10					8			x	
87/0248	"	"	"	"	" 125-130m	45					4			x	
87/0249	"	"	"	"	" 130-135m	30					6			x	
87/0250	"	"	"	"	" 0- 5m	30					4			x	
87/0251	"	"	"	"	" 5- 10m	15					4			x	
87/0252	"	"	"	"	" 10- 15m	20					6			x	
87/0253	"	"	"	"	" 15- 20m	65					12			x	
87/0254	"	"	"	"	" 20- 25m	35					10			x	
87/0255	"	"	"	"	" 25- 30m	30					8			x	
87/0256	"	"	"	"	" 30- 35m	35					10			x	
87/0257	"	"	"	"	" 35- 40m	80					14			x	
87/0258	"	"	"	"	" 40- 45m	35					17			x	
87/0259	"	"	"	"	" 45- 49m	40					73			x	
87/0260	"	"	"	"	" 61- 65m	80					20			x	
87/0261	"	"	"	"	" 65- 70m	145					23			x	
87/0262	"	"	"	"	" 70- 75m	65					19			x	
87/0263	"	"	"	"	" 75- 80m	10					16			x	
87/0264	"	"	"	"	" 80- 85m	30					8			x	
87/0265	"	"	"	"	" 85- 90m	20					12			x	
87/0266	Whyte/Rocky River Costean	99.00	49.00	O/C	Costean 90- 95m	105					12			x	

905091

							ANALYTICAL RESULTS								
							Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0267	Whyte/Rocky River Costean	99.00	49.00	O/C	Costean	95-100m	20			8		x			
87/0268	"	"	"	"	"	100-105m	15			9		x			
87/0269	"	"	"	"	"	105-110m	20			6		x			
87/0270	"	"	"	"	"	110-115m	70			18		x			
87/0271	"	"	"	"	"	115-120m	35			14		x			
87/0272	"	"	"	"	"	120-125m	115			8		x			
87/0273	"	"	"	"	"	125-130m	120			5		x			
87/0274	"	"	"	"	"	130-135m	95			7		x			
87/0275	"	"	"	"	pyritic quartzite		5			3		x		x	
87/0276	Dozer Track Area	00.48	47.64	"	Dk green feldspar streaked volc.							x	x		
87/0277	"	00.88	47.80	"	orange-green, "sandy"							x			
87/0278	"	00.55	47.66	"	brown-green							x			
87/0279	"	02.74	48.78	"	typical middle Bowry							1.78		x	
87/0280	"	02.59	48.52	"	Dk grey-green schistose and quartz							x			
87/0281	"	02.53	48.40	"	Thinly bedded (?), fine grained							.07			
87/0282	"	02.28	48.34	"								.04			
87/0283	"	02.49	47.40	"	semi-quartzite, augen texture							.03			
87/0284	"	02.43	47.32	"	Felsite							x			
87/0285	Dozer Track Area	02.30	47.32	O/C	Semi-quartzite							.01			
87/0286	Rocky River	89.30	49.34	O/C	Blocky pyritic green- schist		60			3		.01	.03		

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905092

A.2.1.9. 092

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc	DESCRIPTION	ANALYTICAL RESULTS									
		N	E			Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC	
87/0287	Rocky River	89.32	49.33	0/C	Blocky pyritic green-schist, with magnetite	80					1		.02		
87/0288	"	89.34	49.33	"	fissile greenschist	95					2		.02		
87/0289	"	89.39	49.32	"	feldspar rich greenschist	50					x		x		
87/0290	"	89.39	40.30	"	blocky greenschist	40					2		.01		
87/0291	"	89.40	49.32	"	greenschist	15					x		x		
87/0292	"	89.42	49.28	"	pyritic, fine grained greenschist	35					x		x		
87/0293	"	89.44	49.27	"	greenschist	15					x		x	.01	
87/0294	"	89.47	49.24	"	pyritic greenstone	5					x		x		
87/0295	"	89.51	49.24	"	discordant blocky g/s	5					x		.01		
87/0296	"	89.52	49.20	"	"	50					1		x		
87/0297	"	89.50	49.19	"	as above with pyrite + magnetite	10					x		.01		
87/0298	"	89.49	49.17	"	coarse grained g/s	70					1		x		
87/0299	"	89.44	49.21	"	fine grained pyrite + magnetite greenschist	55					x		x		
87/0300	"	89.41	49.21	"	"	15					x		x		
87/0301	"	89.39	49.16	"	quartzite	15					x		.01		
87/0302	"	89.37	49.16	"	semi-quartzite	5					x		.01		
87/0303	"	89.39	49.14	"	greenschist interbed within 301/302	75					x		.02		
87/0304	"	89.39	49.12	"	pyritic quartzite	10					x		.01		
87/0305	Rocky River	89.40	49.11	0/C	non-fissile pyritic g/s	10					x		.01		

905093

093

						ANALYTICAL RESULTS								
						Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0306	Rocky River	89.40	49.08	O/C	non-fissile pyritic g/s									
								NO	SAMPLE	-	LOST			
87/0307	"	89.40	49.04	"	fissile - pyritic g/s	x				x		.06		
87/0308	"	89.43	49.03	"	"	x				x		x	x	
87/0309	"	89.25	49.36	"	fine grained blocky g/s	30				x		x		
87/0310	"	89.20	49.36	"	"	20				x		.02		
87/0311	"	89.19	49.35	"	"	55				x		.02		
87/0312	"	89.12	49.30	"	"	45				x		x	.01	
87/0313	"	89.07	49.32	"	"	40				2		x		
87/0314	"	89.02	49.36	"	as above with blotchy feldspars	15				1		x		
87/0315	"	88.97	49.38	"	Quartz-carbonate (?)	x				1		.01		
87/0316	"	88.95	49.39	"	iron rich greenschist	x				x		x		
87/0317	"	88.93	49.41	"	greenschist	15				x		x		
87/0318	Whyte River	90.14	48.92	"	typical greenschist	5				x		x		
87/0319	"	90.12	48.96	"	semi quartzite	5				2		x		
87/0320	"	90.10	49.00	"	brown, blocky iron rich schist	20				3		x		x
87/0321	"	90.10	49.00	"	quartzite	5				2		x		x
87/0322	"	90.10	49.01	"	graphite pod	15				18		x		x
87/0323	"	90.70	49.07	"	felsite	20				12		x		
87/0324	Assoc. Rocky River, Eastern Copper Lode	88.91	49.45	"	Qtz-carbonate vein	470	10	85	4000	x	x	.04	.06	
87/0325	"	88.91	49.45	"	"	265	15	180	1850	1	x	.03		
87/0326	"	"	"	"	"	65	10	285	7050	3	x	x		
87/0327	"	"	"	"	"	155	10	265	2300	3	x	x		

905094

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc	DESCRIPTION	ANALYTICAL RESULTS								
		N	E			Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0328	Assoc. Rocky River, Eastern Copper Lode	88.91	49.45	O/C	Quartz-carbonate vein	120	15	205	2050	4	x	x		
87/0329	"	"	"	"	"	150	15	145	4950	3	x	x		
87/0330	"	"	"	"	"	260	10	175	3000	4	x	x		
87/0331	"	"	"	"	"	85	15	260	1750	4	x	x		
87/0332	"	"	"	"	"	45	25	365	2950	27	x	x	x	
87/0333	Breakneck Creek	88.56	49.26	"	coarse grained py. + mag. greenschist	25				3		x		
87/0334	"	88.56	49.25	"	pyritic siliceous carb.	30				2		x		
87/0335	"	88.52	49.23	"		15				3		x		
87/0336	"	88.50	49.21	"	bleached greenschist	20				x		x		
87/0337	"	88.50	49.19	"	pyritic quartzite	5				1		x		
87/0338	"	88.48	49.17	"	"	5				1		x		
87/0339	Whyte/Rocky River Costean	89.98	49.20	"	graphite pod, sawpit (?)									x
87/0340	Dozer Track Area	01.24	48.08	"										.08
87/0341	"	01.20	48.00	"										x
87/0342	"	01.19	47.90	"										x
87/0343	"	02.74	48.78	"	deep orange-red weathering schists									x
87/0344	"	"	"	"	"									x
87/0345	"	"	"	"	"									x
87/0346	"	"	"	"	"									x
87/0347	"	"	"	"	"									x
87/0348	Dozer Track Area	02.74	48.78	O/C	deep orange-red weathering schists									x

095

ANALYTICAL RESULTS

						Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0349	Dozer Track Area	02.74	48.78	0/C	deep orange-red weathering schists									
87/0350	"	"	"	"	"									x
87/0351	"	"	"	"	"									x
87/0352	"	"	"	"	"									x
87/0353	"	"	"	"	"									x
87/0354	"	"	"	"	"									x
87/0355	"	"	"	"	"									x
87/0356	"	"	"	"	"									x
87/0357	"	"	"	"	"									.02
87/0358	"	"	"	"	"									x
87/0359	"	"	"	"	"									x
87/0360	"	"	"	"	"									x
87/0361	"	"	"	"	"									x
87/0362	Dozer Track Area	02.74	48.78	0/C	"									x
87/0363	"	"	"	"	"									x
87/0364	"	"	"	"	"									x
87/0365	"	"	"	"	"									x
87/0366	"	"	"	"	"									x
87/0367	"	"	"	"	"									x
87/0368	"	"	"	"	"									x
87/0369	"	"	"	"	"									x
87/0370	"	"	"	"	"									x
87/0371	"	"	"	"	"									x
87/0372	"	"	"	"	"									x
87/0373	Dozer Track Area	02.74	48.78	0/C	"									x

905096

096

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc	DESCRIPTION	ANALYTICAL RESULTS									
		N	E			Cu	Pb	Zn	Mn	Ag	As	Au	Au Rpt	Au WMC	
87/0374	Dozer Track Area	02.74	48.78	O/C	deep orange-red weathering schists										x
87/0375	"	"	"	"	"										x
87/0376	"	"	"	"	"										x
87/0377	"	"	"	"	"										x
87/0378	"	"	"	"	"										x
87/0379	"	"	"	"	"										x
87/0380	"	"	"	"	"										x
87/0381	"	02.05	47.85	"	HM 434 secondary veins in gravel							.07	.07		
87/0382	"	01.35	47.65	"	HM 435 "							.01			
87/0383	MC I core			drill core	Talc schist marker 4							.03	.02		
87/0384	"			"	"							x			
87/0385	"			"	" marker 4z							.02			
87/0386	"			"	" marker 4y							x			
87/0387	Magnesite Main Creek			O/C	Talc schist marker 4							x			
87/0388	"			"	Talc schist marker 4z							.01			
87/0389	"			"	Fault talc										
87/0390	"			"	Talc schist										
87/0391	"			"	White talc										
87/0392	"			"	Soft grey talc										
87/0393	Bowry Creek			"	Brown porous ochre										

905097

						ANALYTICAL RESULTS								
						Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0394	Main Creek	99.08	46.77	O/C	Purple ochre	plus industrial mineral examination								
87/0395	"	99.09	46.96	"	"									
87/0396	Bowry Creek				Chocolate Brown ochre									
87/0397	Savage-Corinna Road	07.30	54.40	"	Graphitic slate									
87/0398	"	00.40	50.00	"	Graphitic phyllite									
87/0399	"	94.80	49.00	"	"									
87/0400	"	93.45	48.50	"	Graphitic slate									
87/0401	Main Creek	99.23	46.85	float	Soft talc									
87/0402	"	99.35	46.85	O/C	Talc schist									
87/0403	"	99.08	46.92	"	"									
87/0404	"	99.07	46.84	"	"									
87/0405	"	99.17	46.92	float	Chlorite schist									
87/0406	"	99.17	46.92	"	Amphibolite									
87/0407(a)	Dozer Track Area	02.02	48.19	O/C	Greenschist							x	x	
87/0408(b)	"	02.12	48.25	"	Greenschist + quartz							x		
87/0409(c)	"	02.13	48.25	"	Greenschist							x		
87/0410(d)	"	02.15	48.26	"	Greenschist + graphite + quartz							x		
87/0411(e)	"	02.17	48.27	"	"							x		
87/0412(f)	"	02.19	48.28	"	Deeply weathered g/s, orange col.							x		
87/0413(g)	"	02.30	48.32	"	Orange-brown foliated schist							x		
87/0414(h)	Dozer Track Area	02.32	48.33	O/C	Weathered greenschist(?)							x		

E.L. 4/61 SAVAGE RIVER ROCK CHIP LEDGER

038

SAMPLE NUMBER	AREA	LOCATION		Outcrop float, Mine Dump etc	DESCRIPTION	ANALYTICAL RESULTS								
		N	E			Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0415(i)	Dozer Track Area	02.35	48.34	0/C	Blocky orange-black amphibolite (?)							x	x	
87/0416(j)	"	02.40	48.39	"								x		
87/0417(k)	"	02.45	48.40	"	Distinctly orange schist							x		
87/0418(l)	"	02.49	48.44	"	Brown orange schist							x		
87/0419(m)	"	02.49	48.46	"								x		
87/0420(n)	"	02.50	48.48	"	Blocky non foliated schist							x		
87/0421(o)	"	02.53	48.49	"	Orange-pink							x		
87/0422(p)	"	02.60	48.50	"								x		
87/0423(q)	"	02.64	48.52	"	Foliated greenschist							x		
87/0424(r)	"	02.67	48.54	"	"							x		
87/0425(s)	"	02.69	48.56	"								x		
87/0426(t)	"	02.72	48.60	"								x		
87/0427	Specimen Reef	11.25	52317.5	"	Costean Sampling, 2.5m							x		
87/0428	"	"	52320	"	"							.02		
87/0429	"	"	52322.5	"	"							x		
87/0430	"	"	52325	"	"							x		
87/0431	"	"	52327.5	"	"							x		
87/0432	"	"	52330	"	"							.01	.02	
87/0433	"	"	52332.5	"	"							.01		
87/0434	"	"	52335	"	"							x		
87/0435	Specimen Reef	11.25	52337.5	0/C	Costean Sampling, 2.5m							x		

905099

ANALYTICAL RESULTS

						Cu	Pb	Zn	Mn	As	Ag	Au	Au Rpt	Au WMC
87/0436	Specimen Reef	11.25	52340	0/C	Costean Sampling, 2.5m							x		
87/0437	"	"	52342.5	"	"							x		
87/0438	"	"	52345	"	"							x		
87/0439	"	"	52347.5	"	"							x		
87/0440	"	"	52350	"	"							.01		
87/0441	"	"	52352.5	"	"							.02		
87/0442	"	"	52355	"	"							.20		
87/0443	"	"	52357.5	"	"							.09		
87/0444	"	11.20	52350	"	"							x		
87/0445	"	"	52352.5	"	"							x		
87/0446	"	"	52355	"	"							x		
87/0447	"	"	52357.5	"	"							.02		
87/0448	"	"	52360	"	"							.02		
87/0449	"	"	52362.5	"	"							.11		
87/0450	"	"	52365	"	"							.01		
87/0451	"	"	52367.5	"	"							.13		
87/0452	"	11.205	52355	"	"							.04	x	
87/0453	"	11.21	52355	"	"							.02		
87/0454	"	11.215	"	"	"							.01		
87/0455	"	11.22	"	"	"							.02		
87/0456	"	11.225	"	"	"							.05		
87/0457	"	11.23	"	"	"							.01		
87/0458	"	11.235	"	"	"							x		
87/0459	Specimen Reef	11.24	52355	0/C	Costean Sampling, 2.5m							x		

099

905100

100

905101

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.
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Coose,
Tasmania

10-3-87

908 0 07 30

o/n 236 1 08 428B

Preparation of three thin sections of three rocks
and petrographic descriptions.

R Townend.



Sample 87 0182

Rock specimen Greenstone

Thin section

Plagioclase	
Quartz) 30-60%
Chlorite	15-20%
Amphibole	15-20%
Sphene	5-7%
Clinozoisite	3-5%
Opagues	1-2%
K feldspar	1-2%

This is a Basic Schist, that has a strong foliation /schistosity due to the alignment of the green amphibole (actinolite?) and chlorite respectively. These are irregularly wrapped around a fine quartzofeldspathic component, in which the proportion of plagioclase and quartz is difficult to separate because of the untwinned nature of the former. Cobaltinitrite staining showed a little K feldspar was also present. Slightly coarser 0.1mm, lens of quartz show a marked internal lination. Clinozoisite is ubiquitous through the ?sodic plagioclase.

Streaks and lenses of microcrystalline ?sphene are common following the preferred fabric. Lengths can exceed a millimetre and some are folded. Partly oxidised pyrite is disseminated and may be related to "goethite" veins.

The sphene bodies indicate the former coarseness of a Basic Intrusive, ie, were iron titanium oxides of +0.5mm.

Sample 87 0183

Rock specimen Kaolinitic saprolite

Thin section

Clay	major
Quartz	
Feldspar)	major
Talc	25-35%
Chlorite	accessory
Rutile	2-3%
Opagues	1-2%

This is classified as a partially kaolinised metamorphosed ?igneous assemblage, based on the presence of albite, chlorite and talc. The talc gives a schistosity. Although difficult to identify optically, the SEM found kaolin to be the major constituent which supports the hand specimen appearance.

