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REF. NO: 6774/83				

PROGRESS REPORT ON EL 1/77

ROCKY CAPE

**MICROFILMED**

TASMANIA

(DESTINATION CREEK - INTERVIEW GRANITE

AND CHIMNEY CREEK AREAS)

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Date : 14th June, 1983.

Submitted To : T. W. Dickson

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1. SUMMARY

During the 1982-83 summer period exploration work was conducted over three aeromagnetic anomalies delineated during 1981 by an aeromagnetic survey over the west coast of Tasmania commissioned by the Tasmanian Department of Mines. Reconnaissance grids were laid out over the anomalies and ground magnetic surveys were completed to allow detailed computer modelling. Mapping, rock chip and 'c' horizon soil geochemical samples were taken. Stream sediment samples were also collected.

No major geochemical anomalies were obtained during the season however some grid extensions and follow-up work are recommended for the 1983-84 field season.

2. INTRODUCTION

Exploration Licence EL 1/77 was granted on the 28th March, 1977 over an area of 5200 square kilometres. The licence area has been reduced on three occasions so that the area is now approximately 1400 square kilometres.

Since 1979 Exploration Licence EL 1/77 has been the subject of a Joint Venture agreement between CRA Exploration and Geopeko Limited.

An aeromagnetic survey commissioned during 1981 by the Tasmanian Department of Mines outlined a number of magnetic anomalies within the licence area. Three anomalies were selected for exploration work and ground magnetic traverses to enable computer modelling were completed. Mapping, rock and soil sampling follow-up work was completed where warranted.

Access is very limited and exploration can only be accomplished during the dry summer months.

3. CONCLUSIONS

1. The Chimney Creek anomaly would appear to be due to lithological causes. Minor magnetite occurs within a siltstone unit and the anomaly does not require further work.
2. Destination Creek anomaly is caused by disseminated magnetite within a unit of the Interview Siltstone. However the original geochemical anomaly near the Pieman River is yet to be explained.
3. The Interview Granite anomaly still requires further work. The ground magnetic anomaly has low order geochemical base-metal values associated with it. A zone of anomalous tungsten values was located on the edge of the Interview Granite.
4. Stream sediment sampling away from the magnetic anomalies did not reveal any anomalous values.

4. RECOMMENDATIONS

1. A mapping and sampling traverse be completed up Destination Creek to determine the cause of the anomalous lead stream sediment value.
2. Two lines to be pegged at 360° magnetic over the Interview Granite anomaly. Ground magnetometer traverses to be completed (readings at 10 metre intervals) so that detailed computer modelling of the anomaly can occur.
3. The Interview Granite grid be extended south to close off the magnetic anomaly and the tungsten anomaly associated with the granite.
4. Complete the regional stream sediment sampling programme.

- 5. The Rupert Point anomaly should be sampled to determine the cause of the magnetic anomaly and whether it could be related to tin/tungsten mineralisation.
- 6. Foam Creek and Rocky Creek Panned Concentrate Anomalies should be followed up.

5. GEOLOGY

The area covered in this report is relatively inaccessible and little previous detailed mapping has been completed. The first report of 'any' consequence was Bulletin 10 written by L.K. Ward, 1910 when inspecting the mineral leases in this area.

The Rocky Cape Region is underlain by Adelaidean Group equivalents (1400 - 600Ma). The dominant rocks in the central section of EL 1/77 are the Lagoon River Quartzites and the Interview Siltstones (Bell 1972). The Lagoon River Quartzites are usually well bedded, fairly massive and light grey to white in colour. Mines Department mapping (1:63360 Pieman Heads sheet) record they are well sorted and cross-bedded. These features were not found to be prominent in the field, and are probably masked by secondary silicification. The Interview Siltstone sequence forms a monotonous unit of finely laminated light grey to medium green-grey chloritic siltstones showing many sedimentary features. These include minor bedding displacements, graded bedding, cross-bedding and scour and fill structures. This unit often contains thin quartzite bands and a moderate to strong cleavage (axial plane) has developed. Several sub-units contain disseminated magnetite giving rise to magnetic anomalies.

These two formations have been intruded at about 725 Ma (Solomon 1981) by a dolerite dyke swarm which has been called the Cooee Dolerite from the type section on the north coast. The dolerite dykes are thought to have been intruded at the commencement of the Penguin Orogeny which metamorphosed both the sedimentary units and the dolerite dykes. The dykes are generally narrow elongate bodies some concordant and some discordant to the surrounding sediments (Spry 1957). Spry also noted they were broken up by north-west faults. In thin section descriptions (see petrology reports Appendix Three) the dykes show extensive alteration and have been described as gabbros's which have undergone metamorphism to amphibolites.

During 1980-81 CRA Exploration - Geopeko Ltd. Joint Venture partners commissioned Professor S.W. Carey to complete a detailed airphoto interpretation over EL 1/77. The results of this work have been reported previously (Weir 1982, Dickson 1982).

6. PRIOR EXPLORATION/SURVEYS

6.1 Regional Mapping

The first report known of the Interview area was in 1901 when Waller inspected the Interview River Tungsten workings. In 1911 Ward produced Bulletin 10 in which he described the general geology of the area and reported on all known mineral occurrences and mineral leases from the Balfour Tin Field south to the Interview River. No mineral leases or mineral occurrences in Bulletin 10 occur in the area covered by this report.

In 19<sup>5</sup>7 Spry and Ford described the Geology of the Corinna - Pieman Heads area and demonstrated just how extensive the dolerite dyke swarm is. In 1969 the

Tasmanian Department of Mines produced the 1:63360 Geological Map sheet - Pieman Heads which covers part of the area of this report.

## 6.2 Other Companies

### 6.2.1 Pickands Mather (P.M.I.) EL 12/65

This company conducted a large regional stream sediment survey throughout their licence area. Results were reappraised by Weir, 1982 (refer section 6.3).

### 6.2.2 Consolidated Syndicate EL 48/70 and 49/70

This syndicate comprised ACI Ltd., Consolidated Goldfields Australia Ltd., Mt. Lyell Mining and Railway Co. and Renison Ltd. Within the area of this report, the syndicate completed a stream sediment survey between Granville Harbour and Sandy Cape and followed up aeromagnetic anomalies at Chimney Creek and Rupert Point. They completed some regional mapping and several ground magnetic traverses over the Chimney Creek aeromagnetic anomaly. (Refer section 7.1 for results).

### 6.2.3 Esso Australia EL 2/73

Esso contracted Geoterrex to fly an INPUT survey over the licence area. A helicopter follow-up of anomalies was conducted but most anomalies were 'explained' by the presence of Black Shales. No INPUT anomalies were recorded in the area of this report.

### 6.3 CRA Exploration EL 1/77

During 1977 a panned concentrate survey (minor stream sediment sampling) was completed at a density of 1 sample to 30 to 50 square kilometres. The Interview Granite was thought to have caused a series of anomalous tin values in streams draining the granite.

In August, 1980 P.J. Legge and Associates produced a report on the Lead-Zinc potential of the Younger Precambrian Rocks of North-West Tasmania. From this report the Destination Creek anomaly was reported as worthy of follow-up.

Following P.J. Legge's recommendations a Computer Study of all previous stream sediment and panned concentrate sampling was completed (Weir 1982, Weir 1983). This work high-lighted the stream sediment anomaly draining from the aeromagnetic anomaly at Destination Creek. It located two anomalous lead values in first order streams draining the Chimney Creek aeromagnetic anomaly, and indicated that Rocky Creek and Foam Creek draining the Interview Granite warranted further work.

### 6.4 West Coast Regional Aeromagnetic Survey

During 1981 the Tasmanian Department of Mines with the assistance of a special grant from the Federal Government flew a low level aeromagnetic survey covering an area from Macquarie Harbour to Mt. Bischoff and from the coast east to Tyennan Block. This survey was the first major aeromagnetic survey undertaken since the RTZ Aeromagnetic survey in 1956. The 1981 survey outlined magnetic features in greater detail and when combined with results from the CRAE geochemical compilation lead to the selection of a number of exploration targets.

7. EXPLORATION

7.1 Chimney Creek Anomaly

This aeromagnetic anomaly is an elongate north-south trending zone parallel to the edge of the Interview Granite but some two kilometres east of the granite margin.

This anomaly was selected for further exploration as a tin skarn target (due to the proximity of the granite) and also as a base-metal target because of the two anomalous lead geochemical results outlined by Weir (1982). The Consolidated syndicate completed two ground magnetic traverses at Chimney Creek but only one outlined the anomaly. Several samples were taken and the anomaly was explained by the development of magnetite within a siltstone unit (Bell 1972).

Work completed during the 1982-83 field season consisted of two magnetometer traverses (refer plans TASH 1419 and TASH 1420) totalling 4000 metres. The ground magnetics were computer modelled, the results of which suggested the magnetic anomaly was due to changes in lithology or disseminated magnetite occurring within the Interview Siltstone sequence. Several rock samples were collected and all show background geochemical values (refer Appendix One).

A fifty metre zone of goethite - limonite (ironstone) was found in a small wooded area approximately 500 metres east of the magnetic anomaly and 500 metres to the north of the northern traverse. This zone returned low geochemical values and is believed to be due to water leakage along a fault zone (Cameron 1980). The two stream sediment anomalies were not explained but the stream sediment sampling from Chimney Creek gave low geochemical results.

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No further work is envisaged in this area.

## 7.2 Interview Granite Anomaly

This anomaly was selected as a target because the West Coast aeromagnetic survey outlined a discrete anomaly, adjacent to but trending away from the Interview Granite. The exploration target was tin mineralisation within a calcareous unit of the Interview Siltstone Group.

A reconnaissance ground magnetometer traverse was completed down a track which ran through the middle of the anomaly. At the highest reading a line was read at  $310^{\circ}$  magnetic along the supposed long axis of the aeromagnetic anomaly. This line later became the 5'000N line of the grid. The area was gridded and ground magnetometer readings completed (TASH 1388 Appendix Two). Bedrock soil geochemical samples were taken with a power auger over the magnetic anomalies.

Unfortunately the aeromagnetic data showed an anomaly trending south-east and the grid was orientated accordingly. Ground magnetic readings however show it to trend to the east and this has lead to difficulties in modelling the magnetic data (Appendix Two).

The bedrock geochemical results (Appendix One pp 2 - 17) are plotted on plans TASH 1391, 1392, 1393, 1394, 1395, 1396. Each element had a cumulative percentage frequency graph plotted and break points were determined for each element and contoured accordingly.