Plagioclase can be identified by occasional preserved twinning and crystals can be up to 0.4mm and appear to deflect the schistosity. There are quartz strips with a marked lineation. Rutile/opaque strips are common, the opaques registering Fe>>Ti. Altered chlorite was identified by the SEM with Mg₄Fe₃.

The evidence favours an altered Igneous/Crystal Tuff parent with a Basic composition

Sample 87 0184

Rock specimen altered quartzofeldspathic rock

Thin section

Plagioclase	77%+
Quartz	5-10%
Sericite	5-10%
Rutile	1-2%
Tourmaline	1%
Opagues	1%

The slide incorporates a non limonitic and limonitic parts. The fresh part is dominated by plagioclase feldspar that is mostly fresh although sericite is not uncommon. The crystals vary in size and shape, commonly reaching 0.5mm, but also as much finer mosaics. Twinning varies in its intensity and is a discontinuous albite type not uncommonly showing distortion. The composition of the feldspar(SEM) is oligoclase.

Quartz is very patchy and difficult to resolve where the feldspar is untwinned. There are veins of coarse quartz with feldspar at the margins. The sericite is sporadic never totally replacive of a feldspar etc. Fine rutile and stubby tourmaline are common accessories. Equant ores are pyritic.

The composition of the rock indicates an Dioritic material that has experienced deformation and recrystallization. It may be a minor intrusive ,a late phase from a larger body, suggested by the quartz veining.

PHOTO 1 87 0182 BASIC SCHIST WITH COARSE SPHENE PALIMPSEST
NIC UNC. FIELD WIDTH 1.8MM

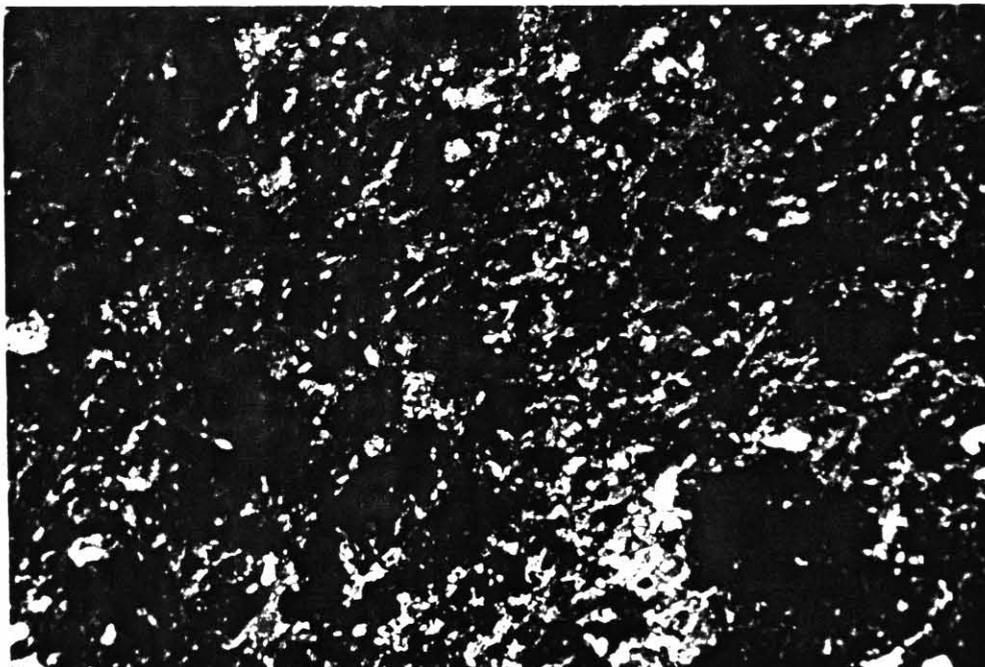
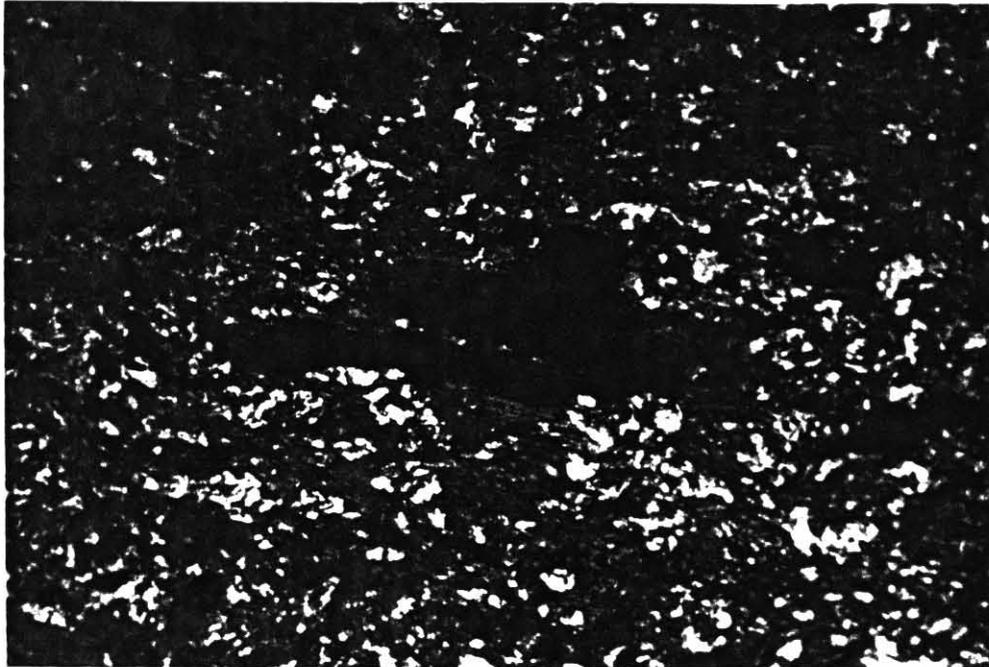
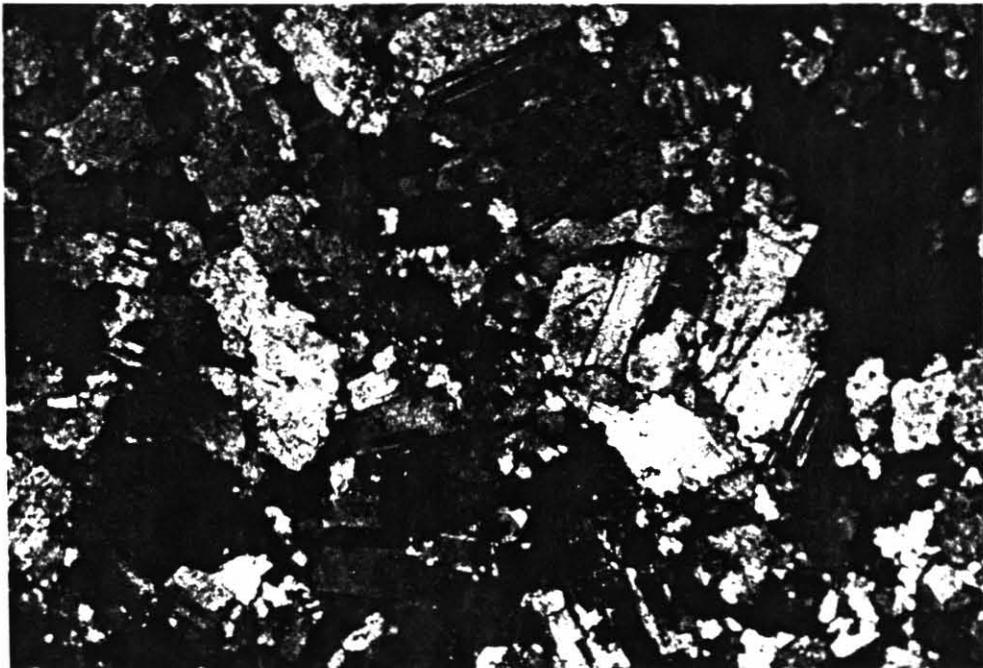


PHOTO 2 87-0183 KAOLINISED CHLORITE TALC QUARTZ PLAGIOCLASE
ASSEMBLAGE. NIC CROS. FIELD WIDTH 1.8MM

PHOTO 3 87-0184 DEFORMED OLIGOCLASE-RICH INTRUSIVE.
NIC CROS. FIELD WIDTH 1.8MM



APPENDIX 3.0WATER RACE / ROCKY RIVER PROSPECTA.3.1. Water Race Soil Samples - Location, Horizon, Colour,
Remarks and Analyses.

Geochemical Reports:

Analabs	236.1.08	4386	WR	00 - 1000
Analabs	236.1.08	4408	WR	1020 - 1140
WMC	CR 000381	reassay	WR	260 - 480
WMC	CR 000391		WR	270 - 490

A.3.2. Water Race Spur Soil Samples - Location, Horizon, Colour,
Remarks and Analyses.

Geochemical Reports:

WMC	CR 000391		WRSP	10 - 180
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E.L. 4/61 SAVAGE RIVER WATER RACE LEDGER

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIP OR SOIL	DESCRIPTION	ANALYTICAL RESULTS				
N	E						Cu	As	Au	Au Rpt	Au WMC
90.01	48.99	1.0	C	Brown- orange & silver-grey	soil	WR 00, thin bedded unit	15	5	x	x	
89.99	48.99	1.0	C	"	"	20, "	10	3	x		
89.97	49.00	1.0	C	"	"	40, "	360	6	x		
89.95	49.00	-	-	"	R/C	60, "	10	3	x		
89.93	49.00	-	-	"	"	80, "	20	6	x		
89.91	49.00	0.6	C	"	soil	100, "	180	4	x		
89.90	48.99	-	-	"	R/C	120, "	280	2	x		
89.88	48.99	-	-	"	"	140, "	95	4	x		
89.85	48.98	0.8	C	white-grey	soil	160, felsite	55	6	.01		
89.83	48.98	0.6	C	brown-orange & silver-grey	"	180, thin bedded unit	15	3	x		
89.82	48.97	0.3	C	"	"	200, "	255	6	.02	x	
89.80	48.98	-	-	"	R/C	220, "	30	4	x		
89.79	48.99	0.6	C	"	soil	240, "	40	2	.01		
89.79	49.02	-	-	"	R/C	260, "	55	4	x		x
89.79	49.02	0.3	C	creamy-orange	soil	270, thinly bedded unit					x
89.79	49.03	-	-	brown-orange & silver-grey	R/C	280, "	40	3	x		x
89.78	49.03	0.1	C	creamy-orange	soil	290, "					x
89.77	40.04	-	-	brown & red-black	R/C	300, blocky schist	370	8	x		x
89.77	49.04	0.2	C	creamy-orange	soil	310, thinly bedded unit / transitition					x
89.76	49.05	-	-	brown-orange & silver-grey	R/C	WR 320, thin bedded unit	15	4	x		x

E.L. 4/61 SAVAGE RIVER WATER RACE LEDGER

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LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIP OR SOIL	DESCRIPTION	ANALYTICAL RESULTS				
N	E						Cu	As	Au	Au Rpt	Au WMC
89.75	49.07	0.6	C	red	soil	WR 330 A, hematitic	50	2	.01		x
89.75	49.07	0.4	C	brown & red	"	330 B, banded clays					x
89.74	49.05	1.0	C	white & grey	"	340, felsite with black blob					x
89.73	49.08	-	-	grey	rock	350, foliated felsite					x
89.73	49.08	-	-	brown-orange	R/C	360, blocky schist	155	3	x		x
89.73	49.09	0.4	C	brown-orange & green-white	soil	370, felsite and g/s					x
89.73	49.10	-	-	white to grey	R/C	380, felsite	110	1	x		x
89.73	49.11	1.2	C(?)	grey and brown	soil	390, felsite					x
89.72	49.12	-	-	white, green	R/C	400, felsite with g/s	100	x	.02		x
89.71	49.12	0.2	C	green-brown	soil	410, friable g/s & felsite					x
89.70	49.12	1.5	C	white	soil	420, felsite	155	3	x		x
89.70	49.13	0.8	C	grey-white	"	430, felsite					x
89.70	49.14	-	-	orange-brown	R/C	440, blocky schist	215	1	x		x
89.69	49.14	0.2	C	grey-white	soil	450, felsite					x
89.68	49.15	1.0	C	blue-white	soil	460, felsite + quartzite	60	1	x		x
89.68	49.16	1.1	C	grey-white	soil	470, felsite					x
89.67	49.17	-	-	white	R/C	480, felsite	25	x	x		x
89.67	49.17	0.8	C	grey-white	soil	490, felsite					x
89.65	49.18	-	-	white-grey	R/C	500, "	5	3	x	x	
89.64	49.19	-	-	orange-brown	"	520, blocky schist	80	2	.02		
89.62	49.19	-	-	orange-brown	R/C	WR 540, blocky schist	10	1	x		

905109

E.L. 4/61 SAVAGE RIVER WATER RACE LEDGER

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIP OR SOIL	DESCRIPTION	ANALYTICAL RESULTS				
N	E						Cu	As	Au	Au Rpt	Au WMC
89.58	49.19	-	-	orange-brown	R/C	WR 580, blocky schist	30	x	.02		
89.56	49.19	-	-	"	"	600, "	115	1	.01		
89.57	49.21	0.6	C	"	soil	620,	40	1	.02		
89.57	49.22	-	-	green-brown	R/C	640, schist	20	1	x		
89.58	49.24	-	-	orange-brown	"	660, blocky schist	155	3	x		
89.59	49.26	-	-	"	"	680, "	35	1	x		
89.59	49.28	-	-	green	"	700, fissile greenschist	165	2	.02		
89.61	49.28	-	-	green	"	720, fissile greenschist	100	2	.01		
89.64	49.29	-	-	green-brown	"	740, blocky schist	70	x	.02	x	
89.62	49.30	-	-	"	"	760, "	15	3	.01		
89.61	49.30	0.3	C	brown	soil	780, "	105	x	.02		
89.60	49.31	0.3	C	light green	"	800, greenschist	40	x	x		
89.57	49.32	-	-	green-brown	R/C	840, g/s + magnetite	55	x	x		
89.55	49.33	-	-	"	"	860, "	55	x	.01		
89.53	49.33	0.4	C	mottled red-black	soil	880, hematitic	200	1	.02		
89.51	49.35	-	-	orange-brown & <u>red</u>	R/C	900, "	90	x	.01		
89.50	49.36	-	-	"	"	920, "	135	1	.01		
89.49	49.38	-	-	deep red	"	940, "	115	x	x		
89.48	49.39	-	-	green	"	960, green greenschist	160	x	x		
89.46	49.40	0.4	C	red-brown & black	soil	980, hematitic	130	1	x		
89.44	49.41	-	-	orange-brown + red	R/C	1000, "	75	x	x		
89.42	49.41	float(?)			R/C	WR 1020	260	3	x	x	

A.3.1.4
1110

E.L. 4/61 SAVAGE RIVER WATER RACE LEDGER

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIP OR SOIL	DESCRIPTION	ANALYTICAL RESULTS				
N	E						Cu	As	Au	Au Rpt	Au WMC
89.40	49.42	1.2	C	red	soil	WR1040, hematitic	360	1	x		
89.39	49.43	0.6	C	red	"	1060, "	350	8	x		
89.38	49.44	-	-	red	R/C	1080, "	300	x	x		
89.38	49.46	-	-	green	R/C	1100, green greenschist	235	x	x		
89.37	49.48	-	-	green	R/C	1120, "	80	x	x		
89.37	49.50	-	-	green	R/C	WR1140, green greenschist	230	1	x		

METHOD	101	114	329	329	Solv/AAS 25gr
DETECTION	5	1	.01	.01	.02

Note: x Below limit of detection

905111

WATER RACE SPUR LEDGER

LOCATION		DEPTH (m)	HORIZON	COLOUR	ROCK CHIP OR SOIL	DESCRIPTION	ANALYTICAL RESULTS	
N	E						Au	WMC
89.56	49.18	1.5	C	grey-white	soil	WRSP 10, felsite	.04	
89.55	49.17	0.8	C	grey-gr. & brown	"	20, mottled	x	
89.54	49.16	0.8	C	as above & red	"	30, hematitic	x	
89.54	49.15	0.2	C	green, br., grey		40, mottled	x	
89.53	49.15	-	-	green, br., red	rock	50, hematitic schist	x	
89.52	49.14	0.2	C	red	soil	60, hematitic	x	
89.52	49.13	0.6	C	red	"	70, "	x	
89.51	49.13	0.8	C	red and black	"	80, "	x	
89.49	49.13	0.3	C	green, orange	"	90, foliated g/s	x	
89.49	49.14	0.7	C	green-grey	"	100, greenschist	x	
89.48	49.14	0.3	C	orange-brown	"	110, schist	x	
89.47	49.14	0.3	C	green	"	120, bleached g/s	x	
89.46	49.15	0.2	C	orange-br., cream	"	130, schist	x	
89.45	49.15	0.4	C	"	"	140, schist	x	
89.44	49.15	0.2	C	"	"	150, schist	x	
89.43	49.15	0.3	C	"	"	160, schist	x	
89.42	49.15	-	-	grey	rock	170, quartzite + smear	x	
89.41	49.15	0.6	C	orange and green	soil	WRSP180, greenschist	x	
METHOD						solvent extraction/AAS	25gm	
DETECTION							.02	

Note: x Below limit of detection

APPENDIX 4.0DOZER TRACK PROSPECT

A.4.1. Dozer Track Soil Samples - Location, Depth, Horizon,
Colour, Remarks and
Analyses.

Geochemical Reports:

Analabs	236.1.08	4515	D 70M	-	D 300M
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DOZER TRACK AREA

Single scout line heading east on 105⁰ (magnetic) from site
of HM 436 distances slope corrected 0m = site of HM 436

905114

SOIL SAMPLE LEDGER

LOCATION		DEPTH (m)	HORIZON	COLOUR	DESCRIPTION	ANALYTICAL RESULTS Au/rpt
N	E					
01.69	47.68	1.4	C(?)	grey-white	D 70M, secondary after carbonate (?)	.02 .02
01.66	47.72	1.5	B	orange-brown & red	D110M, some foliation	.01
01.65	47.72	1.4	C	dk green & white	D130M, foliated g/s	x
01.65	47.73	0.7	C	brown-orange & green	D140M,	.01
01.64	47.74	1.0	C	reddy-brown	D150M, hematitic	x
01.64	47.75	0.6	C	"	D160M, " and crumbly	.01
01.63	47.76	0.7	C	bright orange & red	D170M, hematitic, banded and crumbly	.01
01.63	47.77	1.5	-	-	D180M, no sample	-
01.62	47.78	1.3	B/C	orange-green & red	D190M,	x
01.62	47.79	0.6	C	reddy-brown & black	D200M, hematitic & crumbly	.01
01.61	47.80	0.7	C	"	D210M, "	.01 .01
01.61	47.81	0.4	C	"	D220M, "	.01
01.60	47.82	1.0	C(?)	"	D230M, " , possibly float	x
01.60	47.83	1.0	C	"	D240M, " , "	x
01.59	47.84	0.7	C	orange- brown & red-yellow	D250M, crumbly	.01
01.59	47.85	1.0	C	reddy-black	D260M, banded & crumbly	x
01.58	47.86	1.2	C	"	D270M, "	x
01.58	47.87	0.8	C	red	D280M, hematitic	.01
01.57	47.88	1.2	C	red	D290M, "	x
01.57	47.89	0.7	C	red	D300M, "	.01
METHOD						329
DETECTION						.01

Note: x Below limit of detection

APPENDIX 5.0STREAM SEDIMENT SAMPLING

A.5.1. Sample Numbers, Area, Location, Remarks and Analyses.

Geochemical Reports:

Analabs	236.1.08	4283	HM 411 - 419
	236.1.08	4386	HM 420 - 430
WMC	CR 000381		HM 431 - 433
Analabs	236.1.08	4498	HM 434 - 436
	236.1.08	4515	HM 437 - 443

STREAM SEDIMENT 1987

E.L. 4/61 Savage River HM Series

115

SAMPLE NUMBER	CREEK/RIVER/AREA	LOCATION		REMARKS, FIELD INVESTIGATIONS	ASSAYS			Weight (gm)
		N	E		Au	Au Rpt	Au WMC	
HM 411	Davis Creek grid, soil profile	12.40	51.71	Loaming of gravel horizon, pink-brown mineral possibly pyrrhotite, 100kg	x			50
412	" "	12.50	51.74	Loaming of gravel horizon, pink-brown mineral pyrrhotite ?), pyrite, 30kg	x			44
413	Specimen Reef grid, soil profile	11.25	52.35	Loaming of gravel horizon, magnetite, chromite, minor pyrite, 60kg.	1.5	0.24		41
414	Dozer Track	00.78	46.60	Visible gold (1), ruby tin (1), chromite, base of cascade.	0.54	2.8		91.5
415	"	00.41	46.90	Visible gold (9), magnetite, chromite, base of cascade.	53.2	50.1		106
416	"	00.66	47.90	Visible gold (4), maghematite, chromite, base of cascade.	46.9			60
417	"	99.46	46.90	Maghematite, chromite, poor trap site, insufficient water.	0.12			32
418	"	99.38	47.18	Visible gold (2), magnetite, chromite, base of cascades.	25.5			81
419	"	99.43	47.50	Visible gold (1), pink-brown mineral, base of rapids.	3.07			54
420	"	00.41	47.75	Magnetite, chromite, base of series of falls.	x	I/S		30.6
421	"	00.90	47.86	" " " "	.01			30.1
422	"	02.40	48.02	Magnetite, chromite, (Gravels), base of series of falls.	x			34.8
423	"	01.95	48.20	Visible gold 7 specks, (Gravels), base of cascade.	84.0			50.4

905116

STREAM SEDIMENT 1987
E.L. 4/61 Savage River HM Series

SAMPLE NUMBER	CREEK/RIVER/AREA	LOCATION		REMARKS, FIELD INVESTIGATIONS	ASSAYS			Weight (gm)
		N	E		Au	Au Rpt	Au WMC	
HM 424	Dozer Track	02.50	48.48	Magnetite, chromite, ruby tin (?), gold 1 speck (Gravels), base of small waterfall.	10.20			26.1
425	"	02.72	48.68	Gold 4 specks, magnetite, chromite, base of cascade.	59.40			37.0
426	"	02.53	48.40	Magnetite, chromite, base of cascade.	0.18			42.2
427	"	02.33	48.21	Poor amount of heavies, mainly magnetite and chromite, boulder cascade.	0.25			24.5
428	"	02.28	48.34	Gravels, plenty of heavies mainly chromite, magnetite, base of boulder cascade.	0.96			26.6
429	"	02.45	47.35	Gravels, masses of heavies with chromite, magnetite and couple specks of ruby tin, base of waterfall.	2.96			52.9
430	"	02.25	47.32	Gravels, masses of heavies as above, + 5 very small specks of gold, boulder cascade.	8.40			142.0
431	Trib. of Rocky River	89.28	49.15	No visible gold, little magnetite + hematite, boulder stream bed.			x	74.2
432	Trib. of Main Creek, Dozer Track.	01.48	48.05	No visible gold, small amount of magnetite and chromite, base of small cascade.			2.14	28.4
433	"	01.24	48.08	No visible gold, as above, base of boulder cascade.			x	17.2
434	Bullocks Head gravel, Dozer Track.	02.05	47.85	Abundant chromite!! minor tourmaline, trace gold? basal sandy gravel, 0.4m section.			optical examination - results not at hand.	

STREAM SEDIMENT 1987
E.L. 4/61 Savage River HM Series

117

SAMPLE NUMBER	CREEK/RIVER/AREA	LOCATION		REMARKS, FIELD INVESTIGATIONS	ASSAYS			Weight (gm)
		N	E		Au	Au Rpt	Au WMC	
HM 435	Bullocks Head gravel, Dozer Track.	01.35	47.65	Abundant chromite!! minor tourmaline trace gold? basal cobble/pebble gravel.	1.87	1.92/0.18/0.20		104.6
436	"	01.60	47.55	Abundant chromite, minor tourmaline, cobble/boulder gravel.	2.33			155.3
437	Dozer Track area, "NE creek".	02.02	48.19	Poor amount of heavies, chromite and magnetite, fast flowing narrow neck.	0.30			19.0
438	"	02.13	48.25	Poor amount of heavies, chromite and magnetite, cascade.	6.43			21.4
439	"	02.30	48.32	Poor amount of heavies, chromite and magnetite, base of small cascade.	1.72			21.6
440	"	02.40	48.39	Poor amount of heavies, chromite and magnetite, + 2 specks of gold, boulder cascade.	1.49			28.1
441	"	02.49	48.44	Poor amount of heavies chromite and magnetite, + 3 specks of gold, boulder cascade.	5.87			33.5
442	"	02.60	48.50	Poor amount of heavies chromite and magnetite, 3 specks of gold and 1 bit 1x1mm, base of cascade.	2.47			30.7
443	"	02.77	48.76	Poor amount of heavies chromite and magnetite, + 2 specks of gold, base of cascade.	23.48			18.5

905118

APPENDIX 6.0CLAY SAMPLES

A.6.1. Sample Number, Location and Description

Reports:

Marafield Pty. Ltd., Ballarat

GS 1 - 35

CR 1 - 3

6.2. Various analyses.

CLAY SAMPLE LEDGER

SAMPLE NUMBER	LOCATION (grid ref)	DESCRIPTION
GS 1	482917	From road gutter, dark brown clay with macerated plant fossil material, some humic acid material and sand in joints. Series of spot samples over 10m.
GS 2	"	From next 10m of road gutter downhill from GS 1, dark brown clay, minor contamination of sample from sand in joints.
GS 3	"	From next 10m of road gutter downhill from GS 2, light brown clay, more plastic than dark variety and apparently derived from it by a near surface wet weathering process.
GS 4	"	From next 10m of road gutter downhill from GS 3, dark brown clay c.f. GS 2.
GS 5	"	From next 10m of road gutter downhill from GS 4, dark brown clay c.f. GS 2. end of continuous section.
GS 6	482916	Fines component of gravel associated with the clay.
GS 7	479917	From the gravel pit area 300m W. of GS 1-5 suite, 1.5m stratigraphic section of dark brown clay. The aim is to get a precise sample of the column previously sampled by GS 1-5. Samples GS 8-15 constitute a complete column through the deposit taken with a hand auger in a series of auger holes. The staircase of holes is adjacent to old sample GS 5 in the new exposure.
GS 8	482917	Top of section, 45cm of pink plastic clay, with minor sand 2-3cm at c. 20cm.
GS 9	"	30cm pink plastic clay.
GS 10	"	35cm dark brown stiff clay.
GS 11	"	65cm as above.
GS 12	"	65cm as above.
GS 13	"	30cm as above.
GS 14	"	45cm pink clay with sand at base.
GS 15	"	clayey sand, mostly light grey, minor orange. end of continuous section.

0. 120

CLAY SAMPLE LEDGER

SAMPLE NUMBER	LOCATION (grid ref)	DESCRIPTION
GS 16	482917	2m south from GS 14, blister of yellow clay occupying 20cm of the interval sampled near base of GS 14.
GS 17	"	70cm leached white clay, silty in part from upper portion of clay bed below 1.5 - 2.0m of sand between this sample and GS 15.
GS 18	"	60cm yellow-orange-pink leached clay, lower portion of bed sampled by GS 17. Rests on basal gravel bed of variable thickness, which overlies weathered Timbs Formation.
GS 19	"	c. 30cm, white sandy clay from above 1.2m sand bed overlying GS 8.
Samples GS 20 to GS 24 comprise a spot sampled column over 2.8m of exposure in an erosion gully in a gravel pit. The material is mostly indurated owing to weathering processes acting adjacent to transported gravel cover. The top is exposed but not the base and it is considered very likely that this is the same clay bed sampled by GS 1-5 and 8-15.		
GS 20	480919	top, pink and brown clay, some silty.
GS 21	"	brown indurated clay and stiff clay.
GS 22	"	as above.
GS 23	"	as above.
GS 24	"	bottom of exposure, as above but with minor coarse sand indicating approach to true bottom of bed.
GS 25	480915	50cm hand auger sample, pink clay over orange sandy clay.
Samples GS 26-28 constitute a continuous section taken with a hand auger, the top is truncated. At 471912 this locality is over 1km from the main sample area. It may represent the bed of samples GS 17-18 free of illuvial contamination.		
GS 26	471912	top, 40cm, chocolate brown and some pink clay.
GS 27	"	55cm, pink clay.
GS 28	"	75cm, off white clay silty near base.
GS 29	476918	80cm, indurated, chocolate brown silty clay grading to clayey sand.

CLAY SAMPLE LEDGER

SAMPLE NUMBER	LOCATION (grid ref)	DESCRIPTION
		Samples GS 30-34 comprise a series of partially overlapping 25kg samples from the main clay exposure. The aim of this sampling was to collect material of a particular colour and/or grain size which would be likely to be reproducible under full scale quarrying conditions.
GS 30	482917	1.5m, chocolate brown clay.
GS 31	"	1m, as above.
GS 32	"	1.2m, as above.
GS 33	"	1m, as above.
GS 34	"	1.2m, off white clay slightly sandy.
GS 35	471912	Roadside cutting, 1.5m section of chocolate brown clay, 25kg sample.
CR 1	449911	Light brown plastic clay from gravel pit south of road c.f. GS 3.
CR 2	435899	1.5m section of dark brown, well bedded clay. Base not exposed these but 15m away allowing thickness estimate of 2 - 3m. Road cutting exposure.
CR 3	452911	Brown silty clay from grader scrape next to road.

CLAY SAMPLES

905123

SAMPLE NUMBER	ANALYTICAL RESULTS									
	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	MnO	TiO ₂	L.O.I.
GS 1	61.6	19.2	.84	<.01	.56	.05	2.8	.01	.75	14.20
GS 1A	70.9	22.7	.96	<.01	.67	.06	3.4	.01	.90	0.42
GS 2	58.4	16.9	.98	<.01	.61	.12	2.7	.01	.11	19.90
GS 2A	55.7	27.1	.97	<.01	.68	.07	3.5	.01	1.00	10.92
CR 1	64.0	21.1	1.46	<.01	1.00	.11	4.4	.01	1.70	6.25
REFINED										
GS 31	45.1	21.50	1.00	.03	.79	.19	3.4	.01	1.20	26.80
GS 34	52.6	27.50	.98	.03	.76	.18	3.6	.01	.77	13.50
GS 35	49.9	28.20	2.05	.03	1.06	.19	3.7	.01	2.10	12.80
GS 30/31	46.6	23.80	1.04	.04	.82	.18	3.6	.01	1.20	22.70
GS 32/33	46.0	21.60	.98	.04	.74	.18	3.3	.01	1.00	26.20
GS 32/33 (bleached)	45.5	2.10	.90	.05	.67	.19	2.9	.01	.90	26.80
CALCINED										
GS 31	61.61	29.37	1.37	.04	1.08	.26	4.64	.01	1.64	
GS 34	60.81	31.79	1.13	.03	.88	.21	4.16	.01	.89	
GS 35	57.22	32.34	2.35	.03	1.22	.22	4.24	.01	2.41	
GS 30/31	60.28	30.79	1.35	.05	1.06	.23	4.66	.01	1.55	
GS 32/33	62.33	29.27	1.33	.05	1.00	.24	4.47	.01	1.36	
GS 32/33 (bleached)	62.16	2.87	1.23	.07	.92	.26	3.96	.01	1.23	

APPENDIX 7.0

MAIN CREEK MAGNESITE PROSPECT

A.7.1. Talc Samples, Number, Description and Analyses.

TALC SAMPLES

905125

SAMPLE NUMBER	DESCRIPTION
87/0389	yellow, white and brown stained talc with prominent foliation, 2.8m thickness, in fault zone. Flanking beds with sand, talc schist and grey talc not sampled. This body is of interest since it is relatively thick and may persist along the fault.
87/0390	grey talc schist, from approx. 6m wide outcrop of marker 9, near MC 4 percussion hole.
87/0391	white talc from clasts in earth matrix breccia, near MC 9 percussion hole and possibly from marker 4y.
87/0392	soft, pinkish brown talc from gravelly track 200m SW of MC 27 DDH, outcrop approx. 5m across.
87/0383	talc schist, MC1; 652' - 657', drill core, marker 4.
87/0384	as above, c. 670'.
87/0385	as above, 685.5' - 688.5', marker 4z.
87/0386	as above, 767' - 769.5', marker 4y.
87/0387	surface outcrop marker 4? talc schist portion.
87/0388	same area, marker 4z.
87/0401	soft talc with some clay contamination, marker 3.
87/0402	2m surface section from tilted block of marker 2z.
87/0403	grab sample marker 3, at hump.
87/0404	marker 5, zig zag track; rather hard and may have admixture of unwanted minerals.
87/0405	chloritic greenschist; marker 2: could this me talcose also?
87/0406	leached amphibolite; marker 2: most unlikely to contain talc.

TALC SAMPLES

905126

SAMPLE NUMBER	ANALYTICAL RESULTS									
	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	MnO	TiO ₂	L.O.I.
87/0383	36.8	16.3	4.78	3.34	25.1	.09	.31	.02	1.90	11.33
87/0384	38.6	16.1	5.79	2.01	25.0	.09	.13	.02	1.50	10.72
87/0385	29.3	14.2	4.01	6.00	26.7	.09	<.01	.04	1.70	17.95
87/0386	40.9	13.9	8.20	3.21	20.5	.48	.01	.04	1.80	10.88
87/0387	43.1	17.9	10.00	.04	17.4	.23	.12	.09	1.20	9.90
87/0388	43.8	17.5	9.90	.05	17.6	.47	.33	.09	1.20	9.02
87/0401	61.6	7.9	.76	.04	22.4	.12	<.01	<.01	.84	6.31
87/0402	42.0	16.8	8.80	.04	21.2	.13	<.01	.02	1.80	9.41
87/0403	43.5	16.7	6.80	.05	22.0	.09	<.01	<.01	1.80	8.98
87/0404	45.1	14.6	11.20	.11	18.9	.08	<.01	.02	2.00	7.94
87/0405	49.6	14.1	14.10	.05	12.9	.28	.01	.17	2.10	6.60
87/0406	42.3	20.2	16.80	1.67	7.4	.51	<.01	.17	1.50	9.37

APPENDIX 8.0

MAIN CREEK MAGNESITE PROSPECT

A.8.1. Ochre Samples, Number, Description and Analyses.