Because outcrop geology was so sparse (the area was covered by button grass and low shrubs) a sample site geology plan was compiled (TASH 1390) to determine whether there was any correlation between anomalous sample results and the colour of the bedrock sample. No correlation was noted.

010

The anomalous (although low order) basemetal soil geochemical values generally trend with the magnetic anomaly. No tin values of any significance were found. A tungsten anomaly within the Interview Granite was found on the south-western corner of the grid.

An attempt was made during compilation to equate soil values here with values obtained on King Island over the Bold Head orebody (Rogers in Butt and Smith 1980). It was found that Mo values had a detection limit of 10ppm when assayed by the AAS method used. The Bold Head contours were contoured on a 5ppm value. Some 53 soil samples were analysed for Mo by a chemical digestion technique which allowed for a 0.5ppm detection limit. Results can be found Appendix Two pages 7 - 12 and 15 - 16. No changes were observed in Molybdenum levels the highest reading obtained being 3.5ppm.

Tungsten values were also reassayed to lower detection limits from 10ppm for XRF to 0.5 using a total digestion extraction method. Most anomalous results were repeated. Results are recorded in Appendix Two and on Plan TASH 1396.

The results in general were disappointing however proper computing of the geophysical data should be obtained. This will require several traverses (magnetic north) to intersect the anomaly at right angles. The grid should be extended to the south to close off the magnetic anomaly and further delineate the tungsten zone.

### 7.3 Destination Creek Anomaly

This anomaly strikes at approximately  $20^{\circ}$  magnetic and the trend is parallel to Destination Creek. Previous stream sediment sampling along the Pieman River indicated Destination Creek was anomalous in lead, copper and copper/nickel (Weir 1982).

011

Access was gained by bombardier over the button grass plains north of the Pieman River. A grid was established and ground magnetometer readings taken. On the initial survey several stream sediment samples were taken and samples 975389 and 975391 returned 1800 ppm and 300 ppm lead respectively. The early optimism was quickly reduced when reassaying and later resampling returned significantly lower results (refer Appendix One pp 18 - 21).

The area was mapped (refer Plan TASH 1402) and bedrock geochemical samples were taken with a hand auger over the magnetic anomalies. The geochemical results were treated statistically using cumulative percentage frequency graphs to determine populations and the results were contoured (refer Plans TASH 1403, 1404, 1405, 1406, 1407). No significant anomalies were found but a pyroxenite/dolerite dyke located on the eastern side of the grid contained significantly higher copper values which may explain the copper and copper/nickel anomalies in Destination Creek near the Pieman River.

Apart from the amphibolite dyke on the eastern end of line 4800N the grid was underlain by chloritic Interview Siltstones. At this locality the Interview Siltstones have a well developed axial plane cleavage which masks all sedimentary features.

The ground magnetic contour plan (Appendix Two TASH 1369) shows the magnetic anomaly is parallel to the geological strike. Computer modelling indicates the magnetic anomaly is due to differences in lithology or shearing and/or jointing with secondary (magnetite) mineralisation. Field mapping indicated the second hypothesis to be correct as the grid is entirely underlain by siltstones and in the magnetic zone the siltstones contain disseminated magnetite.

012

No significant geochemical anomalies were found associated with the magnetic trend. No further work is warranted on the magnetic anomaly.

#### 7.4 Regional Stream Sediment Sampling

Results of the samples collected are plotted on plan TASH 1424. Copper, lead and zinc values are also plotted in equivalent values (Table 1) corresponding to the computer study (Weir 1982). Some of the original computer study values for copper, lead and zinc are plotted on the plan especially where duplicate samples were collected during the season.

At Destination Creek resampling returned much lower geochemical values at, or near the original sampling sites but the copper and lead results were still distinctly anomalous (refer plan TASH 1424). The original lead value dropped from 300 ppm (Legge 1980) to 40 ppm but this may partly be explained because of difficulty in taking a good resample as the creek was in flood. It was also noted that the float contained pyritic siltstone. This creek deserves further exploration to determine the source of the lead anomaly.

No other stream sediment sample taken during this field season returned anomalous values.

013

TABLE ONE (from Weir 1982)

<u>Cu</u>		<u>Pb</u> (+ 100ppm treated as anomalous)		<u>Zn</u>	
<u>Symbol</u>	<u>Range</u> (ppm)	<u>Symbol</u>	<u>Range</u> (ppm)	<u>Symbol</u>	<u>Range</u> (ppm)
-	< 0.1	-	< 1	-	< 0.1
1	0.1-3	1	1-3	1	0.1-36
2	3-9	2	3-6	2	36-56
3	9-18	3	6-18	3	56-126
4	18-40	4	18-28	4	126-501
5	40-112	5	28-40	5	501-100000
6	112-10000	6	40-71	+	> 100000
7	> 10000	7	71-100		
		+	> 100		

8. FUTURE WORK

The 1982-83 field season completed work over three magnetic anomalies. Results were generally disappointing and only minimal follow-up work is recommended.

1. Completion of several north-south ground magnetic traverses over the Interview Granite anomaly to allow for further computer modelling to determine the size and shape of the magnetic source. This work is important as the minor geochemical values obtained during the soil-bedrock sampling programme may reflect mineralisation at depth.
2. The Destination Creek lead anomaly should be followed up by additional creek traversing.

3. The regional stream sediment sampling programme needs to be completed.
4. In addition to the work outlined above the Rupert Point area warrants further exploration work. In this area a thin zone of Precambrian sediments occurs on the western side of the Interview Granite just to the north of the Pieman River. The West Coast aeromagnetic survey outlines an anomaly parallel to and just inland from the coast. Prior stream sediment sampling shows this zone contains significant tin anomalies.

Mines Department 1:63360 geology mapping shows the Interview Granite intruded the upper units of the Interview Siltstone sequence. Overlying the Interview Siltstones are the Rupert Beds which outcrop to the west and consist of quartzites, siltstones and three prominent conglomerate beds. Thin sequences of chert and dolomites are also recorded. The Rupert Beds are much severely deformed than the overlying Interview Siltstones. Spry (1964) believes the Rupert Beds are equivalents of the Donaldson group which outcrop to the east of the Donaldson River (refer plan TASH 1412).

The Consolidated Syndicate (Bell 1972) completed four reconnaissance ground magnetic traverses and prepared a geological map of the area. Streams were sampled every 100-200 metres. The results show that tin values are higher when sampled on the sediments than on the granite. One stream south of Foam Creek averages almost 300ppm tin over 1400 metres from the granite contact (12 samples). More work is required to locate the source of the tin mineralisation.

The Consolidated Syndicate completed four magnetic traverses. The traverse closest to the anomalous stream shows a fairly broad magnetic anomaly the centre of which is some 400 metres from the coast, well west and downstream of the anomalous tin stream sediments.

015

The magnetic profile to the south of the stream shows a 300 gamma anomaly the peak of which is over out-cropping conglomerates and quartzites.

Esso Australia Ltd. (Neale 1973) completed a very detailed map of the Rupert Point area and noted the following features:-

Tension gashes, shearing and fracturing is very common in the Rupert Beds, but not so common in the Interview Siltstone sequence.

Indications of sulphide mineralisation (mainly pyrite) is found throughout the area.

Esso completed four reconnaissance ground magnetic traverses over the anomaly. Neale (1973) noted the magnetic responses are over black slates in contact with the granodiorite. Neale concluded the 'unreactive nature of the contact sediments indicates a poor environment for copper skarn or mantos deposits'. No sampling was undertaken to test the rocks for base metal, tin or tungsten mineralisation.

A work programme should be undertaken in this area and include:

1. Chip sampling of known sulphide zones.
2. Gridding and detailed ground magnetic survey to assist in correlation, computer modelling, and target selection.
3. Bedrock geochemical sampling over magnetic anomalies, trenching where warranted.

016

5. Weir (1983) outlined tin Panned concentrate anomalies in Rocky Creek and Foam Creek. Both creeks drain the Interview Granite and warrant further exploration.

017

9. REFERENCES

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Spry, A.H.	1957	Precambrian Rocks of Tasmania, Part 1 Dolerites of the North- West Coast, Tasmania Papers and Proceedings of the Royal Society of Tasmania Vol. 91



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11. LIST OF PLANS

TASH 1415	• EL 1/77 Rocky Cape Area Area Of Exploration	1 : 500 000
TASH 1412	• Rocky Cape EL 1/77 (Interview Granite Area) Geology-Aeromagnetic Anomalies- Grid Plan	1 : 50 000
TASH 1419	• Chimney Creek Anomaly Ground Magnetism - Southern Traverse	1 : 10 000
TASH 1420	• Chimney Creek Anomaly Ground Magnetism - Northern Traverse	1 : 10 000
TASH 1388	• Interview Granite Anomaly Total Magnetic Intensity	(In Appendix Two) 1 : 5 000
TASH 1391	• Interview Granite Anomaly Sample Locations	1 : 5 000
TASH 1392	• Interview Granite Anomaly Copper Geochemistry	1 : 5 000
TASH 1393	• Interview Granite Anomaly Lead Geochemistry	1 : 5 000
TASH 1394	• Interview Granite Anomaly Zinc Geochemistry	1 : 5 000
TASH 1395	• Interview Granite Anomaly Tin Geochemistry	1 : 5 000
TASH 1396	• Interview Granite Anomaly Tungsten Geochemistry	1 : 5 000
TASH 1397	• Interview Granite Anomaly Stream Sediment Results	1 : 5 000

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TASh 1390	Interview Granite Anomaly Geology/Sample Site Geology	1 : 5 000
TASh 1403	Destination Creek Grid Rock, Stream Sediment And Soil Sampling Sites And Numbers	(In Back Pocket) 1 : 5 000
TASh 1404	Destination Creek Grid Soil Geochemistry - Copper	1 : 5 000
TASh 1405	Destination Creek Grid Soil Geochemistry - Lead	1 : 5 000
TASh 1406	Destination Creek Grid Soil Geochemistry - Zinc	1 : 5 000
TASh 1407	Destination Creek Grid Assay Results Of Rocks And Stream Sediment Results	(In Back Pocket) 1 : 5 000
TASh 1402	Destination Creek Grid Geology	1 : 5 000
TASh 1369	Destination Creek Grid Total Magnetic Intensity	1 : 5 000 (In Appendix Two)
TASh 1424	Rocky Cape EL 1/77 (Interview Granite Area) Regional Stream Sediment Results	(In Back Pocket) 1 : 50 000