FIELD DESCRIPTION OF OCHRE SAMPLES

SAMPLE NUMBER	DESCRIPTION
87/0393	brown porous ochre, very low density; from Main Creek track south of Bowry Creek, 1m wide exposure.
87/0394	purple-brown ochre from cuttings piles of MC 3 and MC 4 percussion drillholes.
87/0395	brown to purple-brown ochre from cuttings pile of MC 12.
87/0396	chocolate brown ochre with some soil giving a mottled effect; from Main Creek track north of Bowry Creek.

APPENDIX 9.0

GRAPHITES, SAVAGE RIVER AREA

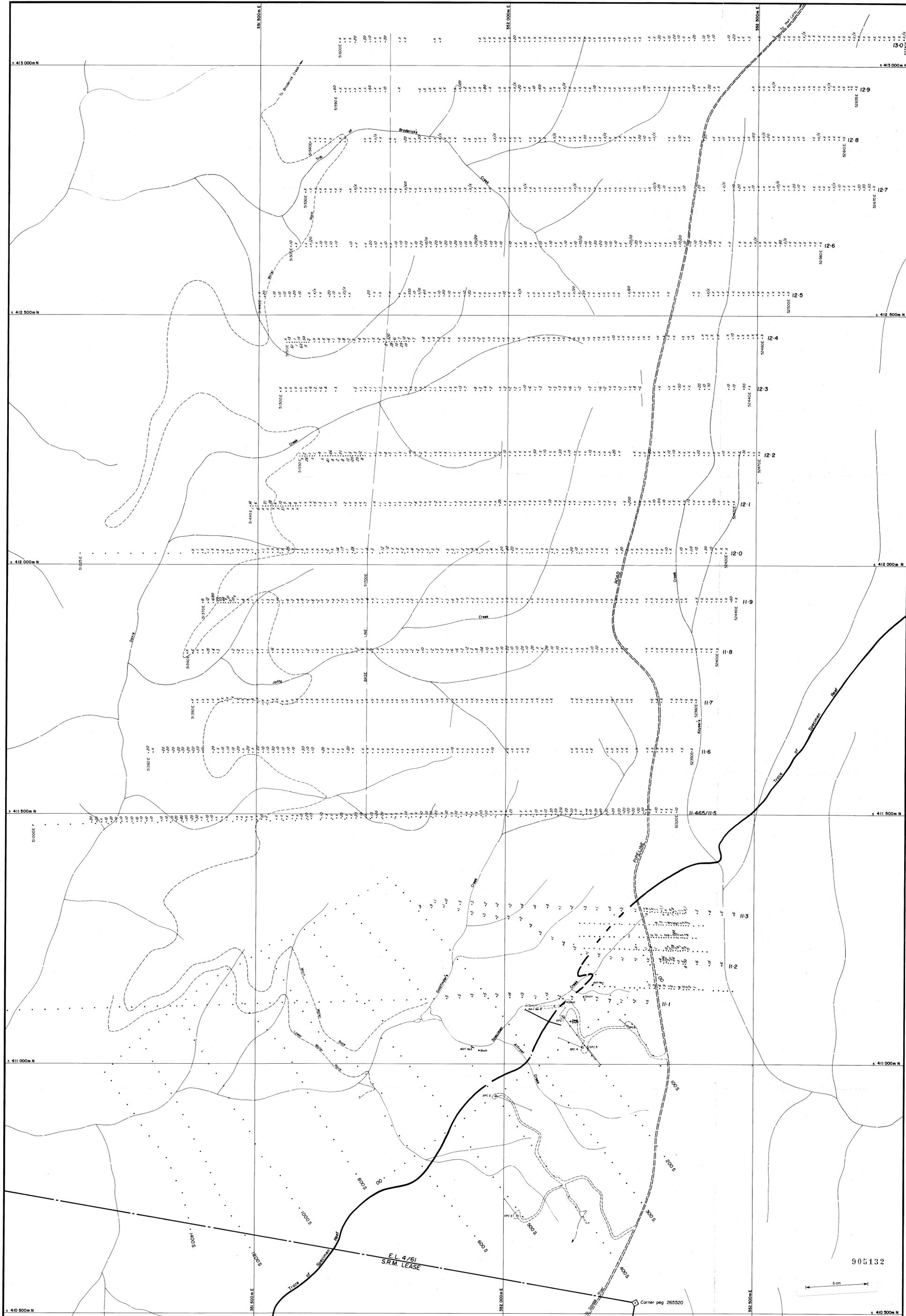
A.9.1. Graphite Samples, Numbers, Descriptions and Analyses.

GRAPHITE SCHIST SAMPLES

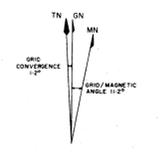
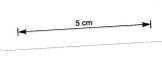
SAMPLE NUMBER	DESCRIPTION	ANALYTICAL RESULT C
87/0397	graphite schist, Corinna Road: several metres thickness.	1.71
87/0398	graphite schist, as above, 2m, one of 3 similar beds.	1.77
87/0399	graphite schist, as above, minor exposure.	3.02
87/400	graphite schist, Corinna Road; 1.5m bounded by sandstone.	4.53

E. TABLE OF FIGURES

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1.3. DAVIS CREEK, arsenic in soils.
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2.2. ROCKY RIVER, water race and water race spur location and results.
2.3. ROCKY RIVER, detailed costean sampling.
- Fig. 3.0. DOZER TRACK, rock chip and H.M. locations.
3.1. DOZER TRACK, rock chip sample location.
- Fig. 4.0. BROWN PLAIN CLAY, road cutting cross-section.
4.1. BROWN PLAIN CLAY, GS and CR series sample location.
- Fig. 5.0. TALCS, OCHRES & GRAPHITE, sample location.
- Fig. 6.0. Regional Geology E.L. 4/61.

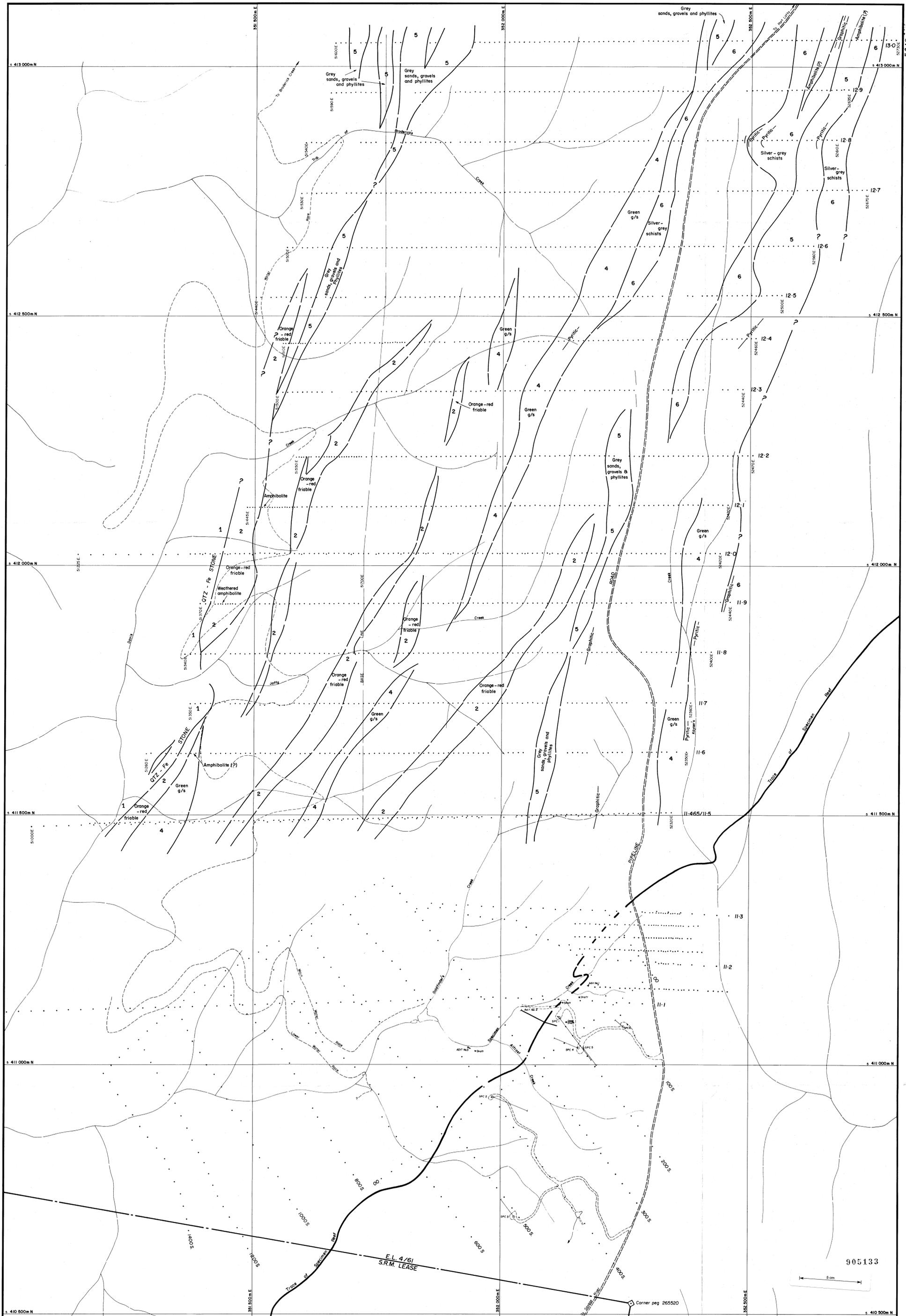


905132



S SAVAGE RESOURCES LIMITED							
E.L. 4/61 - SAVAGE RIVER							
SPECIMEN REEF - DAVIS CREEK							
GOLD (in ppb)							
SCALE 1:2500	FIG. 1-1						
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">DRAWN BY: H.S.</td> <td style="width: 50%;">DRAFTSMAN: T.G.D.S.</td> </tr> <tr> <td>DATE: Jan '87</td> <td>REVISIONS:</td> </tr> <tr> <td>FILE NO.:</td> <td></td> </tr> </table>		DRAWN BY: H.S.	DRAFTSMAN: T.G.D.S.	DATE: Jan '87	REVISIONS:	FILE NO.:	
DRAWN BY: H.S.	DRAFTSMAN: T.G.D.S.						
DATE: Jan '87	REVISIONS:						
FILE NO.:							

87-2683



GEOLOGY OF THE SOILS		
PRE CAMBRIAN "WHITE GROUP"	6 SILVER-GREY SCHISTOSE	FABRIC SCHISTOSE
BOWSY FORMATION PDB4	5 PALE GREY-FAWN	NON STRUCTURED
	4 BASICALLY GREEN	SCHISTOSE
	3 COMBINATIONS OF BROWN- GREEN-YELLOW-ORANGE	OPEN SCHISTOSE
	2 RUSKY-ORANGE-RED	CRUMBLY
	1 PALE GREY TO RED	NON STRUCTURED
		ROCK RELATION SILVER-GREY SCHIST SAND, GRAVEL & PHYLLITE GREENSCHIST VARIOUS IRON ASSOCIATION QTZ - IRONSTONE

GRID CONVERGENCE
1.2"