15. LIST OF APPENDICIES

APPENDIX ONE	:	Geochemical Sampling Ledgers
APPENDIX TWO	:	Geophysical Report
APPENDIX THREE	:	Petrological Descriptions

APPENDIX ONE

GEOCHEMICAL SAMPLING LEDGERS

C.R. EXPLORATION GEOCHEMICAL SAMPLE EDGER

Tenement name ROCKY CAPE  
 Area / Prospect CHIMNEY CREEK AREA  
 Map / Photo reference A 02143

No. 177 Sample numbers 975362 -

Collected by GSW

Sheet no. ONE  
 Date 29-01-83  
 DPO no. 30220

Analysed by ANALABS (COPEC)

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	C/Bi	Ni	Au	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975362	SS	1m <sup>3</sup>	15m	✓				4	3	8	x	160/x	8	-	75	x	9	265005	Chimney Creek: Trap site good, float qtzite + tourmalined? qtzite < 5% Siltstone	
975363	F	gs						15	10	15	x	180/x	335	-	x	x	3	269004	Tourmalined? qtzite med blue + white qtzite - black specks float from SS site	
975364	%	gs						30	10	25	x	365/x	560	-	x	x	x	274003	Qtzite bluish - al green, 5% - pg to 3% black specks prob lamblende - well identified	
975365	% ?	gs						5	10	40	x	30/x	30	-	x	x	5	275017	Goethite - limonite rock, no lamblende often sandy matrix, small frags qtzite	
975366	% ?	gs						10	5	45	x	85/x	110	x	25	x	x	275017	ditto 25mN	
975367	% ?	gs						5	5	40	x	65/10	75	x	x	x	4	275017	ditto another 15mN	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)  
 \*\*\*\* Soil sample type auger hole or pit depth m A B or C horizon

538024

C.R. EXPLORATION GEOCHEMICAL SAMPLING EDGER

Tenement name ROCKY CAPE  
 Area / Prospect INTERVIEW GRANITE ANOMALY  
 Map / Photo reference.....  
 A 02143

No. 177 Sample numbers 975333

Collected by GSW

Sheet no. TWO  
 Date 07.02.83  
 DPO no. 30220

Analysed by ANALABS (COSEE)

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Cr/Bi	Ni	Au	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975333	SS	trickle	8m	✓			✓	14	S	11	X	220/x	8	-	110	X	8	Brown black muds draining anomaly in marshy area - Poor sample site.		
975334	SS	0.1m	3m	✓				8	47	22	0.2	600/x	12	-	45	X	2550	On granite about 200m downstream half of quartz and Granite. - what % seen was not heavily veined.		

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type cs = crab sample rc = rock chip (state interval & length) cs = channel sample (state length)

588025

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name: ROCKY CAPE No. 177 sample numbers: 375425 Collected by: GSW Sheet no. THREE  
 Area / Prospect: INTERVIEW GRANITE ANOMALY Date: 21-03-83  
 Map / Photo reference: \_\_\_\_\_ Analysed by: ANALABS (LOOSE) DPO no. 30226  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Ba	Bi	As	Ni	W	Sn		
		o/c sample type ***																		
s sample type ****																				
375425	SS	-	S	/			/	X	S	10	X	201	X	X	15	X	X	4300N 5575E	Undefined creek - alluvial - mud bar made min sands taken from middle of winding channel - Fair sample	
375426	SS	-	2m	/	/			15	15	30	X	184	X	X	20	X	88	4300N 5560E	Small gully from N - mud alluvial and sands.	
375427	SS	also Pm	/	/				X	S	10	X	140	X	X	15	X	X	5200N 5200E	30m after end of line - ill defined creek. mud bar made + gully.	

538020

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type qs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

## C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPENo. 177 sample numbers. 975868 -Collected by GSDSheet no. FOURArea / Prospect INTERVIEW GRANITE ANOMALYDate 16/3/83

Map / Photo reference

Analysed by ANALABS (COOEE)DPO no. 30225

A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations		
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au	Ba			W	Sn
		o/c sample type ***																		
		s sample type ****																		
975868	S	PA	1.4m	B <sub>2</sub>				x	x	165	x	x	x			x	x	5000N	BASELINE. 5000E LINE Olive green sh. sandy silty soil - hard ground at 1.4m but no clippings.	
975869	S	PA	1.6m	B <sub>1</sub>				x	x	70	x	x	10			x	3	5025N	Dk + pale greenish - gy clays.	
975870	S	PA	1.6m	B <sub>1</sub>				130	5	80	x	x	x			x	x	5050N	Black organic clays.	
975871	S	PA	1.6m	B <sub>2</sub>				x	5	65	x	x	x			x	x	5075N	Lighter bn - gy micaceous? clays under v. dk gy - black organic clays.	
975872	S	PA	40cm	B <sub>2</sub> -C				5	x	20	x	x	x			x	x	5100N	Med bn → dk bn clays and siltstones	
975873	S	PA	1m	B <sub>2</sub> -C				35	20	25	x	x	x			x	x	5125N	Dk chocolate bn with frags of yellow bn siltstone	
975874	S	PA	1m	B <sub>2</sub> -C				x	x	20	x	x	x			x	x	5150N	Med gy - bn clays over siltstone frags	
975875	S	PA	1.5m	B <sub>1</sub> -B <sub>2</sub>				5	10	40	x	x	x			x	x	5175N	Pale gy + med gy clays	
975876	S	PA	1.5m	C				15	20	55	x	x	10			x	x	5200N	Pale gy gy weathered siltstones.	
975877	S	PA	60cm	B <sub>2</sub> -C				x	10	15	x	x	10			x	x	5225N	Med gy - gy weathered siltstones overlain by med gy clays containing Tent gravels.	
975878	S	PA	30cm	B <sub>1</sub>				x	5	10	x	x	x			x	x	5250N	Med bn clays heavily contaminated with dk bn clays & Tent gravel - qtz grains	
975879	S	PA	50cm	B <sub>2</sub> -C				x	x	20	x	10	x			x	x	5275N	Pale creamy fawn clays maybe ad cont for Tent gravels.	
975880	S	PA	50cm	B <sub>2</sub> -C				x	x	25	x	x	x			x	x	5300N	Mixture med bn, pale bn + qtz chips maybe some siltstone fragments.	
975881	S	PA	1.2m	B <sub>2</sub> -B <sub>1</sub>				x	5	15	x	x	x			x	x	5325N	Pale blue - gy clays to 30% - C mainly gy - black clays and med - gy clays.	
975882	S	PA	1.3m	B <sub>1</sub>				20	15	55	x	x	x			x	x	5350N	V. dk 'steel' black gy clays minor med gy clays.	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil

\*\* Stream sed. sample description fl = flow m<sup>3</sup>/sec wi = width m al = alluvial co = colluvial ca = catchment km<sup>2</sup>

\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval &amp; length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE  
 Area / Prospect INTERVIEW GRANITE ANOMALY  
 Map / Photo reference A 02143

No. 77 sample numbers 975883 - Collected by GSJ

Sheet no. FIVE  
 Date 15/3/83  
 DPO no. 30225

Analysed by ANALABS (COFFE)

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations	
		ss*	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Mo	Bi	Au	Ba	W			Sn
		oc	o/c sample type ***																		
		f	s sample type ****																		
975883	S	PA	1.4m	B <sub>2</sub> -B <sub>2</sub>					20	15	25	x	x	10				x	x	5375N	ht gy micaceous clays under med bn clays.
975884	S	PA	1.6m	B <sub>2</sub>					40	10	85	x	x	x				x	x	5400N	ht micaceous clays under v. dk gy clays.
975885	S	PA	80cm	B <sub>2</sub>					5	x	10	x	x	x				x	x	4975N	med gy-bn clays - micaceous - gravel band 20cm wide at 30cm dept.
975886	S	PA	25cm	C'					x	x	20	x	x	x				x	x	4950N	med yellow bn weathered siltstone 3m-5".
975887	S	PA	1.6m	B <sub>2</sub> -C					35	15	55	x	x	x				x	x	4925N	Black clay over bn clay over gy clays - rock frags some of gravel chips - very messy sample from watercourse.
975888	S	PA	1.2m	B <sub>2</sub>					20	15	40	x	10	10				x	x	4900N	Duplicate; med gy-bn clays.
975889	S	PA	1.2m	B <sub>2</sub>					15	15	45	x	x	10				x	x		
975890	S	PA	1.1m	B <sub>2</sub>					5	5	45	x	x	x				x	x	4875N	med gy + gy-bn clays.
975891	S	PA	1.6m	B <sub>2</sub>					115	40	20	0.5	10	x				x	x	4850N	med gy clay.
975892	S	PA	1.0m	B <sub>2</sub>					x	x	75	x	x	x				x	x	4825N	Deep yellow bn clays
975893	S	PA	80cm	B <sub>2</sub> -C					5	x	10	x	x	10				x	x	4800N	Mainly dk gy-bl clay with med. bn basal clays - consisting of weathered siltstone.
975894	S	PA	40cm	B <sub>2</sub>					35	5	30	x	x	x				x	x	4775N	Mainly dk gy-bl clays some med. bn clays.
																				4750N	NO SAMPLE
975895	S	PA	1m	B <sub>2</sub> -C					10	25	40	x	x	x				x	x	4725N	Yellow-bn clays are red + bn particles
975896	S	PA	1.1m	B <sub>2</sub> -C					5	5	25	x	x	x				x	x	4700N	Med. yellow-bn with some much dk bn clays.

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE

No. 177 Sample numbers 975897 -

Collected by (CB)

Sheet no. 51\*

Area / Prospect INTERVIEW GRANITE ANOMALY

Date 17/3/83

Map / Photo reference

Analysed by ANALABS (COOE)

DPO no. 30225

A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations	
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au				
		o/c sample type ***																	
		s sample type ****																	
975897	S	PA	1m	'B-B'				x	5	10	x	x	x			x	5	4900E	Black clays over qtz chips + mod bn clay
975898	S	PA	1m	'B-B'				x	5	5	x	x	x			x	x	4925E	Black clays + minor qtz chips + mod bn clay
975899	S	PA	1m	'B-B'				x	x	20	x	x	x			x	3	4950E	ditto
975900	S	PA	80cm	'B'				x	5	10	x	x	x			x	x	4975E	Mod-dk bn clay 80% some qtz + 1 dk bn clay
(SEE BASE LINE GEOCHEMICAL SHEETS)																			
975451	S	PA	1.5m	'B-C'				x	10	80	x	x	x			x	x	5025E	Lt gy micaceous siltstone frag - al. sandy and some dk gy clay
975452	S	PA	1.2m	'B'				10	10	30	x	x	10			x	x	5050E	Mod gy-bn clay
975453	S	PA	1m	'B'				x	5	15	x	x	x			x	x	5075E	Mod bn - dk gy clay
975454	S	PA	1.2m	'C'				x	x	15	x	x	x			x	x	5100E	Mod bn clay - siltstone particles
975455	S	PA	80cm	'B'				50	35	35	x	10	x			x	x	5125E	Duplicate; mod bn clay
975456	S	PA	80cm	'B'				50	20	35	x	10	x			x	x		
975457	S	PA	1.1m	'C'				20	20	70	x	x	10			x	x	5150E	Med-lt gy siltstone chips
975458	S	PA	1.3m	'C'				x	15	25	x	x	x			x	x	5175E	Med yellow - gy-bn clay
975459	S	PA	1.2m	'C'				x	5	20	x	x	x			x	x	5200E	Mod yellow clay under Tert. gravel

\* Sample type ss = stream sediment oc = outcrop f = float s = soil

\*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2

\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE LOGGER

Tenement name ROCKY CAPE No. 177 sample numbers 975460 - Collected by GOJ Sheet no. SEVEN  
 Area / Prospect INTERVIEW GRANITE ANOMALY Date 17/3/83 + 23/3/83  
 Map / Photo reference A 02143 Analysed by ANALABS (LOCEE) DPO no. 30225, 30226

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations	
		ss *	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Mo	Bi	As	Ba	W			Sn
		oc	o/c sample type ***																		
		f	s sample type ****																		
975460	S	PA	90m	'C'					x	S	15	x	x	x				x	x	S100N	LINE
975461	S	PA	10m	'B <sub>2</sub> '					S	S	20	x	x	x				x	x	S250E	Mod. bn clays
975462	S	PA	50m	'B <sub>2</sub> '					25	10	30	x	x	x				x	x	S22SE	Mod bn clays
975463	S	PA	60m	'C'					60	25	60	x	x	x				x	x	S200E	Duplicate; Dk green clays under mod yellow clay
975464	S	PA	60m	'C'					60	15	60	x	x	x				x	x		80% 'C' 20% B <sub>2</sub>
975465	S	PA	80m	'B <sub>2</sub> '					x	x	35	x	x	x				x	x	S17SE	Mod bn, al ga clay
975466	S	PA	20m	'B <sub>2</sub> '					x	S	25	0.5	x	x				x	x	S150E	lt-med yellow weathered siltstone - clay. Tent qtz gravel on surface.
975467	S	PA	1m	'B <sub>2</sub> '					x	x	40	x	x	x				x	x	S12SE	Mod yellow clay
975468	S	PA	1.5m	'C'					S	S	75	x	0.5	x	x	SS9	x	x	S100E	med-dk gy clays + weathered siltstone	
975469	S	PA	1m	'C'					x	x	35	x	x	x	x	601	x	x	S07SE	med gy weathered siltstone	
975470	S	PA	1m	'C'					15	S	15	x	x	x	x	317	x	x	S050E	Pale yellow-gy clays over angular qtz chips - weathered siltstone	
975471	S	PA	1.1m	'B <sub>2</sub> -C'					x	x	10	x	x	x	x	521	x	x	S02SE	Duplicate but different horizon: -	
975472	S	PA	1.1m	'B <sub>2</sub> -B'					x	x	10	x	0.5	x	x	559	x	x		471: Mod yellow-gy-bn clays some Vdk bn bl clays; 472: Vdk bn-bl layer of clays	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 77 Sample numbers 975473 - Collected by GSU Sheet no. EIGHT  
 Area / Prospect (INTERVIEW) GRANITE ANOMALY Date 23/3/83  
 Map / Photo reference ..... Analysed by ANALABS (COOE) DPO no. 30226  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	As	Ba	W	Sn		
		o/c sample type ***																		
s sample type ****																				
975473	S	PA	60m	C'				15	5	25	x	0.5	x	x	683	x	x	S200N	LNE.	
975474	S	PA	60m	C'				5	x	20	x	0.5	x	x	523	x	x	S105E	Mod yellow basal clays	
975475	S	PA	11m	C'				5	5	25	x	0.5	x	x	544	x	x	S150E	Mod yellow clay al. schistose	
975476	S	PA	12m	C'				x	5	35	x	0.5	x	x	552	x	x	S180E	Mod yellow clay	
975477	S	PA	12m	C'				x	x	50	x	x	x	x	587	x	x	S200E	Mod yellow clay - pale grey micaceous clays	
975478	S	PA	60m	C'				25	x	40	x	0.5	x	x	505	x	x	S225E	Yellow grey clays over weathered siltstone	
975479	S	PA	80m	C'				25	x	35	x	x	x	x	528	x	8	S250E	Mod yellow weathered siltstone and clays	
COULD NOT GO FURTHER EAST BUS# TOO THICK																				

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name: ROCKY CAPE No. 17 Sample numbers: 975480 - Collected by: GSW Sheet no. NINE  
 Area / Prospect: INTERVIEW GRANITE ANOMALY Date: 23/3/83  
 Map / Photo reference: ..... Analysed by: ANALABS (CODE) DPO no. 30226  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	As	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975480	S	PA	1.1m	'C'				25	10	65	x	0.5	x	x	444	x	x	4700E	Pale gy weathered siltstones - clays, minor V. dk gy - bl peaty clays.	
975481	S	PA	1.5m	'C'				10	x	55	x	x	x	x	643	x	x	4650E	Med blue-gy weathered siltstones some Mn? staining on joints or fractures.	
975482	S	PA	1.3m	'C'				45	5	90	x	x	x	x	437	x	x	4625E	Med gy-br weathered siltstones + clays - not a very good sample.	
975483	S	PA	80cm	'C'				15	5	50	x	x	x	x	515	x	x	4600E	Pale yellow-gy (V. hard duric) siltstones?	
975484	S	PA	1m	'C'				15	x	65	x	x	10	x	400	x	3	4575E	Pale gy-gy weathered siltstones.	
975485	S	PA	1.4m	'B <sub>2</sub> '				5	x	10	x	x	x	x	193	x	x	4550E	Med. dk br gritty muds V. wet - contaminated	
975486	S	PA	90cm	'B <sub>2</sub> '				5	15	25	x	x	x	x	297	x	x	4525E	Pale yellow-gy over bright yellow clays.	
975487	S	PA	1.2m	'B <sub>2</sub> '				25	10	35	x	x	x	x	277	x	x	4500E	Med yellow clays - weathered granites?	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\*

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name: ROCKY CAPE No. 17 Sample numbers: 975488 - Collected by: GBW Sheet no. TEN  
 Area / Prospect: INTERVIEW GRANITE ANOMALY Date: 25/3/83  
 Map / Photo reference: ..... Analysed by: ANALABS (COSEE) DPO no. 20226  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %											Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	As	Ba	W	Sn			
		o/c sample type ***																			
		s sample type ****																			
975488	S	PA	13m	'C'				x	x	40	x	0.5	x	x	406	60/x	x	4900N	LINE		
975489	S	PA	1m	'B <sub>2</sub> '				15	5	20	x	x	x	x	419	25/x	x	4700E	Med bn clays with qtz chips under peaty layers		
975490	S	PA	9cm	'B <sub>2</sub> '				x	x	20	x	x	x	x	579	35/x	x	4725E	Med bn-gy clays		
975491	S	PA	60m	?				5	10	25	x	x	x	x	288	60/x	x	4750E	Med gy-bn gritty? clays some MN? organic material from overlying peaty layers		
975492	S	PA	12m	'B <sub>2</sub> '				5	x	25	x	0.5	x	x	564	100/x	x	4775E	below laterite layer - dk gy qtz chips and gy clays		
975493	S	PA	14m	'C'				x	x	65	x	x	10	x	565	60/x	x	4800E	Dk gy - al gy-gs weathered siltstones		
975494	S	PA	12m	'B <sub>2</sub> -C'				x	x	15	x	x	x	x	707	60/x	x	4825E	Dk gy - some med gy weathered siltstone + clay		
975495	S	PA	12m	'B <sub>2</sub> -C'				x	x	15	x	x	x	x	575	45/x	x	4850E	med gy-bn + light gy-bn weathered siltstones and clays		
975496	S	PA	13m	'B <sub>2</sub> -C'				20	20	150	x	0.5	x	x	235	x	x	4875E	Steel gy clays - micaceous + weathered siltstone pieces maybe some sands		
975497	S	PA	1.1m	'B <sub>2</sub> '				x	x	15	x	0.5	x	x	658	x	x	4900E	med gy-bn clays minor siltstone chips		
975498	S	PA	1.3m	'B <sub>2</sub> -C'				x	10	45	x	0.5	x	x	260	x	x	4925E	Med gy-bn clays and weathered siltstone 60% and 1 dk bn-gy peaty soils with qtz pieces		
975499	S	PA	30m	'C'				x	5	20	x	x	x	x	556	x	4	4950E	Med gy-bn clays some qtz chips contamination from overlying gravels		
975500	S	PA	80m	'C'				x	x	15	x	0.5	x	x	644	x	x	4975E	Weathered med bn-gy clays + weathered siltstone fragments		
975888								REFER 'BASELINE 5000E' SAMPLING SHEET													

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

## C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPENo. 77 sample numbers 975501 - 975516Collected by G.B.W.Sheet no. ELEVENArea / Prospect INTERIOR GRANITE ANOMALYDate 13.04.83