GRID/MAGNETIC
ANGLE 112°

905133

5 cm

SCALE 1:2500

0 25 50 75 100 METRES

SAVAGE RESOURCES LIMITED

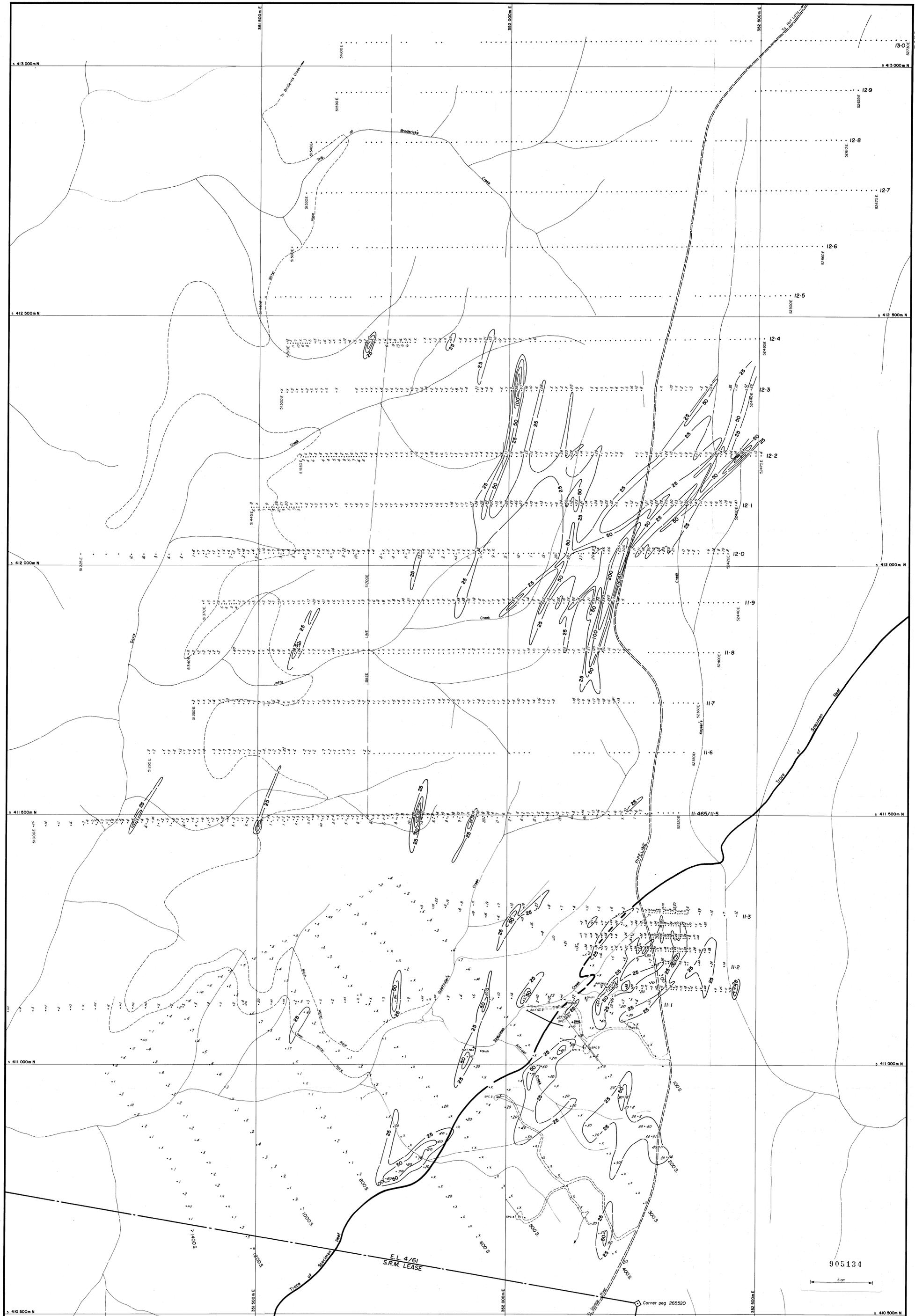
E.L. 4/61 - SAVAGE RIVER

SPECIMEN REEF - DAVIS CREEK

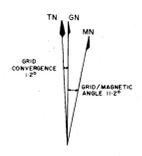
B/C SOIL INTERPRETATION

DRAWN BY: R.A.
DRAFTSMAN: T.G.D.S.
DATE: Jan '87
REVISIONS:
FILE NO.
FIG. 1/O

87-2683



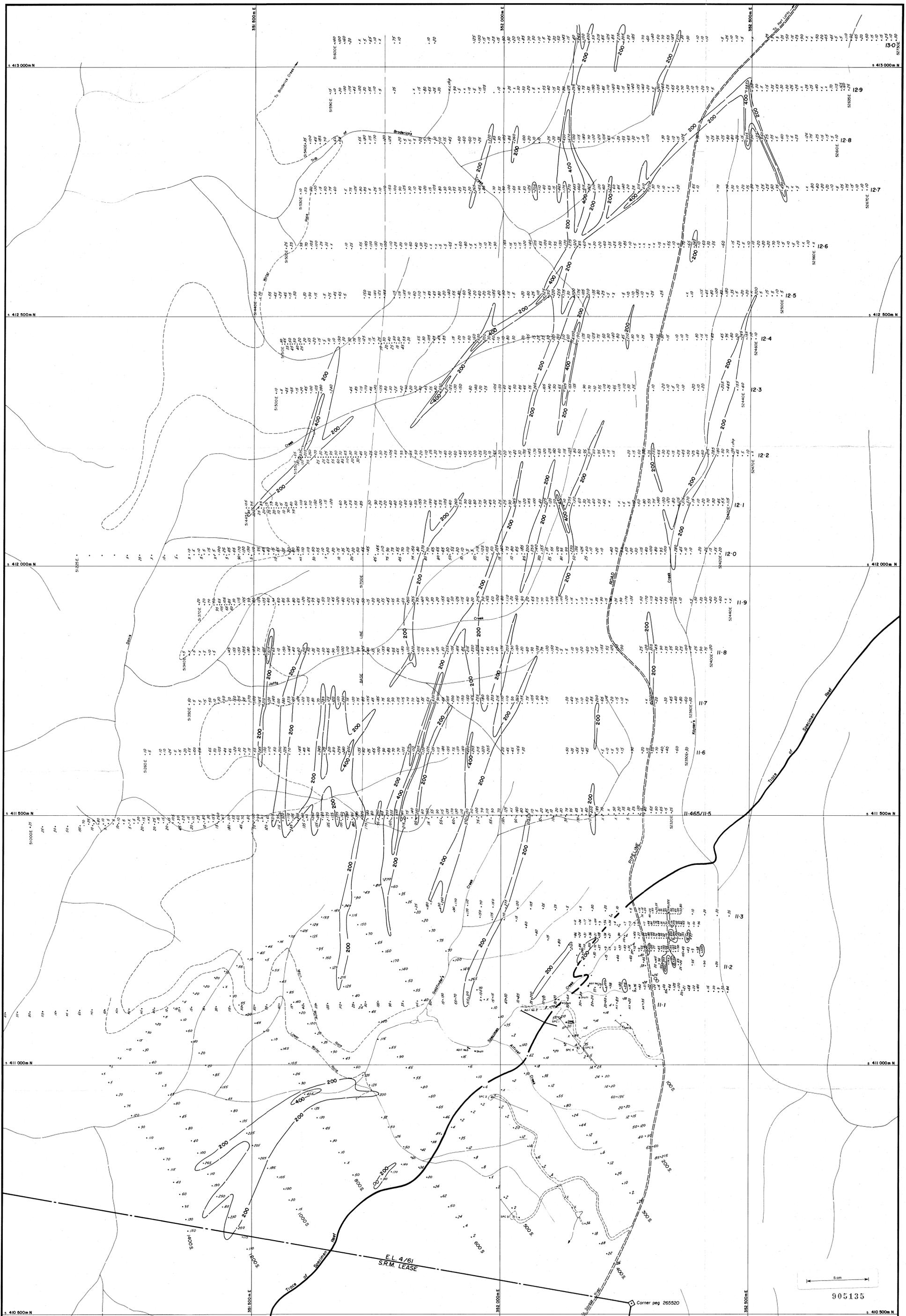
905134



SAVAGE RESOURCES LIMITED	
E.L. 4/61 - SAVAGE RIVER SPECIMEN REEF - DAVIS CREEK ARSENIC (in ppm)	
SCALE 1:2500 	DRAWN BY: H.S. DRAFTSMAN: T.G.D.S. DATE: Jan '87 REVISIONS: FILE NO. FIG. 1-3

87-2683

5652



905135

SAVAGE RESOURCES LIMITED

E.L. 4/61 - SAVAGE RIVER

SPECIMEN REEF - DAVIS CREEK

COPPER

(in ppm)

DRAWN BY: H.S.

DRAFTSMAN: T.G.D.S.

DATE: 1 Jan. '87

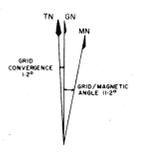
REVISIONS:

FILE NO.:

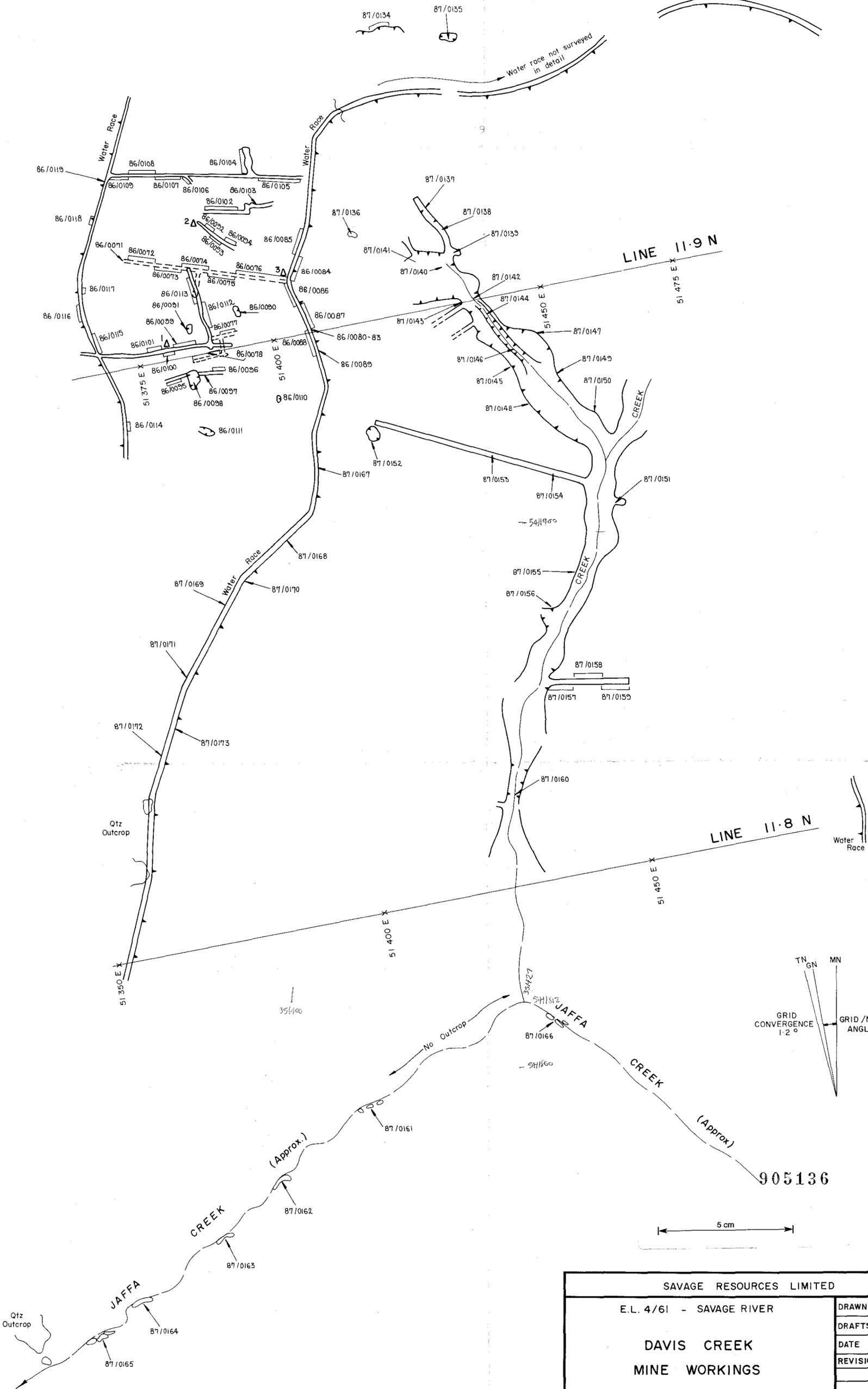
FIG. 1-2

SCALE 1:2500

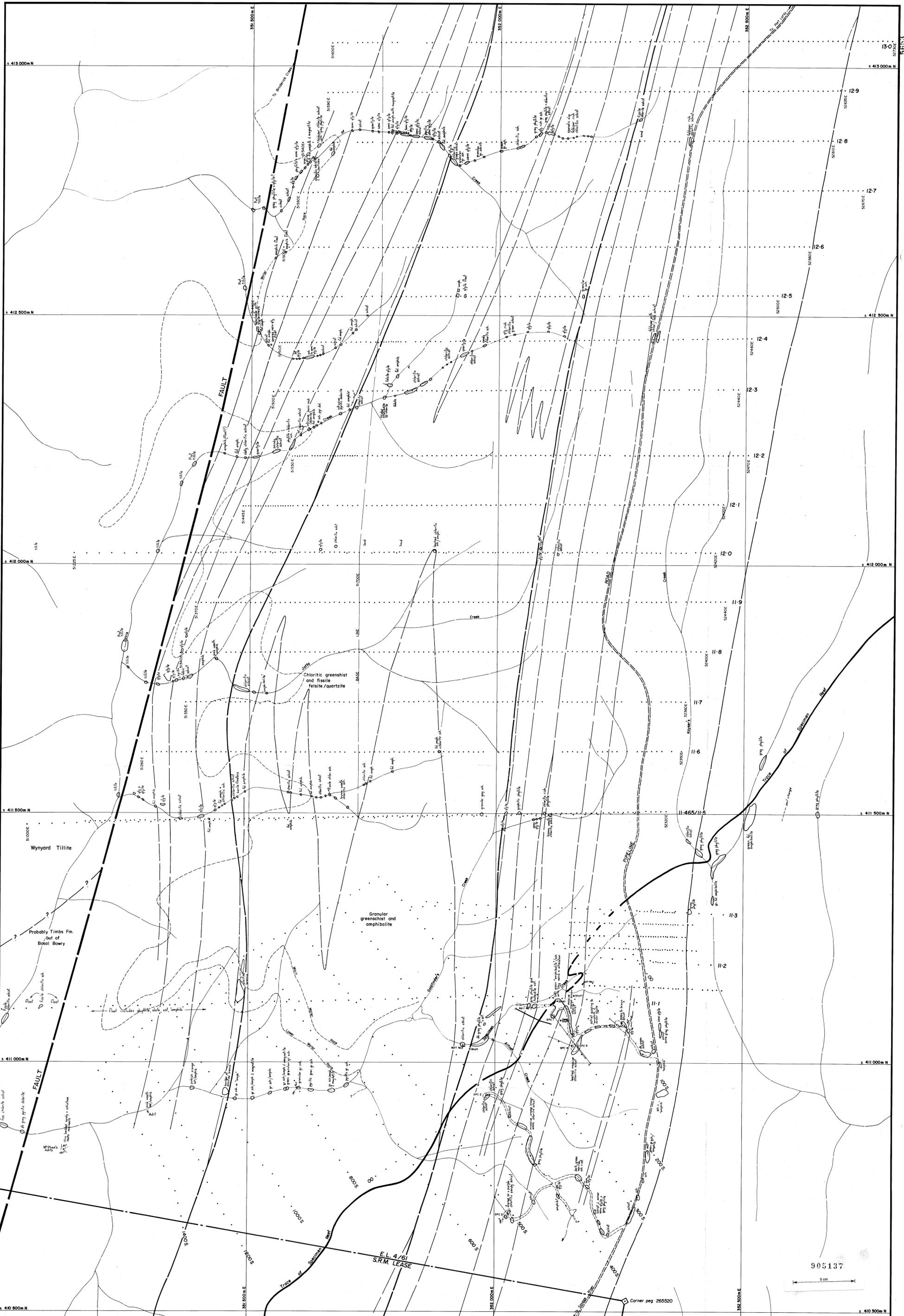
METRES



87-2683

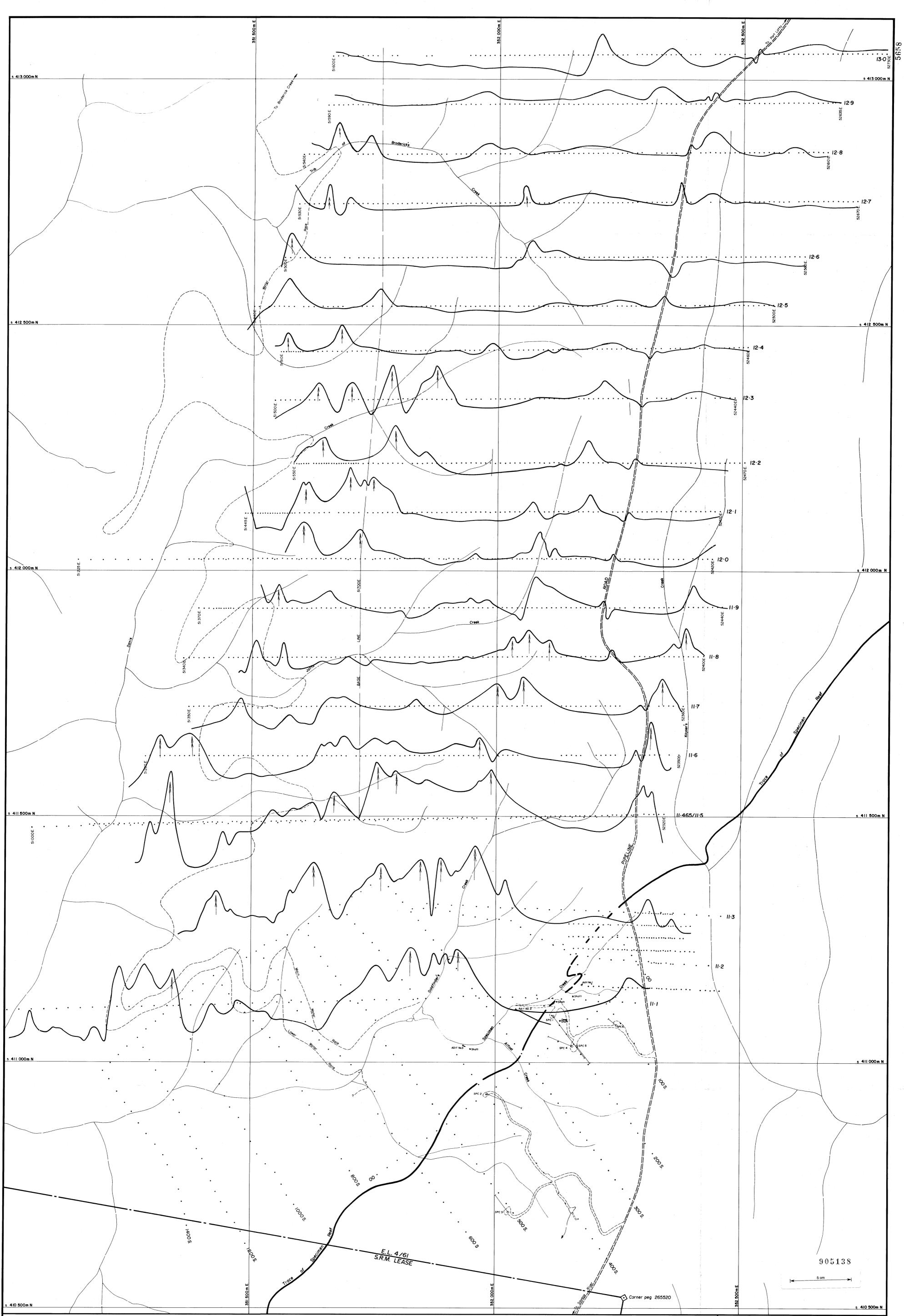


SAVAGE RESOURCES LIMITED	
E.L. 4/61 - SAVAGE RIVER	DRAWN BY: R.A.
DAVIS CREEK MINE WORKINGS	DRAFTSMAN: T.G.D.S.
	DATE: Jan. '87
SAMPLE LOCATION	REVISIONS
	FILE NO.
SCALE 1:500	FIG. 1-5



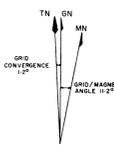
<p>Point of Lower Bowry - Savage River Mine Sequence above Western Schist</p> <p>Carbonate Horizon</p> <p>Middle Bowry includes Eastern Schist of S.R.M. Pits</p> <p>Upper Bowry</p> <p>Oonah Formation</p>	<p style="text-align: right;">905137</p> <p style="text-align: right;">5 cm</p> <p style="text-align: center;">E.L. 4/61 S.R.M. LEASE</p> <p style="text-align: center;">Corner peg 265520</p>	<p style="text-align: center;">S SAVAGE RESOURCES LIMITED</p> <p style="text-align: center;">E.L. 4/61 - SAVAGE RIVER</p> <p style="text-align: center;">SPECIMEN REEF - DAVIS CREEK</p> <p style="text-align: center;">SURFACE OUTCROP AND INTERPRETATION GEOLOGY</p> <p style="text-align: center;">DATA : H.S., L.V. & R.A. INTERP : H.S.</p> <p style="text-align: center;">SCALE 1:2500</p> <p style="text-align: center;">METRES</p> <p style="text-align: center;">DRAWN BY : H.S. DRAFTSMAN : T.B.D.S. DATE : Jan '87 REVISIONS : FILE NO. FIG. 1-4</p>
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87-2683



LEGEND:

- Magnetic profile with peak arbitrarily reduced
- ↑ Major peak



SAVAGE RESOURCES LIMITED

E.L. 4/61 - SAVAGE RIVER
SPECIMEN REEF - DAVIS CREEK
MODIFIED MAGNETIC STACKED PROFILES

SCALE 1:2500

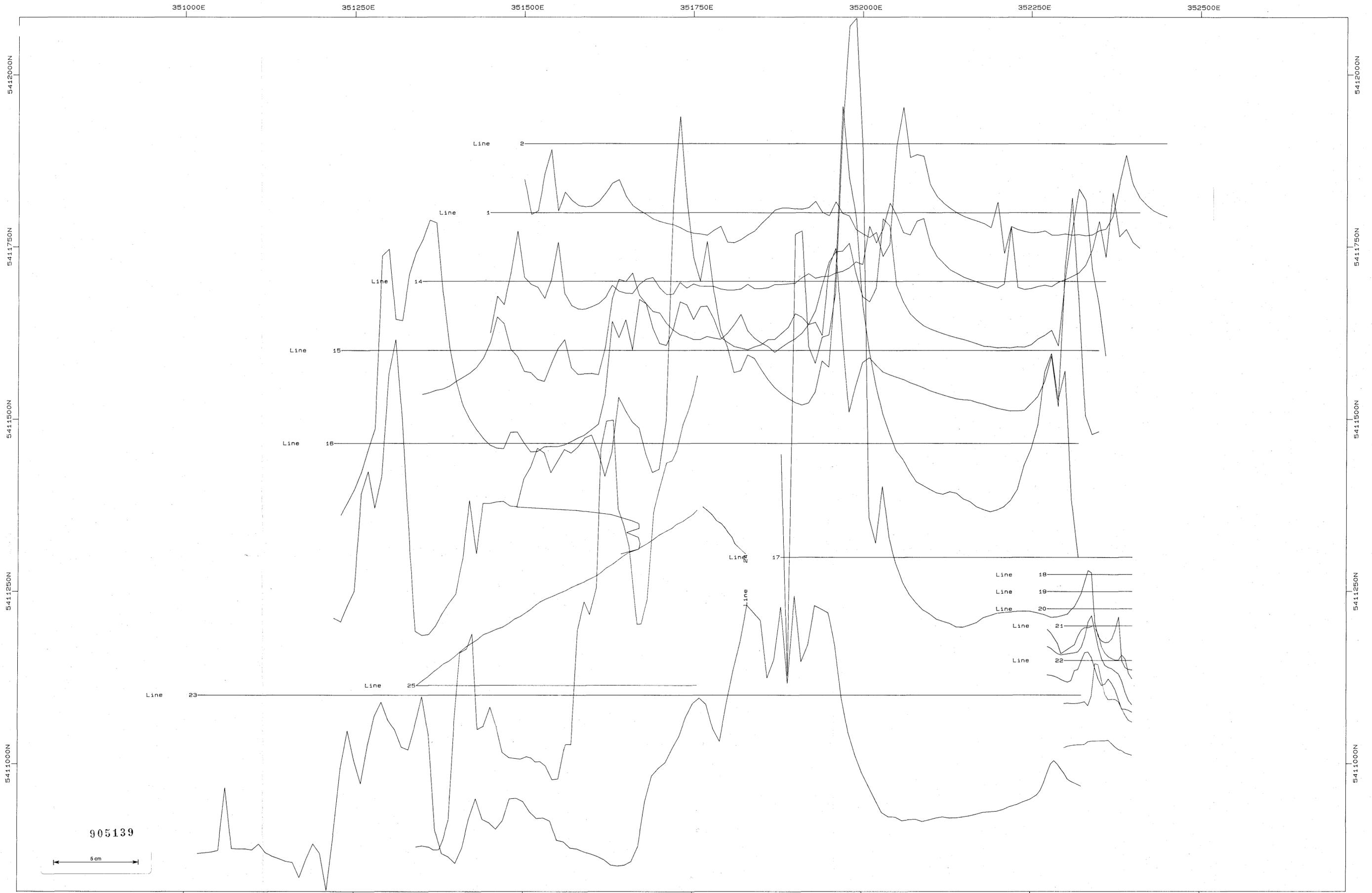
905138

5 cm

Corner peg 265920

DRAWN BY	H.S.
DRAFTSMAN	T.G.D.S.
DATE	June '87
REVISIONS	
FILE NO.	
FIG.	18

87-2683



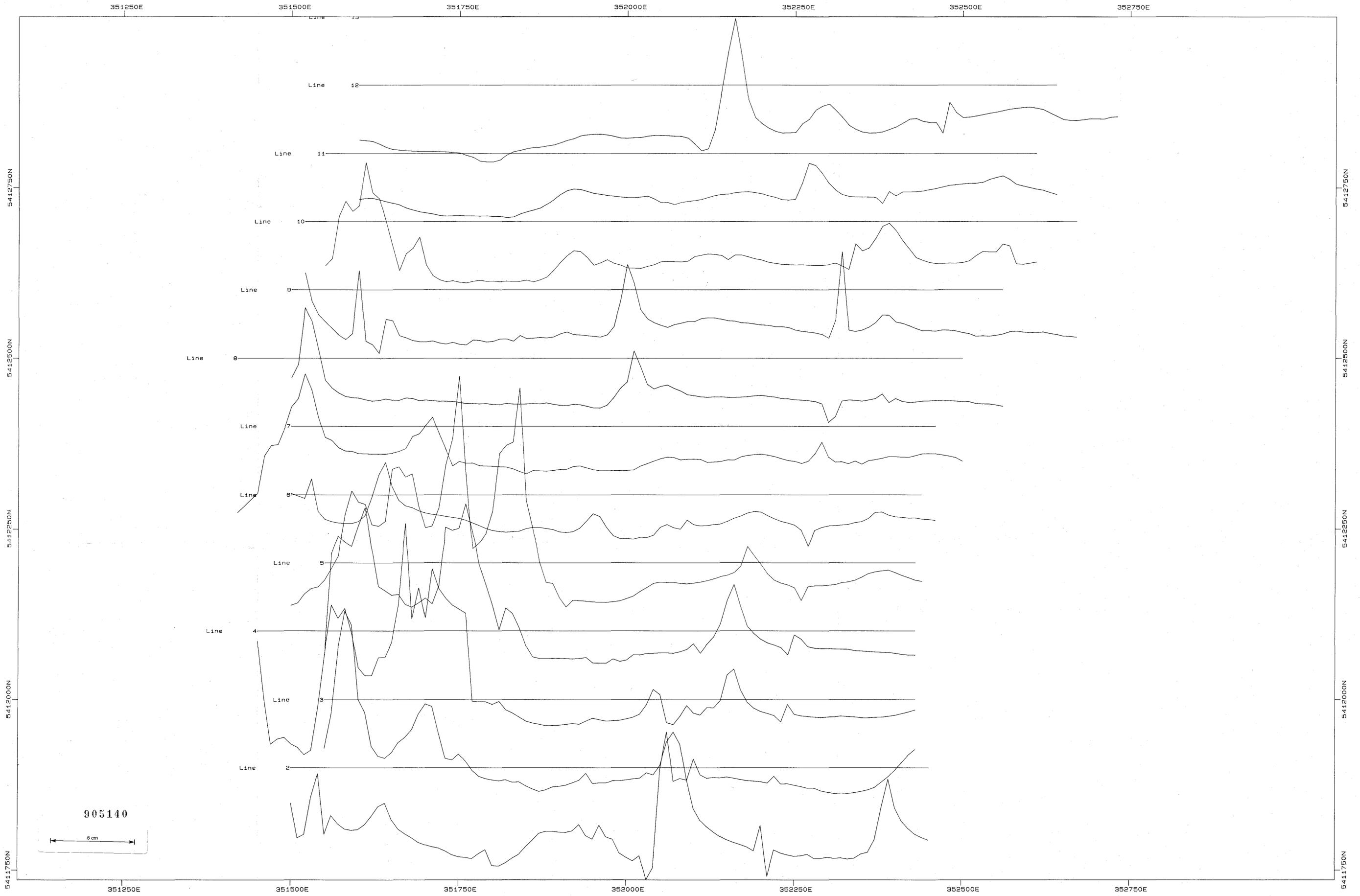
SAVAGE RESOURCES LTD.
 WEST COAST, TASMANIA
 DAVIS CHEEK (JOB NO.631D)
 Map scale is 1: 2500.

MAGNETICS STACK PROFILE

Magnetics scale : 1cm= 200. nT Magnetics base value is 64000. nT
 Plotted on 2:53 PM FRI., 3 JULY, 1987 by Solo Geophysics
 Surveyed by Savage Resources Ltd. From 200585 to 230187

64400
 64200
 Base= 64000 nT
 63800
 63600

25 50 100
 Scale : 1cm= 25m



905140

5 cm

SAVAGE RESOURCES LTD.
 WEST COAST, TASMANIA
 DAVIS CREEK (JOB NO.691D)
 Map scale is 1: 2500.

MAGNETICS STACK PROFILE

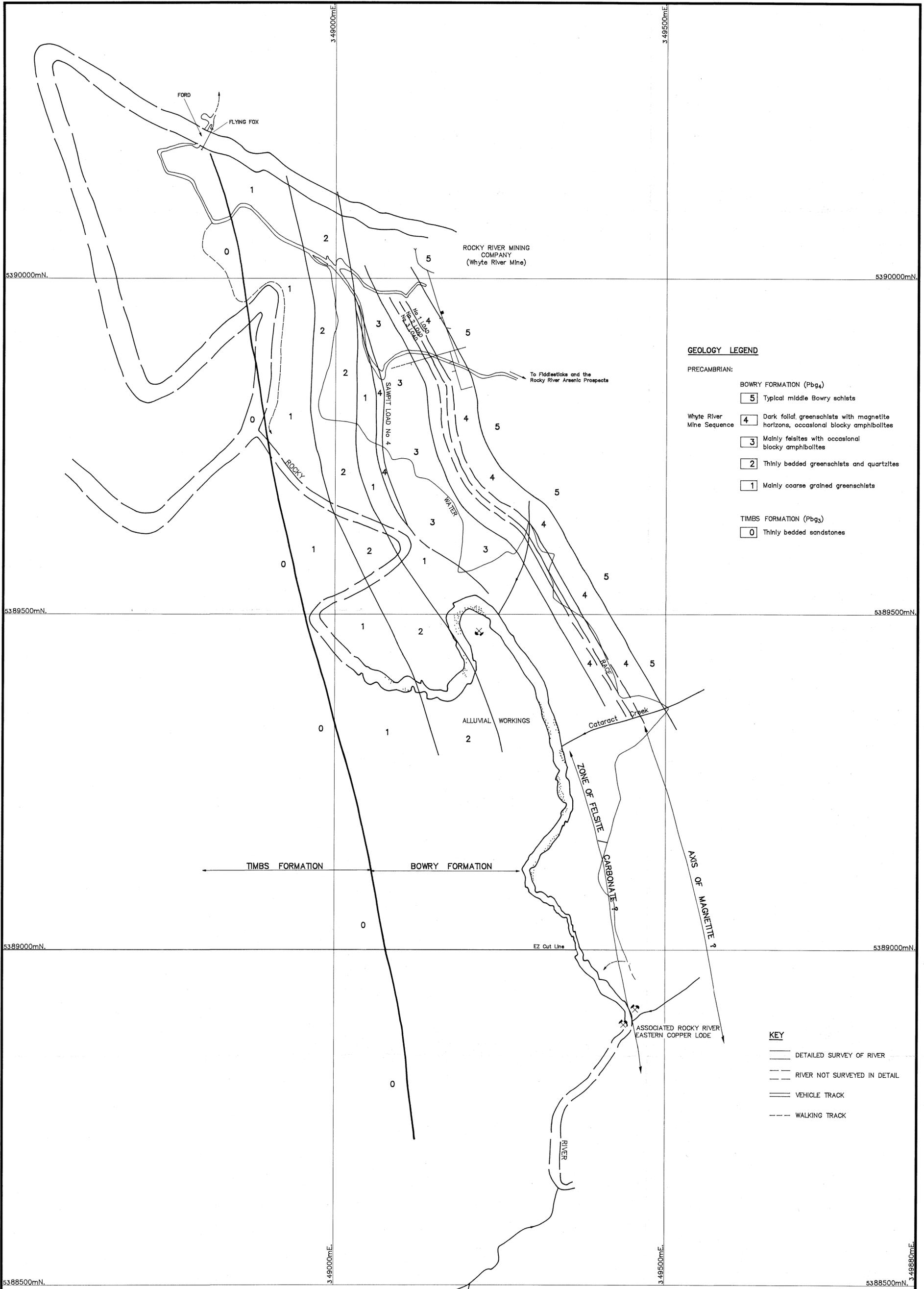
Magnetics scale : 1cm= 200. nT Magnetics base value is 84000. nT
 Plotted on 2:44 PM FRI., 3 JULY, 1987 by Solo Geophysics
 Surveyed by Savage Resources Ltd. From 200586 to 230187

84400
 84200
 Base= 84000 nT
 83800
 83600



Scale : 1cm= 25m

FIG.17 SHEET I **87-2683**



GEOLOGY LEGEND

PRECAMBRIAN:

BOWRY FORMATION (Pbg₄)

5 Typical middle Bowry schists

Whyte River Mine Sequence

4 Dark foliated greenschists with magnetite horizons, occasional blocky amphibolites

3 Mainly felsites with occasional blocky amphibolites

2 Thinly bedded greenschists and quartzites

1 Mainly coarse grained greenschists

TIMBS FORMATION (Pbg₃)

0 Thinly bedded sandstones

KEY

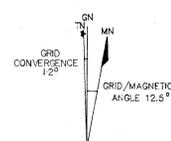
- DETAILED SURVEY OF RIVER
- - - RIVER NOT SURVEYED IN DETAIL
- == VEHICLE TRACK
- - - WALKING TRACK

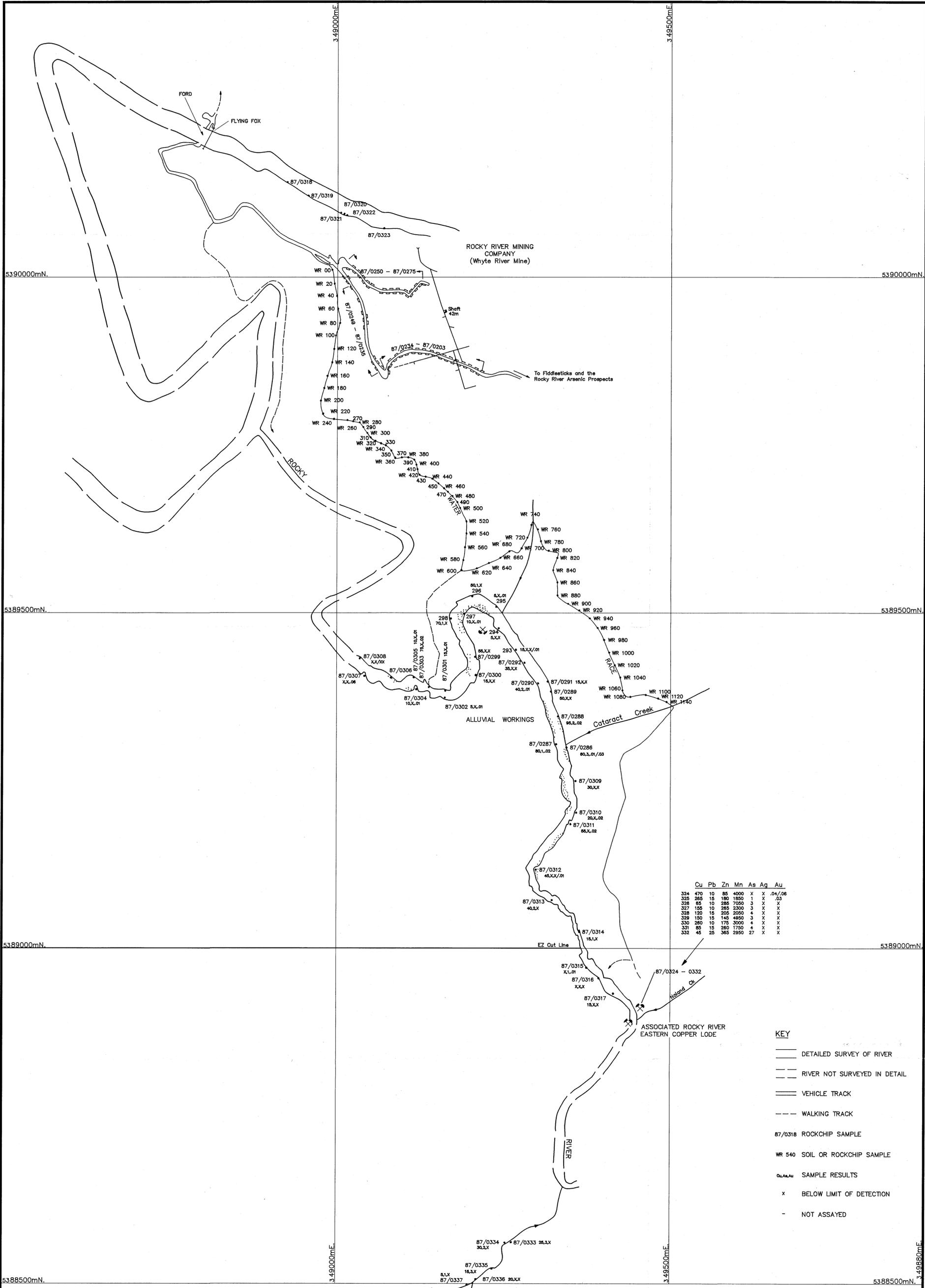
905142

5 cm

87-2683

SAVAGE RESOURCES LIMITED	
SAVAGE RIVER E.L. 4 / 81	DRAWN BY: R.A.
WHYTE-ROCKY RIVER PROSPECT	DRAFTSMAN: T.G.D.S.
	DATE: APRIL 87
GEOLOGY	REVISIONS:
	FILE No.
SCALE 1:2500	FIG. 2.0