Map / Photo reference

Analysed by ANALABS (COOE)DPO no. 30228

A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations	
		ss*	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Bi	As	Mo	Ba	W			Sn
		oc	o/c sample type ***																		
		f	s sample type ****																		
975501	S	PA	1.4m	C-B <sub>2</sub>					10	50	35	X	X	X	0.5	466	X	X	4900N	LNE	Gy-gr weathered + fresh siltstones but some 40% dk gy clays in Tert gravels.
975502	S	PA	1.4m	C					240	10	30	X	10	X	0.5	214	X	X	5050E		Med-dk gy clays weathered siltstones minor dk gy clay contamination - B <sub>2</sub> .
975503	S	PA	1.5m	C					10	X	50	X	X	X	X	607	X	X	5075E		Dk gy weathered siltstones - clays very wet.
975504	S	PA	1.5m	B-C					5	X	50	X	X	X	X	535	X	X	5100E		Dk gy weathered siltstones and 40% med-dk gy clays in Tertiary gravels - wet - contaminated.
975505	S	PA	1.5m	C					10	10	65	X	X	100	X	624	X	X	5125E		DUPLICATE - Dk gy clays micaceous
975506	S	PA	1.5m	C					15	80	145	X	X	X	X	182	X	3			weathered siltstones minor dk gy clays in Tertiary gravels so some contamination.
975507	S	PA	1.3m	C					20	35	80	X	X	X	X	476	X	4	5150E		Med yellow-gy clays with med-fresh micaceous clays
975508	S	PA	1.1m	C					15	5	35	X	X	X	0.5	232	X	X	5175E		Med yellow-bn clays.
975509	S	PA	1.4m	C					15	5	55	X	X	100	X	601	X	5	5200E		DUPLICATE - Pale gy-gr micaceous weathered siltstones.
975510	S	PA	1.4m	C					15	X	40	X	X	X	X	525	X	5			
975511	S	PA	1.2m	C					10	X	45	X	X	X	1.0	626	X	8	5225E		Med yellow weathered siltstones with qtz but this maybe Tert gravel contamination.
975512	S	P.A	1.0m	C					X	X	75	X	10	X	X	296	X	3	5250E		Yellow-gr micaceous clays
975513	S	PA	90cm	C					X	10	50	X	10	X	0.5	491	X	X	5275E		Med-dk yellow gy clays.
975514	S	PA	80cm	C					5	5	50	X	X	X	X	151	40% X	X	5300E		Gy-yellow weathered micaceous siltstones.
975515	S	PA	1m	C					10	X	20	X	X	X	0.5	761	135% 14	4	5325E		DUPLICATE - Yellow-bn micaceous
975516	S	PA	1m	C					5	5	20	X	X	X	0.5	815	12% 11	3			clays.

\* Sample type ss = stream sediment oc = outcrop f = float s = soil

\*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2

\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval &amp; length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE

No. 177 Sample numbers 975517 - 520

Collected by GBW

Sheet no. TWELVE

Area / Prospect INTERVIEW GRANITE ANOMALY

Date 13 Oct 83

Map / Photo reference

Analysed by ANALABS (COOEC)

DPO no. 30228

A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %											Grid ref	Geological Observations
		ss *	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Bi	As	Mo	Ba	U	Sn		
		oc	o/c sample type ***																		
		f	s sample type ****																		
975517	S	PA	70m	C'					5	X	30	X	X	X	X	412	60/12	3	5350E	Yellow-br micaceous clays	
975518	S	PA	50m	C'					10	10	25	0.5	X	X	X	331	35/x	X	5375E	Mod - deep yellow br clays.	
975519	S	PA	14m	C'					10	10	20	X	X	X	X	220	20/x	X	5400E	DUPLICATE - Pale gy - cream + slight yellow -	
975520	S	PA	14m	C'					10	15	20	X	X	X	X	225	20/x	3		gy & micaceous clays.	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil

\*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2

\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE DGER

Tenement name: ROCKY CAPE No. 177 sample numbers: 975521 - 540 Collected by: G6W Sheet no. THIRTEEN  
 Area / Prospect: INTERVIEW GRANITE ANOMALY Date: 13-14-04-83  
 Map / Photo reference: \_\_\_\_\_ Analysed by: ANALABS (CODEE) DPO no. 30228  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %											Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Bi	As	Ba	W	Sn				
		o/c sample type ***																			
		s sample type ****																			
975521	S	PA	1m	C'				20	5	50	0.5	x	x	x	461	25/x	5	4800N	LINE.	mod - al yellowy gy v.f. sands - much water	
975522	S	PA	1m	C'				30	15	60	x	x	x	x	416	65/x	x	5400E		yellow gy f.g. micaceous sands	
975523	S	PA	80cm	C'				5	x	35	x	x	x	x	639	100/12	4	5350E		Pale gy v.f. sandy clays.	
975524	S	PA	80cm	C'				5	5	25	x	x	x	x	410	25/x	3	5325E		v. pale creamy - gy clays	
975525	S	PA	1.1m	C'				10	5	20	x	x	x	x	703	20/x	3	5300E		DUPLICATE - Pale yellowy gy clays	
975526	S	PA	1.1m	C'				10	x	20	x	x	x	x	697	25/x	x				
975527	S	PA	1m	C'				5	x	585	x	x	x	1.0	484	x	x	5275E		mod - dk yellow gy v.f. sandy clays	
975528	S	PA	1.2m	C'				10	10	55	x	x	x	1.0	493	x	x	5250E		Dk yellow gy v.f. sandy clays.	
975529	S	PA	90cm	C'				10	10	25	x	x	x	1.0	794	x	3	5225E		Lt yellow gy clays mixed mod yellow + pale gy clays	
975530	S	PA	90cm	C'				15	15	30	x	x	x	1.0	604	x	x	5200E		Pale - al yellow- gy clays	
975531	S	PA	1m	C'				25	5	20	x	x	x	3.5	110	16	5	4975E		mod yellow clays	
975532	S	PA	90cm	C'				5	15	30	x	x	x	1.0	301	x	20	4950E		mod - bright yellow clays beneath thick Tert. gravels maybe al. contamination.	
975533	S	PA	1m	C'				20	5	15	x	x	x	1.0	198	x	3	4925E		DUPLICATE - bright - mod yellow clays	
975534	S	PA	1m	C'				20	5	20	x	x	x	1.0	200	x	x			beneath pale yellow clays	
975535	S	PA	1m	C'				30	5	10	x	x	x	1.5	291	x	x	4900E		mod yellow clays	
975536	S	PA	80cm	C'				25	15	25	x	x	x	1.5	303	18	x	4875E		Dk yellow-br clays	
975537	S	PA	40cm	C'				20	10	40	x	x	x	1.0	411	x	5	4850E		mod yellow clays basement at 10 cm	
975538	S	PA	1.3m	B1				80	15	50	x	40	x	1.5	428	x	x	4825E		Dk gy-bl soil with some siltstone chips not a good sample.	
975539	S	PA	1.4m	B1-C'				15	5	70	x	30	100	1.5	458	22	x	4800N		Weathered siltstone 30% dk br muds mixed w/ chips - contaminated sample.	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
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 \*\*\* Outcrop sample type ns = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE DGER

Tenement name ROCKY CAPE No 177 sample numbers 975540 - 546 Collected by CBW Sheet no. FOURTEEN  
 Area / Prospect INTERVIEW GRANITE ANOMALY Date 14.04.83  
 Map / Photo reference ..... Analysed by ANALABS (COOR) DPO no. 30228  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %							Grid ref	Geological Observations			
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Bi	As	Au			Ba	W	Sn
		o/c sample type ***																		
s sample type ****																				
975540	S	PA	1m	'C'				155	25	60	x	x	x	10	46	x	x	4800N	LINE	
975541	S	PA	1.3m	'C'				20	15	20	x	x	x	6.5	326	x	7	4750E	Med yellow clay, sl micaceous some bright yellow.	
975542	S	PA	1.3m	'C'				20	x	15	x	x	x	20	317	<sup>25</sup> / <sub>x</sub>	x	4750E	DUPLICATE of above.	
975543	S	PA	1.5m	'B1'				S	20	15	x	x	x	x	330	<sup>16</sup> / <sub>13</sub>	x	4750E	lt br gy clays containing 30% qtz particles maybe Test gravels but this underlies v. dk gybl humic soils.	
975544	S	PA	1.5m	'C'				S	25	25	x	10	x	x	223	<sup>4</sup> / <sub>x</sub>	4	4700E	Med-dk br weathered granitic clays	
975545	S	PA	1.4m	'C'				S	20	40	0.5	x	100	x	179	<sup>56</sup> / <sub>17</sub>	x	4675E	v. dk sl. yellowy br gilty micaceous clays - probably weathered granite.	
975546	S	PA	1.5m	'C'				S	20	30	x	x	x	x	270	<sup>8</sup> / <sub>x</sub>	4	4650E	med br very micaceous gilty weathered granite	

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 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. 'PLORATION . GEOCHEMICAL SAMPLE 'DGER

Tenement name ROCKY CAPE No. 177 sample numbers 975547 - 563 Collector GSW Sheet no. FIFTEEN  
 Area / Prospect INTERVIEW GRANITE ANOMALY Date 14.04.83  
 Map / Photo reference ..... Analysed by ANILAS (COPE) DPO no. 30228  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Bi	As	Mo	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975547	S	PA	12m	'C'				10	20	25	x	x	x	75	223	42/59	x	4700N LINE 4700E	Mod-dk yellowy clays then gritty micaceous clays - probably weathered granite.	
975548	S	PA	1.3m	'C'				10	20	15	x	x	x	75	176	41/72	x	4725E	Dk bn micaceous gritty clays - weathered granite.	
975549	S	PA	1.4m	'C'				5	30	15	x	x	100	10	323	30.5/56	x	4750E	Dk bn micaceous gritty clays - weathered granite.	
975550	S	PA	1.4m	'C'				x	5	200	x	x	x	x	529	15/x	x	4775E	V. pale gy clays DUPLICATE probably weathered siltstone.	
975551	S	PA	1.4m	'C'				S	5	190	x	x	x	x	507	15/x	x			
975552	S	PA	1.1m	'C'				65	x	50	x	x	x	x	560	10/x	S	4800E	V. pale al. gr-gy clays.	
975553	S	PA	1.5m	'C'				S	x	35	x	10	x	x	782	2/x	S	4825E	Med-dk gy weathered siltstone clays.	
975554	S	PA	1.5m	'C'				x	x	50	x	x	x	1.0	706	x	x	4850E	Med-dk gy-bn micaceous v.f.g. sandy clays.	
975555	S	PA	1.4m	'C'				465	45	65	0.5	x	100	1.5	610	x	S	4875E	Med-al yellow gy micaceous v.f.g. sandy clays maybe clayey sands.	
975556	S	PA	1.3m	'C'				20	10	10	x	x	x	1.0	334	x	x	4900E	Micaceous pinky-bn clays.	
975557	S	PA	1m	'C'				15	50	30	x	x	x	0.5	19	x	x	4925E	Mod yellow v.f.g. sandy clays DUPLICATE	
975558	S	PA	1m	'C'				15	50	25	x	x	x	1.0	x	x	x			
975559	S	PA	1m	'C'				S	15	15	x	10	x	1.0	411	11	x	4950E	Dk reddish bn gritty + sh. sandy clays.	
975560	S	PA	1m	'C'				S	10	10	x	x	x	0.5	416	x	x	4975E	Mod bn v.f.g. sands and clays minor grit pieces.	
												REFER 'BASELINE 5000E' SAMPLING SHEET.					5000E			
975561	S	PA	1m	'C'				10	5	20	x	10	100	1.0	525	x	9	5025E	Mod-lt yellow clays.	
975562	S	PA	1.5m	'B <sub>2</sub>				25	45	35	x	x	x	1.0	233	x	x	5050E	Micaceous al. v.f.g. sandy clay.	
975563	S	PA	1.5m	'B <sub>2</sub>				10	15	20	x	x	x	0.5	539	x	x	5075E	Pale bn gy micaceous al sandy clays + dk bn overlying clays - highly contaminated.	