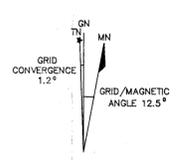
	Cu	Pb	Zn	Mn	As	Ag	Au
324	470	10	85	4000	X	X	.04/.06
325	265	15	180	1850	1	X	.03
326	85	10	285	7050	3	X	X
327	155	10	285	2300	3	X	X
328	120	15	205	2050	4	X	X
329	150	15	145	4950	3	X	X
330	280	10	175	3000	4	X	X
331	85	15	260	1750	4	X	X
332	45	25	365	2950	27	X	X

- KEY**
- DETAILED SURVEY OF RIVER
 - - - RIVER NOT SURVEYED IN DETAIL
 - == VEHICLE TRACK
 - - - WALKING TRACK
 - 87/0318 ROCKCHIP SAMPLE
 - WR 540 SOIL OR ROCKCHIP SAMPLE
 - Cu, Pb, Zn, Mn, As, Ag, Au SAMPLE RESULTS
 - x BELOW LIMIT OF DETECTION
 - NOT ASSAYED

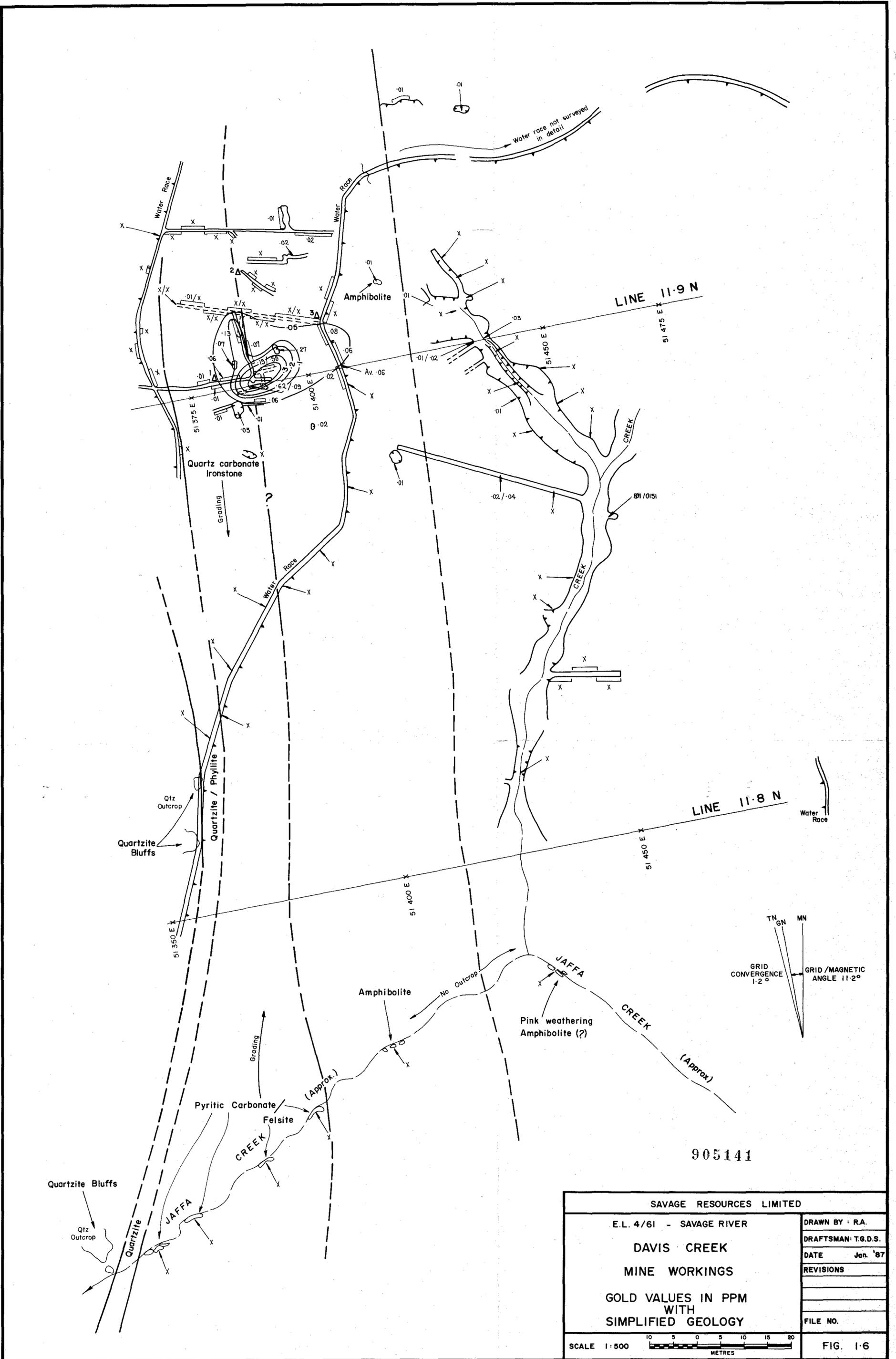
905143



87-2683

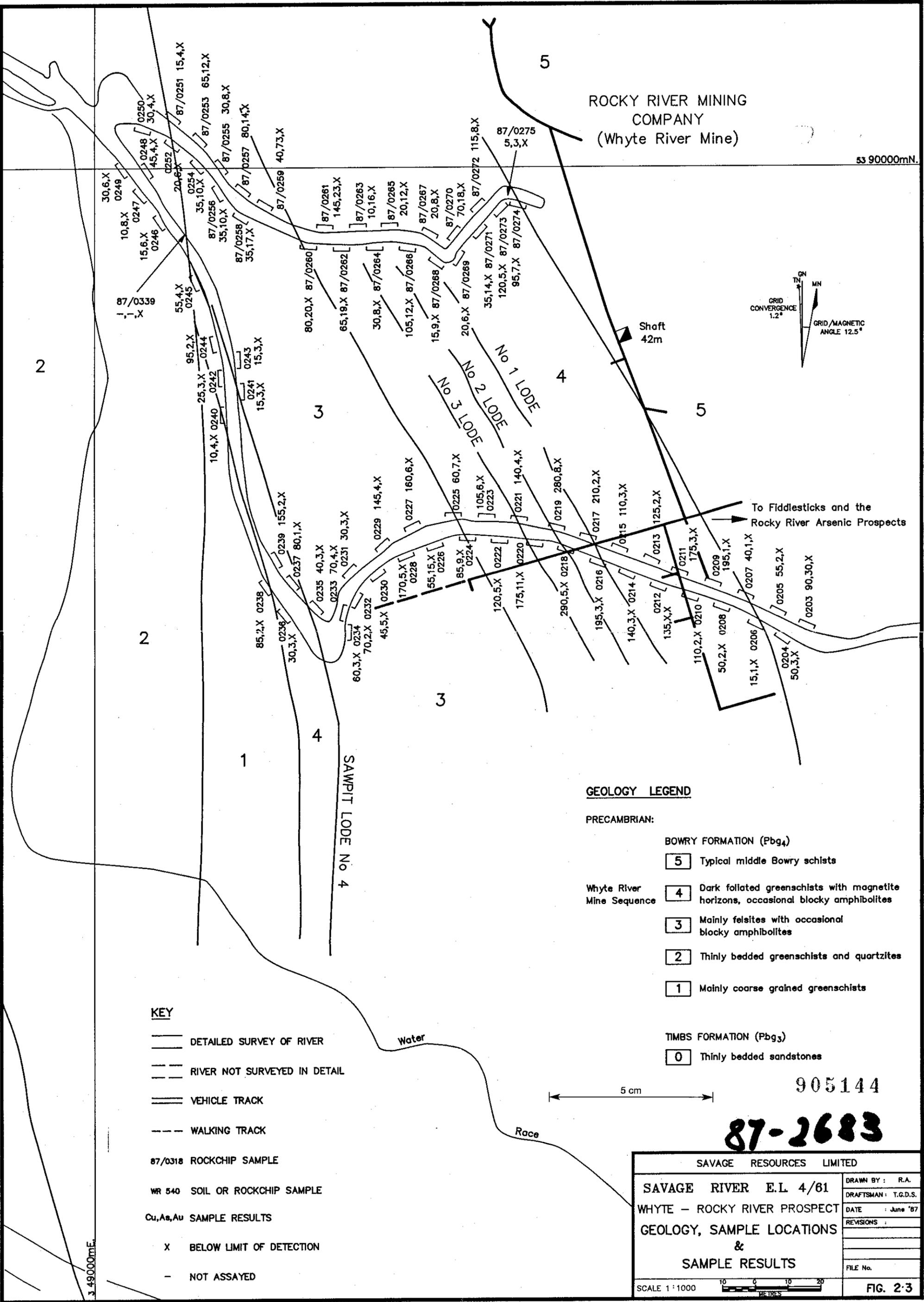


SAVAGE RESOURCES LIMITED	
SAVAGE RIVER E.L. 4 / 81	DRAWN BY: R.A.
WHYTE - ROCKY RIVER PROSPECT	DRAFTSMAN: T.G.D.S.
SAMPLE LOCATIONS & RESULTS	DATE: June '87
	REVISIONS:
	FILE No.:
SCALE 1:2500	FIG. 2-1



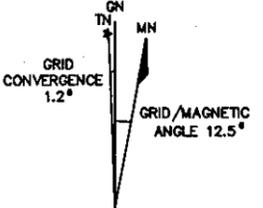
905141

SAVAGE RESOURCES LIMITED	
E.L. 4/61 - SAVAGE RIVER	
DAVIS CREEK	
MINE WORKINGS	
GOLD VALUES IN PPM WITH SIMPLIFIED GEOLOGY	
SCALE 1:500	
DRAWN BY: R.A.	DRAFTSMAN: T.G.D.S.
DATE: Jan. '87	REVISIONS:
FILE NO.	FIG. 1-6



ROCKY RIVER MINING COMPANY
(Whyte River Mine)

53 9000mN.



Shaft 42m

To Fiddlesticks and the Rocky River Arsenic Prospects

GEOLOGY LEGEND

PRECAMBRIAN:

BOWRY FORMATION (Pbg₄)

- 5 Typical middle Bowry schists
- 4 Dark foliated greenschists with magnetite horizons, occasional blocky amphibolites
- 3 Mainly felsites with occasional blocky amphibolites
- 2 Thinly bedded greenschists and quartzites
- 1 Mainly coarse grained greenschists

TIMBS FORMATION (Pbg₃)

- 0 Thinly bedded sandstones

KEY

- DETAILED SURVEY OF RIVER
- - - RIVER NOT SURVEYED IN DETAIL
- == VEHICLE TRACK
- - - WALKING TRACK
- 87/0318 ROCKCHIP SAMPLE
- WR 540 SOIL OR ROCKCHIP SAMPLE
- Cu,As,Au SAMPLE RESULTS
- X BELOW LIMIT OF DETECTION
- NOT ASSAYED

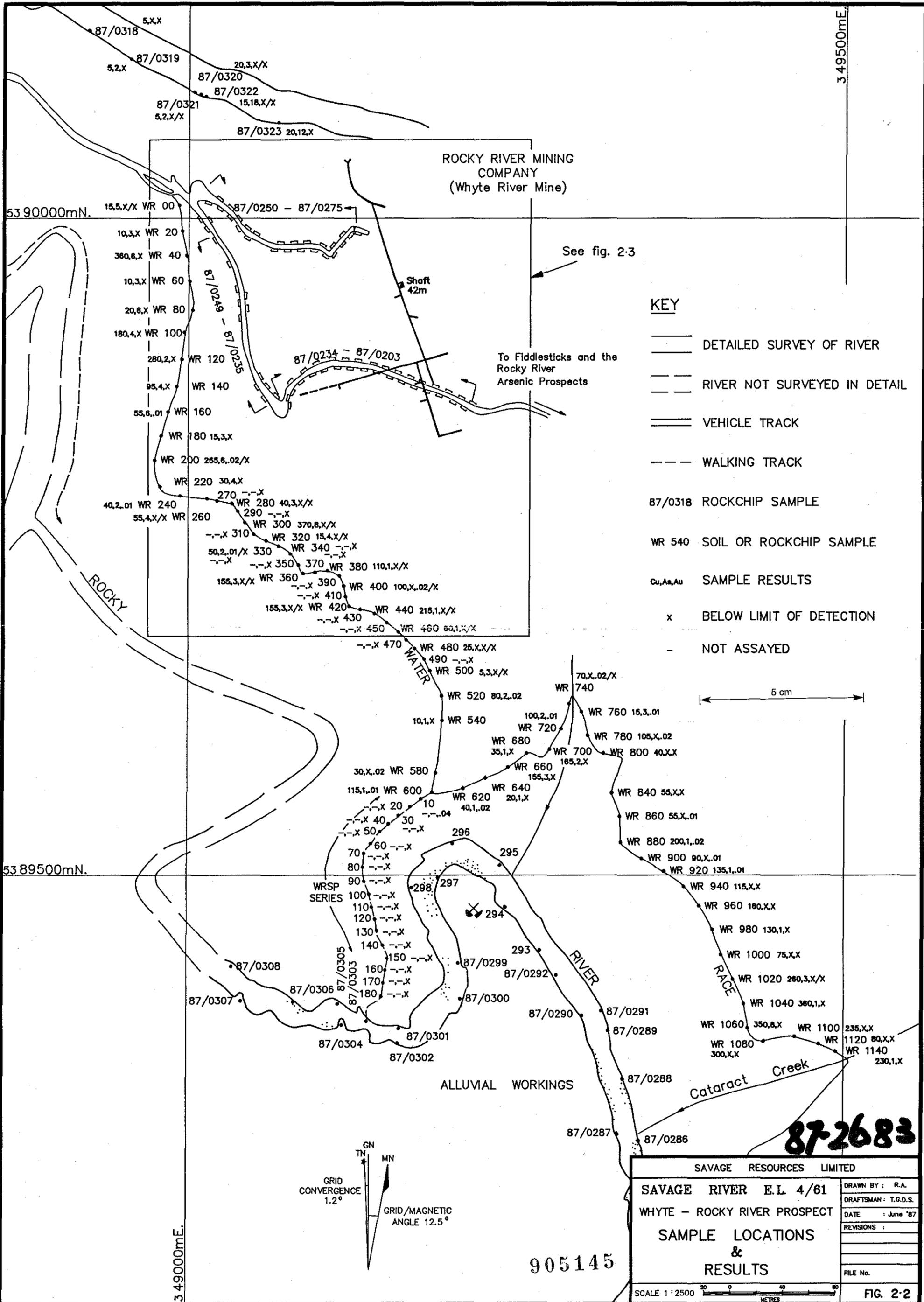
5 cm

905144

87-2683

SAVAGE RESOURCES LIMITED	
SAVAGE RIVER E.L. 4/61	
WHYTE - ROCKY RIVER PROSPECT	
GEOLOGY, SAMPLE LOCATIONS & SAMPLE RESULTS	
DRAWN BY: R.A.	DATE: June '87
DRAFTSMAN: T.G.D.S.	REVISIONS:
FILE No.	
SCALE 1:1000	
FIG. 2-3	

3 49000mE.



ROCKY RIVER MINING COMPANY
(Whyte River Mine)

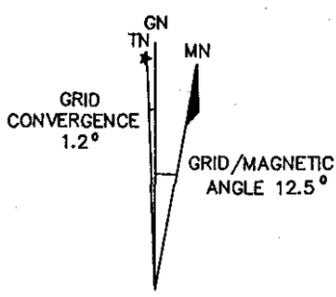
See fig. 2:3

To Fiddlesticks and the Rocky River
Arsenic Prospects

KEY

- DETAILED SURVEY OF RIVER
- RIVER NOT SURVEYED IN DETAIL
- VEHICLE TRACK
- WALKING TRACK
- 87/0318 ROCKCHIP SAMPLE
- WR 540 SOIL OR ROCKCHIP SAMPLE
- Cu, As, Au SAMPLE RESULTS
- x BELOW LIMIT OF DETECTION
- NOT ASSAYED

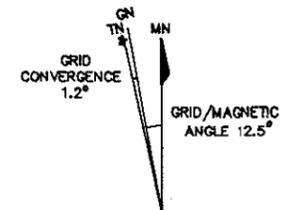
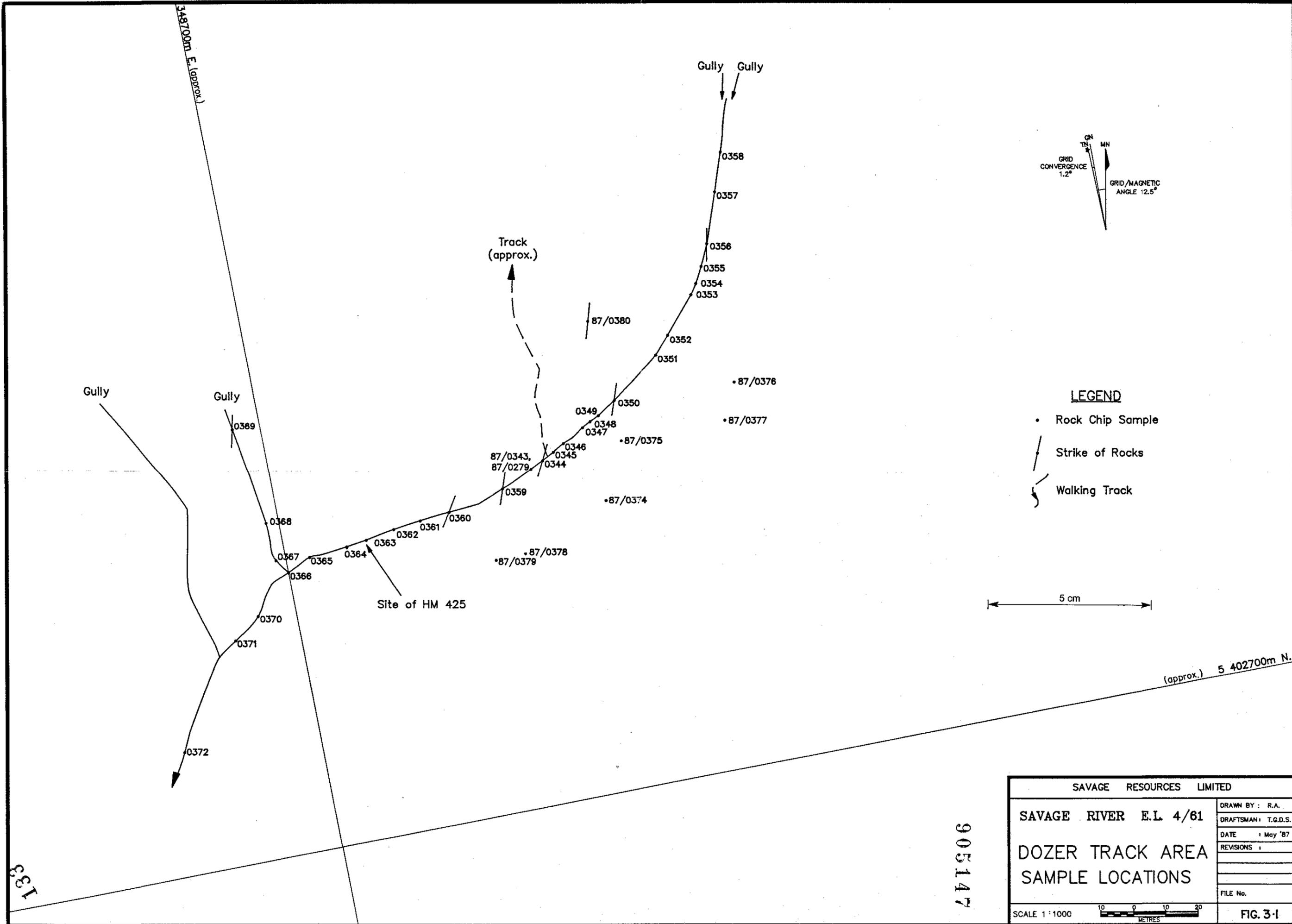
5 cm



87-2683

SAVAGE RESOURCES LIMITED	
SAVAGE RIVER E.L. 4/61	
WHYTE - ROCKY RIVER PROSPECT	
SAMPLE LOCATIONS & RESULTS	
DRAWN BY: R.A.	DATE: June '87
DRAFTSMAN: T.G.D.S.	
REVISIONS:	
FILE No.	
SCALE 1:2500	
FIG. 2:2	

905145



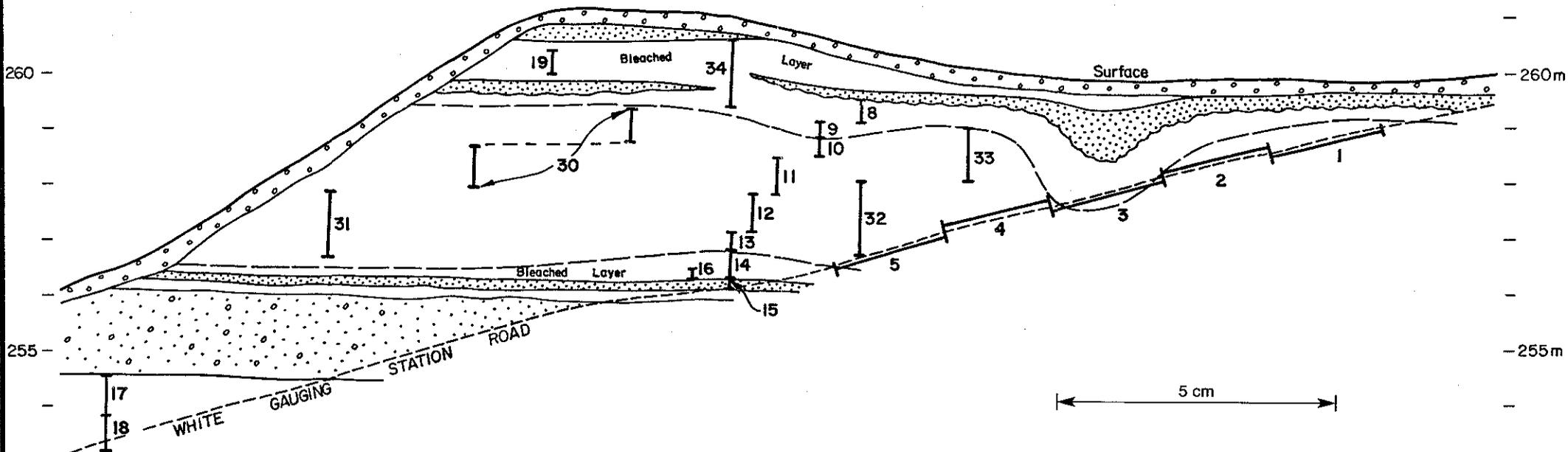
- LEGEND**
- Rock Chip Sample
 - Strike of Rocks
 - - - Walking Track

5 cm

SAVAGE RESOURCES LIMITED	
SAVAGE RIVER E.L. 4/61	DRAWN BY : R.A.
DOZER TRACK AREA SAMPLE LOCATIONS	DRAFTSMAN : T.G.D.S.
	DATE : May '87
	REVISIONS :
	FILE No.
SCALE 1 : 1000	
	FIG. 3-1

905147

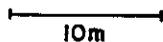
87-2683



LEGEND

-  Clay
-  Sand
-  Gravel
-  Shist

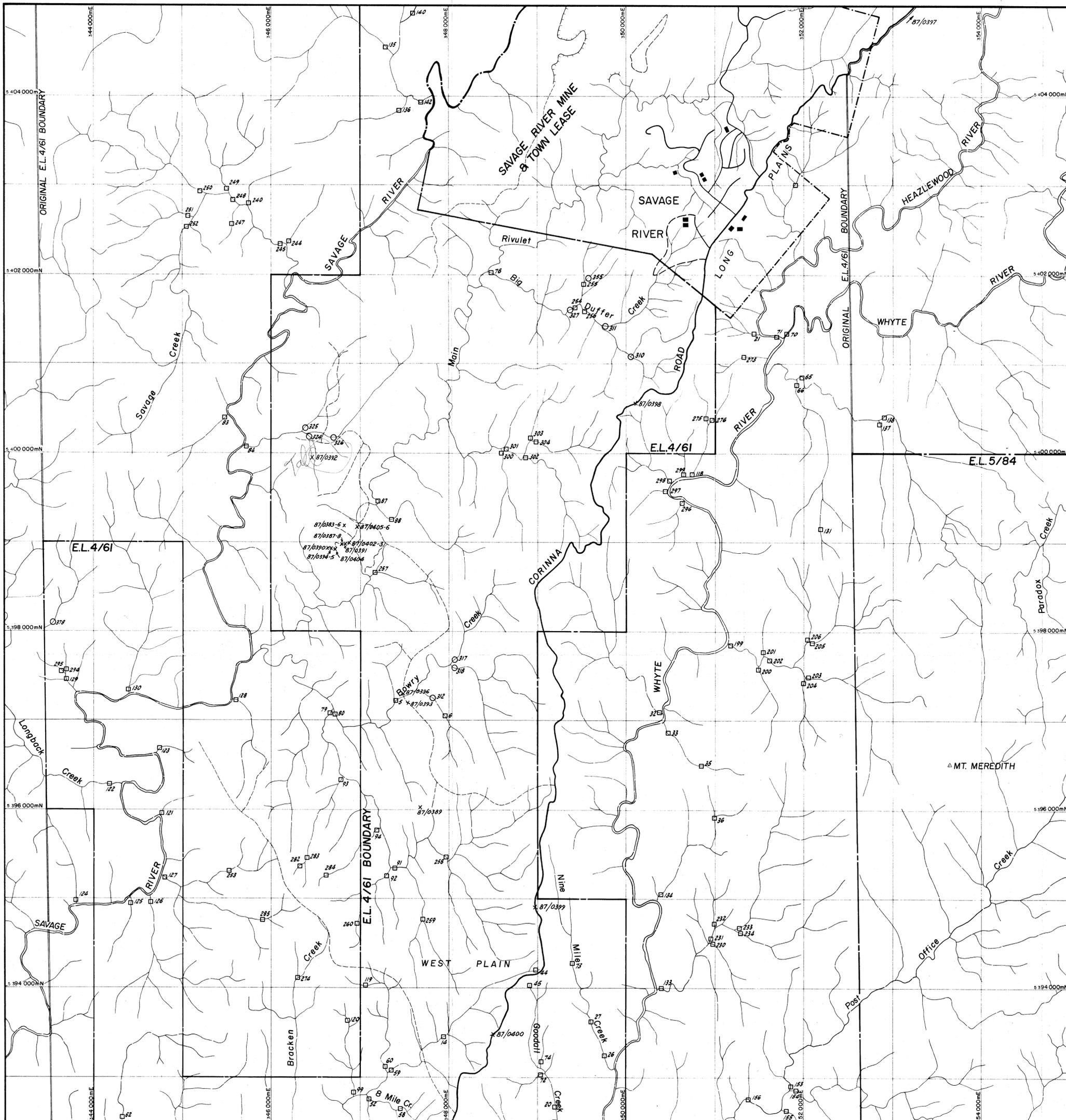
SCALE: $\frac{V}{H} = \frac{1}{5}$



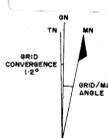
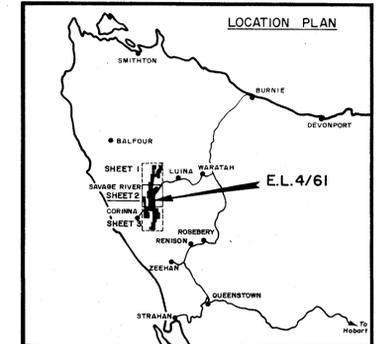
905148

87-2683

SAVAGE RESOURCES LIMITED	
SAVAGE RIVER - E.L. 4/61	DRAWN BY : H.S.
BROWN PLAINS CLAY	DRAFTSMAN: T.G.D.S.
CLAY EXPOSURE	DATE : July '87
SAMPLE LOCATIONS	REVISIONS :
	FILE NO.
"SCALE AS SHOWN"	FIG. 4-0



LEGEND
 HM Series Sampling
 ○ 1984-85 program
 □ Previous
 * 87/0397 Industrial mineral samples to June '87



905150

NOTE: Roads, Rivers and Creeks reduced from 1:15840 contour plans and AMG grid superimposed using main streams and roads from 1:50000 base sheets.

INDUSTRIAL AND MINING INVESTIGATIONS PTY. LIMITED

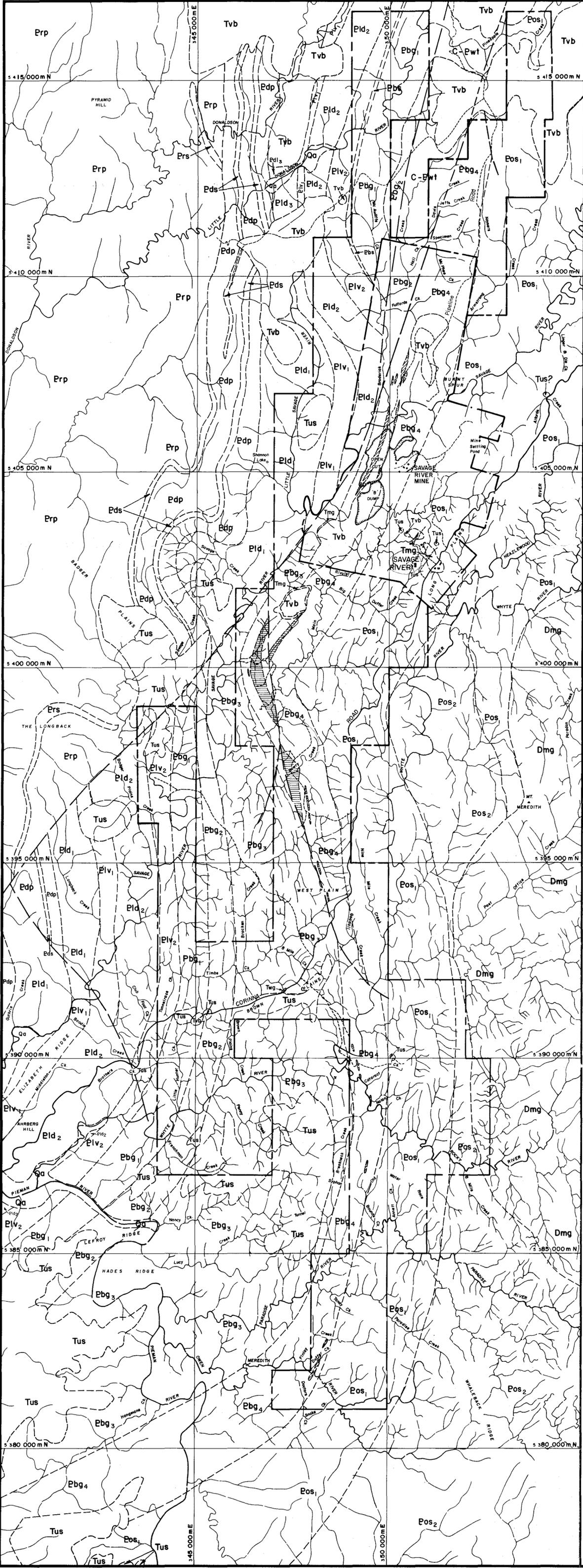
EL. 4/61 - SAVAGE RIVER SHEET 2
STREAM SEDIMENT SAMPLE LOCATION

DRAWN BY : R.A.
 DRAFTSMAN : T.G.D.S.
 DATE : July '87
 REVISIONS :
 FILE NO :

SCALE 1:20000



FIG. 5-O



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:

"WHITE 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

"BOHRY FORMATION"

Pbg₄ Greenschist, amphibolite and sandstone. Magnetite (indicated by horizontal bars). Magnetite (indicated by diagonal bars).

"TIMBS FORMATION"

Grey and green basal mudstone, liable sandstone, phyllite, greenschist, amphibolite, turbidite sandstone, minor carbonates and magnetite near top. Divisions indicated: -

Pbg₃ Greenschist, turbidite sandstone, amphibolite and minor carbonate. thinbedded sandstone at top.

Pbg₂ Quartz rich greenschist.

Pbg₁ Greenschist, grey and green phyllite and amphibolite.

Pbs Green and grey mudstone and minor turbidite sandstone.

"LONGBACK SUBGROUP"

Slate, dolomite, fragmental and massive volcanics. Divisions indicated: -

Plv₂ Tunnaroe Volcanics; mudstone, phyllite, green tuff with flattened pumice clasts, amphibolite and volcanic breccia.

Pld₂ Doodie Dolomite and Corinna Slate; dolomite common in the south only. Quartz veins and distinctive laminated texture common in dolomite; minor chert.

Plv₁ Bernafal Volcanics; mudstone-like tuffs, breccia, massive volcanics (ignimbrite?), grey tuff with flattened pumice clasts (in north).

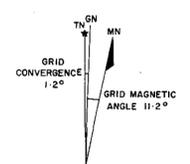
Pld₁ Savage Dolomite; slate expands at the expense of dolomite in the north. Distinctive dolomite textures include stromatolitic and brecciated stromatolitic dolomite and oolitic dolomite; chert.

"MOUNT DONALDSON FORMATION"

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

ROCKY CAPE GROUP

Prp Slate and sandstone; prominent sandstone beds indicated.



905151

S SAVAGE RESOURCES LIMITED	
E.L. 4/61 - SAVAGE RIVER	
GEOLOGY INTERPRETATION	DRAWN BY : H.S. DRAFTSMAN : T.G.D.S. DATE : Aug '86 REVISIONS : H.S. July 1987 FILE NO. FIG. 6-0
SCALE 1:50,000 	

87-2683