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C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 sample numbers 975564-569 Collected by GBU Sheet no. SIXTEEN  
 Area / Prospect INTERVIEW GRANITE ANOMALY Date 14-04-83  
 Map / Photo reference ..... Analysed by ANALABS (COOE) DPO no. 30228  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %											Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Bi	As	Mo	Ba	W	Sn			
		o/c sample type ***																			
		s sample type ****																			
975564	S	PA	30m	'C'				20	10	100	x	x	x	1.0	438	x	x	4700N	LIVE		
975565	S	PA	14m	'B1'				20	10	30	x	x	x	1.0	479	x	x	5125E	Med-dk bn Tertiary clays and sands with qtz grit particles - v. wet running water.		
975566	S	PA	15m	B1				40	20	25	x	x	x	3.5	679	x	3	5150E	Tert. gravel horizon med-dk grey-bl micaceous muds with qtz grit particles.		
975567	S	PA	30m	'C'				20	20	30	x	10	x	1.0	500	x	x	5175E	Med yellow clays		
975568	S	PA	11m	'C'				25	10	40	x	x	x	2.0	289	x	x	5200E	DUPLICATE: Bright - med yellow occ. v. pale		
975569	S	PA	11m	'C'				25	10	35	x	x	x	2.0	289	x	x		grey micaceous weathered siltstones.		

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 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type oc = grab sample cr = rock chip (state interval & length) cs = b...

C.R.A. EXPLORATION, GEOCHEMICAL SAMPLE REGISTER

Tenement name: ROCKY CAPE No. 177 Sample numbers: 975570 - 581 Collected by: (GSL) Sheet no. SEVENTEEN  
 Area / Prospect: INTERVENED GRANITE ANOMALY Date: 14.04.83  
 Map / Photo reference: ..... Analysed by: ANALABS (COOE) DPO no. 30228  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %											Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Bi	As	Au	Ba	W	Sn			
		o/c sample type ***																			
		s sample type ****																			
975570	S	PA	50cm	'C'				5	10	60	X	10	100		893 <sup>20</sup> / <sub>41</sub>	4	475E	Pale yellow gy clays - weathered siltstone			
975571	S	PA	1.4m	B <sub>2</sub> 'C'				10	10	80	X	X	X		417 <sup>16</sup> / <sub>20</sub>	X	4950E	Med yellow gy clays but very contaminated with grits from overlying horizon.			
975572	S	PA	1.5m	B <sub>2</sub> 'C'				200	25	115	0.5	X	X		247 <sup>35</sup> / <sub>X</sub>	X	4925E	Sl gr-gy v. wet medo v. contaminated with grits			
975573	S	PA	1.5m	B <sub>2</sub> '				15	60	310	X	10	X		235 <sup>17</sup> / <sub>X</sub>	X	4900E	Gy-bn clays with Tert. gravel - of grits.			
975574	S	PA	1.5m	B <sub>2</sub> '				10	5	15	X	X	X		588 <sup>25</sup> / <sub>X</sub>	X	4875E	Ditto.			
975575	S	PA	1.1m	B <sub>2</sub> 'C'				40	5	35	X	X	100		257 <sup>70</sup> / <sub>77</sub>	21	4850E	Dr yellow-bn but auger could not collect a big sample. maybe 'C'			
975576	S	PA	1.6m	B <sub>2</sub> '				130	25	250	0.5	X	X		258 <sup>25</sup> / <sub>X</sub>	X	4825E	med-th gy clays - v. contaminated - wet.			
975577	S	PA	1.5m	B <sub>2</sub> '				10	10	15	X	X	100		313 <sup>20</sup> / <sub>14</sub>	X	4800E	Med-bn gy gritty clays 'B <sub>2</sub> not C.'			
975578	S	PA	1.5m	B <sub>2</sub> oc				5	5	25	0.5	X	X		313 <sup>7</sup> / <sub>20</sub>	X	4775E	Med bn clayey grits 'B <sub>2</sub> or C'			
975579	S	PA	1.4m	B <sub>2</sub> '				5	5	15	X	X	X		324 <sup>20</sup> / <sub>233</sub>	3	4750E	V. dk bn clays heavily contaminated by overlying grits may have a grit component themselves - maybe weathered granite.			
975580	S	PA	1.4m	B <sub>2</sub> '				X	5	20	X	X	X		87 <sup>30</sup> / <sub>30</sub>	4	4725E	V. dk bn clays gritty - maybe gritty in deepest horizon.			
975581	S	PA	1.3m	'C'				X	5	15	X	X	X		226 <sup>5</sup> / <sub>38</sub>	4	4700E	Dr yellow bn weathered granite.			

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\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

Tenement name ROCKY CAPE C.B. EXPLORATION GEOCHEMICAL SAMPLING EDGER  
 Area / Prospect DESTINATION CREEK No. 177 Sample numbers 975389 - Collected by GBW Sheet no. EIGHTEEN  
 Map / Photo reference..... Analysed by ANALABS (COOEE) Date 06-02-83  
 A 02143 DPO no. 30230

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Cr/Bi	Ni	Au	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975389	SS	NIL	4m	✓	✓			?	30	1800	96	2.5	104/x	16	-	310	x	10	5200N 4800E	Main Creek not flowing no % at site - heavy undergrowth - brown silty mud.
975390	SS	NIL	2m	✓	✓				25	37	21	0.1	41/x	10	-	180	x	3	5200N 4750E	Trib-flow NE. - brown-black silty mud some sand.
975391	SS	0.2%	1m	✓	✓				13	300	54	0.4	95/x	17	-	270	x	130	5200N 5250E	Flowing creek - float + % blue-green chloritic siltstone.
975392	%	gs.							65	5	85	x	10/x	35	-	570	x	7		Blue green chloritic siltstone at site of SS.
975410	F	gs.							260	20	185	0.5	55/10	205		74	x	x	4800N 5350E	Diorite float - E edge? of dyke
975413	%	gs.							15	5	5	x	35/x	740		5	x	x	5000N 5350E	Reef Qtz dk - very pure white qtz.
975414	%	gs.							10	5	140	x	35/x	80.		393	x	x	5000N 5240E	Laminated siltstone - banded - soft sed. slump features thin wavy layers after compaction? no Fe stains.
975415	%	gs.							x	10	100	x	45/x	115		501	x	x	5000N 5170E	Laminated siltstone - monotonous
975423	%	gs.							5	5	70	x	35/x	45		657	x	x	5000N 4980E	Pale blue-green laminated siltstone - al sandy - steel qtz & f.g. steel qtz - mayhemica reflections 1% of rock

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 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type os = orah sample rc = rock chip (state interval & length) ce = h

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE LOGGER

Tenement name ROCKY CAPE  
 Area / Prospect DESTINATION CREEK  
 Map / Photo reference A 02143

No. 177 Sample numbers 975405 - Collected by GBL

Sheet no. NINETEEN  
 Date MARCH 1983  
 DPO no. 30225 - 226

Analysed by ANALABS (COFFE)

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Cr	Bi	Ni	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975406	SS	-	2m	✓	✓			9	16	21	x	81	x	11	184	x	x	5150N 4820E	Traversed up creek from 5000N 4838E - dk gy-br muds - average - fair sample site	
975407	SS	20-10%	1m	✓	✓			7	12	51	x	80	x	17	313	x	x	4820N 5100E	Large boulders of gy-gn laminated siltstone - sample from rocky banks - E. Tributary	
975408	SS	20-10%	2m	✓	✓			6	11	24	x	36	x	10	240	x	x	4830N 5030E	W tributary - only just flowing over siltstone boulders - gy-br muds + siltstone fragments	
975409	SS	-	2m	✓				5	8	11	x	60	x	8	127	x	x	5000N 4570E	Small gully gy clays & humus - upper end of creek may never flow except after downpours	
975411	SS	10-10%	2m	✓	✓			5	14	29	x	43	2	13	355	x	x	5000E 4920N	On base line 80m S of origin brown sands and muds up to cobble size - siltstones	
975412	SS	-	2m	✓	✓			11	11	52	x	72	x	17	342	x	4	4800N 5395E	brown clays and sands over weathered siltstone sample dug from bottom of depression	
975416	SS	-	4m	✓	✓			6	7	28	x	42	x	15	284	x	x	5400N 5242E	Gully no defined water course gy-br clays from deepest portion of gully	
975417	SS	10-10%	2m	✓				4	8	50	x	37	x	16	402	x	x	5400N 5160E	Small creek - runs along E side of grid. Dk gy muds + sands some extremely chlorite rich (siltstone)	

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\*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2

\*\*\* Outcrop sample type ns = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE I FDGER

Tenement name ROCKY CAPE  
 Area / Prospect DESTINATION CREEK  
 Map / Photo reference A 02143

No. 177 sample numbers 975418 - Collected by GLL

Sheet no. TWENTY  
 Date MARCH 1983  
 DPO no. 30225-226

Analysed by ANALABS (CODEE)

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Cr	Bi	Ni	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975418	SS	-	Sm	/				4	6	15	x	100	x	12	35	x	x	5400N 4940E	Gentle gully - wide auger - stream sediments from central portion of depression.	
975419	SS	60%	50cm	/	/			4	7	17	x	43	2	10	276	x	x	5400N 4875E	Deep gully - 8m wide - brown muds and g/s silt particles	
975420	SS	60%	1m	/	/			5	12	13	x	53	2	7	x	x	5350N 4730E	Main creek crossing grid diagonally - no real defined channel took sample from bombarding path through gully - med bn clays - coars - g/s.		
975421	SS	60%	1m	/	/		/	4	9	26	x	36	x	11	266	x	x	5400N 5260E	Med vegetation, silts + gravels	
975422	SS	60%	1m	/				4	8	20	x	56	x	10	331	x	x	5400N 5270E	E <sup>th</sup> Dh bn muds settled out over gravels at bottom of deep pool.	
975424	SS	60%	3m	/	/		/	6	14	18	x	53	x	8	212	x	x	5000N 4930E	Med bn - Dh bn muds fine grained - sandy some carbonaceous trash. No %	
975389	REASSAY OF BULK SAMPLES SIEVED								105	70	60	1	140	5/150	25/13	80	<5	10		
975390	TO - 80# ASSAYED								30	30	15	1	55	5/200	10/11	110	<5	10		
975391	BY ALS OLD.								20	25	50	1	85	5/300	25/18	280	<5	10		

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
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 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE 'EDGER

Tenement name ROCKY CAPE No. 177 sample numbers 975430 - Collected by GAL Sheet no. TWENTY-ONE  
 Area / Prospect DESTINATION CK Date 15.4.83 (150 AM)  
 Map / Photo reference ..... Analysed by ANLAGS (CODEE) DPO no. 30278  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations	
		ss*	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Bi	Ni	Cr	Ba	W			Sn
		oc	o/c sample type ***																		
		f	s sample type ****																		
975430	SS	ML	4m	✓	✓			30	35	40	x	x	10	15	387	x	4	S200N 400E	Same location as 975389 to test accuracy of initial assay.		
975431	DUPLICATE OF ABOVE ANALYSED MS.						OLD	30	60	35	1	<5	10	35		20	5				
975433	SS	3m	30m	✓	1m			10	5	15	x	x	5	70	212	x	3	S200N 400E	Same creek as above but actual gully where creek now flowing, med gully on north end of site.		
975432	DUPLICATE OF 975433 ANALYSED BY ALS.							10	20	10	<1	<5	5	20		10	10				

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 \*\*\* Outcrop sample type cs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 117 sample numbers 975701 Collector by GBU Sheet no. TWENTY-TWO  
 Area / Prospect DESTINATION CREEK Date 11/3/83  
 Map / Photo reference..... Analysed by ANALABS (COOEE) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %							Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au		
		o/c sample type ***															
		s sample type ****															
975701	S	HA	40cm	B <sub>2</sub> -C'				15	S	40	X	X	10			4800E	Med-lt gy clay with med yellow + gr-gy siltstone fragments some root contamination duplicate sample.
975702	S	HA	40cm	B <sub>2</sub> -C'				15	S	40	X	X	X				
975703	S	HA	50cm	C'				15	X	45	X	X	X			4825E	Pale gr-gy-yellow weathered siltstone underlying gy clays.
975704	S	HA	60cm	B <sub>2</sub>				15	S	30	X	X	X			4850E	Mainly yellow-bn clays minor siltstone frags
975705	S	HA	90cm	B <sub>2</sub> -C'				10	X	45	X	X	X			4875E	Gy-gr and bl-bn siltstones with med-bn clays
975706	S	HA	90cm	C'				10	X	50	X	X	X			4900E	Duplicate - weathered yellow + gy-gr common red-yellow siltstones and clays
975707	S	HA	90cm	C'				10	X	65	X	X	X				
975708	S	HA	50cm	C'				10	X	35	X	X	10			4925E	Gr-gy weathered siltstones under gy clay topsoil.
975709	S	HA	40cm	C'				S	X	35	X	X	X			4950E	Gy-gr and yellow siltstones minor gy clays.
975710	S	HA	40cm	C'				S	X	45	X	X	X			4960E	In clearing - v. acid? soil blue-gr siltstone occ. sl. yellow
975711	S	HA	15cm	C'				S	X	20	X	X	10			4975E	Gy-gr siltstones underlying a dk red-bn humus topsoil.
975712	S	HA	70cm	C-B <sub>2</sub>				S	X	65	X	X	X			5000E	Duplicate Blue-gr-gy weathered siltstones.
975713	S	HA	70cm	C-B <sub>2</sub>				S	X	55	0.5	X	X				

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type qs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE  
 Area / Prospect DESTINATION CREEK  
 Map / Photo reference A 02143

No. 375724

Collected by GSW

Sheet no. TWENTY-THREE

Date 11/3/93

Analysed by ANNARS (COEE)

DPO no. 30225

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %							Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au		
		o/c sample type ***															
		s sample type ****															
975724	S	HA	40cm	C-B <sub>1</sub>				S	X	45	0.5	X	X			4800N LINE	
975725	S	HA	15cm	C'				S	X	25	0.5	X	10			4750E	Yellow-br siltstone overlain by dk br clays.
975726	S	HA	60cm	C-B <sub>1</sub>				S	X	45	X	X	X			4775E	Gy-gr siltstones minor ref of
975727	S	HA	60cm	C-B <sub>1</sub>				S	S	35	0.5	10	X			4800E	Duplicate: Dk yellow br clays with gy-gr siltstone fragments.
975728	S	HA	80cm	B <sub>1</sub> -C'				S	X	20	0.5	X	10			4825E	Dk gy clays → gy-gr weathered siltstone
975729	S	HA	20cm	B <sub>2</sub> -C'				S	X	15	0.5	10	X			4850E	Gn-gr siltstones - pale br weathered siltstone some dk gy clays.
975730	S	HA	35cm	C'				S	X	35	X	X	X			4875E	Gy-gr weathered siltstones.
975731	S	HA	60cm	C'				10	X	70	0.5	X	X			4900E	Duplicate: Weathered gy-gr siltstone dk yellow-br weathered siltstone some al. sandy.
975732	S	HA	60cm	C'				S	X	60	0.5	X	X				
975733	S	HA	40cm	C'				S	X	35	X	X	X			4925E	Gy-gr + yellow siltstones
975734	S	HA	30cm	B <sub>2</sub> -C'				S	X	25	X	X	X			4950E	Dk br clays containing weathered siltstone fragments.
975735	S	HA	80cm	B <sub>2</sub> -C'				S	X	40	X	X	X			4975E	med purple br clays with yellow + gr-gy siltstone
975722								SEE 'BASE LINE' GEOCHEMICAL SAMPLE LEDGER							5000E		
975736	S	HA	15cm	B <sub>1</sub> -C'				S	X	30	0.5	X	X			5025E	med gy clays and gy-gr siltstone fragments.
975737	S	HA	40cm	C'				S	X	55	X	X	X			5050E	70% blue-gy-gr laminated weathered siltstone 30% med br clays.
975738	S	HA	15cm	B <sub>1</sub> -C'				S	X	25	X	X	X			5075E	Pale br clays over a al pale - med br clays containing siltstone particles.
975739	S	HA	20cm	B <sub>2</sub> '				S	S	25	X	X	X			500E	Duplicate: med br soil-loam - creek deposit
975740	S	HA	20cm	B <sub>2</sub> '				10	X	25	X	X	X				face of gy-gr siltstone.

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 \*\*\* Outcrop sample type os = orb sarnole rc = rock chip (state interval & lanorth) cs = channel s. mal (s. s. l. h.)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 117 sample numbers 975741 - Collected by (B.W.) Sheet no. TWENTY-FOUR  
 Area / Prospect DESTINATION CREEK Date 11/3/83  
 Map / Photo reference A 02143 Analysed by ANALABS (CODEE) DPO no. 30225

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		ss *	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Mo	Bi	Au		
		oc	o/c sample type ***															
		f	s sample type ****															
s																		
975741	S	HA	30cm	B <sub>2</sub> -C'					10	x	30	x	x	x			4800NWE	Pale gy clayey soil with gr-gy siltstone frags
975742	S	HA	10cm	B-C'					15	x	10	x	x	10			5150E	Med gy clay - weathered siltstone fragments
975743	S	HA	80cm	B <sub>1</sub> -C					10	x	40	x	x	10			5175E	Gy-gr and yellow - occ red-br specks 20% med gy clayey soils.
975744	S	HA	10cm	B-C'					10	x	40	x	x	x			5200E	Duplicate; Ground up weathered siltstones and 40% gy soil.
975745	S	HA	10cm	B-C'					10	x	45	x	x	x				
975746	S	HA	30cm	C'					S	S	70	x	x	x			5225E	Pale yellow weathered siltstones + mottled yellow-gy siltstones:
975747	S	HA	50cm	C'					15	x	25	x	x	x			5250E	Pale yellow-br + red-br occ gy-gr siltstones with occ brown - clean reef qtz.
975748	S	HA	70cm	B <sub>2</sub>					80	10	20	x	x	x			5275E	Pale yellow - mod yellow clays
975749	S	HA	35cm	C'					200	15	115	x	x	x			5300E	Duplicate: Yellow-br occ <sup>reddish</sup> weathered rock - probably Dolomite.
975750	S	HA	35cm	C'					185	25	100	x	x	10				
975751	S	HA	20cm	C'					170	15	95	x	x	x			5325E	Yellow-br → dk yellow br weathered dolomite
975752	S	HA	30cm	C'					65	15	40	x	x	x			5350E	Yellow br clays over weathered dolomite some white reef qtz.
975753	S	HA	90cm	B <sub>2</sub> -C'					20	15	20	x	x	x			5375E	Pale gr yellow - mod yellow - near contact?
975754	S	HA	40cm	B <sub>2</sub> -C'					S	S	40	x	x	x			5400E	Pale br (yellow + gy-red) frags of siltstone and pale yellow-br clays.

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)  
 \*\*\*\* C I

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE ' DGER

Tenement name ROCKY CAPE No. 777 sample numbers 975713 - 762 Collected by G.W. Sheet no. TWENTY-FIVE  
 Area / Prospect DESTINATION CREEK Date 11/3/83  
 Map / Photo reference ..... Analysed by ANALASS (COOEE) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au			
		o/c sample type ***																
		s sample type ****																
975714	S	HA	25m	C'				S	x	S	x	x	x			5000E	BASE LINE 4600N → 4800N → 5000N	
975715	S	HA	30m	C'				S	x	45	0.5	x	x			4650N	Gr-gy weathered siltstones overlain by dk gy clays	
975716	S	HA	30m	C'				S	x	45	0.5	x	10			4675N	Gr-gy weathered siltstones overlain by dk gy clays	
975717	S	HA	20m	C'				S	x	S	x	x	x			4700N	Duplicate. Dk gy clays overlap pale gy siltstones - minor clay contamination	
975718	S	HA	20m	C'				S	x	x	x	x	x			4725N	Dk gy clays overlap creamy-br weathered siltstones	
975719	S	HA	15m	C'				S	x	S	x	x	x			4750N	Pale gy-gy weathered siltstones some sl B <sub>2</sub> contamination.	
975720	S	HA	20m	C'				S	x	15	x	x	10			4775N	Dk gy clay and weathered gr-gy siltstones	
975721	S	HA	40m	B <sub>2</sub> C'				S	S	15	x	x	x			4800N	Pale gy clays occ. siltstone fragments gr-gy - Duplicate sample.	
975722	S	HA	35m	B <sub>2</sub>				S	x	25	0.5	10	x			4825N	Yellowst gy weathered siltstones and pale gy-br clays.	
975723	S	HA	35m	B <sub>2</sub>				S	S	45	x	x	x			4850N	10% frags of siltstone, 30% pale gy clayey soil	
975755	S	HA	50m	C-B <sub>2</sub>				S	S	50	x	10	x			4875N	Gr-gy weathered siltstones, occ yellowst red-brown pieces minor med-gy clayey soil.	
975756	S	HA	30m	C-B <sub>2</sub>				x	x	20	x	10	x			4900N	Minor light gy clayey soils mainly frags of yellow and gy-gy siltstones Duplicate	
975757	S	HA	30m	C'				S	x	25	x	x	x			4925N	Dk gy clay 30%; 10% gr-gy laminated siltstones	
975758	S	HA	50m	C'				S	S	15	x	x	x			4950N	Lt gy clays minor weathered gr-gy siltstones	
975759	S	HA	50m	C'				S	x	10	x	x	10			4975N	Blue-gy siltstones - sl. yellow when weathered.	
975760	S	HA	10m	B <sub>2</sub> '				S	x	10	x	x	10					
975761	S	HA	15m	B <sub>2</sub> '				S	x	10	x	x	10					
975762	S	HA	50m	C'				S	x	40	x	x	x					

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\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 Sample numbers 975765 - Collector by ESW Sheet no. TWENTY-SIX  
 Area / Prospect DESTINATION CREEK Date 11/2/83 - 12/3/83  
 Map / Photo reference ..... Analysed by ANALABS (COOE) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au			
		o/c sample type ***																
		s sample type ****																
975765	S	HA	20cm	C'				10	5	10	x	x	x			5000N LINE	4525E	Gy clays and weathered siltstone frags.
975766	S	HA	60cm	C'				10	5	25	x	10	x				4550E	Yellow and gy weathered siltstone and clays
975767	S	HA	80cm	B <sub>2</sub>				25	10	35	x	10	x				4575E	Med yellow clays
975768	S	HA	70cm	B <sub>2</sub> -C'				10	25	20	x	x	10				4600E	Duplicate; Pale yellow and gy-gr fragments
975769	S	HA	70cm	B <sub>2</sub> -C'				5	15	20	x	x	x					imod. yellow clays
975770	S	HA	80cm	C'				20	20	60	x	x	x				4625E	Med yellow clays with gy-gr and occ red br siltstone fragments.
975771	S	HA	85cm	C'				5	x	5	x	10	10				4650E	Pale gy clays and siltstone fragments.
975772	S	HA	15cm	C'-B'				15	10	50	x	x	10				4675E	Pale gy clays and 80% yellow and red weathered siltstone fragments - interesting?
975773	S	HA	40cm	B <sub>1</sub>				5	5	10	x	x	x				4700E	Duplicate; Dh gy siltstones and mainly gy-br clays.
975774	S	HA	40cm	B <sub>1</sub>				5	5	5	x	x	x					
975775	S	HA	30cm	B <sub>1</sub> -C'				10	x	25	x	x	x				4725E	Dh gy clays and blue-gy siltstones occ some yellow-br fragments.
975776	S	HA	40cm	B <sub>1</sub> -C'				5	25	40	x	x	x				4750E	Yellow-br and red siltstone - weathered and med dk gy clays.
975777	S	HA	15cm	B <sub>1</sub> -C'				5	10	5	x	x	x				4775E	Med gy clayey soils over pale gy siltstones.
975778	S	HA	15cm	B <sub>1</sub> -C'				5	x	20	x	x	x				4800E	Duplicate; Pale gy clays overlying shallow
975779	S	HA	15cm	B <sub>1</sub> -C'				5	x	20	x	x	x					light gy -> gy gr siltstones.
975780	S	HA	50cm	B <sub>1</sub> -C'				5	x	45	x	x	x				4825E	Pale gy clays overlying creamy-gy to br gy-gr weathered siltstone fragments.
975781	S	HA	70cm	C'				x	x	70	x	x	10				4850E	Pale-med br clays over pale gy-yellow weathered siltstones going deep yellow-gr.

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C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE  
 Area / Prospect DESTINATION CREEK  
 Map / Photo reference A 02143

No. 17 sample numbers 975782

Collected by CBW

Sheet no. TWENTY-SEVEN  
 Date 12/3/83  
 DPO no. 30225

Analysed by ANALABS (COSEE)

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au			
		o/c sample type ***																
		s sample type ****																
975782	S	HA	85m	C'				x	10	65	x	x	x				5000N LINE 4875E	Yellow-gr weathered siltstones in red on joints
975783	S	HA	90m	C'				15	5	55	x	10	x				4900E	Duplicate; Pale yellow br clays
975784	S	HA	90m	B'				5	5	45	x	x	x					
975785	S	HA	70m	C'				x	x	65	x	x	x				4925E	Gr-gr and pale yellow-br weathered siltstones
975786	S	HA	20m	B'				x	x	35	x	x	x				4950E	35% Pale yellow-gr clays over gr-gr siltstones
975787	S	HA	5m	B-C				x	x	40	x	x	x				4975E	Med gr clay over yellow and gr-gr siltstones - much %
975763	S	HA	20m	C'				5	x	25	x	x	10					
975764	S	HA	20m	C'				5	x	30	x	x	x				5000E	Pale gr-gr weathered siltstones - duplicate
975807	S	HA	5m	C'				x	x	20	x	x	x				5025E	Lt gr clays over weathered gr-gr siltstones
975806	S	HA	60m	C'				x	x	75	x	x	10				5050E	Gr-gr med weathered siltstones
975805	S	HA	30m	C'				x	x	45	x	x	x				5075E	Med gr clays over weathered blue-gr siltstones
975804	S	HA	60m	C'				x	x	40	x	x	x				5100E	Duplicate; Med gr clays over mottled yellow-red gr weathered siltstones
975803	S	HA	60m	C'				x	x	45	x	x	x					
975802	S	HA	40m	C'				x	x	20	x	x	x				5125E	Yellow weathered siltstones
975801	S	HA	15m	C'				x	x	35	x	x	x				5150E	Lt gr clays over yellow + gr weathered siltstones
975800	S	HA	30m	B'				x	x	15	x	x	x				5175E	Lt gr clays between %'s
975789	S	HA	70m	C'				x	x	80	x	x	x				5200E	Duplicate; Gr-yellow clays with frags of gr-gr + yellow siltstones
975788	S	HA	70m	C'				5	x	75	x	x	x					
975787	S	HA	75m	C'				25	x	85	x	x	x				5225E	Bright yellow clays containing weathered siltstone frags mainly gr-gr
975786	S	HA	80m	C'				20	x	75	x	x	x				5250E	Gr clays containing red-yellow weathered siltstones than med yellow siltstones

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 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 sample numbers 975795- Collected by GW Sheet no. TWENTY-EIGHT  
 Area / Prospect DESTINATION CREEK Date 12/3/83  
 Map / Photo reference ..... Analysed by ANALABS (COEE) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %							Grid ref	Geological Observations		
		ss *	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Mo	Bi			Au	
		oc	o/c sample type ***																
		f	s sample type ****																
975795	S	HA	5m	C'					S	x	135	x	x	x			5000N	LINE	
975794	S	HA	80m	C'					S	x	55	x	x	10			5300E		Duplicate; Yellow-gr clays & frags of yellow + gr-gy weathered siltstones.
975793	S	HA	80m	C'					x	x	55	x	x	10					Yellow stained reef qtz with slightly yellowish gy clays.
975792	S	HA	10m	B <sub>2</sub> '					S	x	20	x	x	x					Yellow stained reef qtz with slightly yellowish gy clays.
975791	S	HA	30m	B <sub>2</sub> '					15	x	20	x	x	x					Yellow gy clays containing yellowish reef qtz.
975790	S	HA	15m	B <sub>2</sub> '					65	x	30	x	x	x					Yellow clays containing much reef qtz some of which is Rose qtz - on diorite?.
975789	S	HA	30m	B <sub>2</sub> '					50	10	25	x	x	x					Duplicate; Yellowish clays containing much reef qtz material.
975788	S	HA	30m	B <sub>2</sub> '					45	15	30	x	x	x					

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE

No. 177 sample numbers 975808 -

Collected by GBW

Sheet no. TWENTY-NINE

Area / Prospect DESTINATION CREEK

Date 12/3/83

Map / Photo reference A 02143

Analysed by ANALABS (COOEE)

DPO no. 3025

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	B	Au			
		o/c sample type ***																
		s sample type ****																
975808	S	HA	'B'	35cm				30	10	75	x	x	x			5200N	LINE.	
975809	S	HA	'B'	35cm				30	x	70	x	x	x			5400E	Duplicate; minor siltstone? or dolomite? very weathered uncertain within lt. purple-gy clays.	
975810	S	HA	'B'	30cm				5	x	25	x	x	x			5375E	Yellow-bn clays c reef qtz.	
975811	S	HA	40cm	'C'				5	x	85	x	x	x			5350E	Yellow gy-gr weathered siltstones.	
975812	S	HA	85cm	'C'				x	x	60	x	x	x			5325E	Blue-gr weathered of sandy siltstones minor dk gy clay.	
975813	S	HA	80cm	'C'				x	x	70	x	x	x			5300E	Duplicate; dk gy clays c qtz - reef material the weathered gr-gr, gy+yellow siltstones - sampled	
975814	S	HA	80cm	'C'				x	x	80	x	x	x			5275E	Dk gy clays + reef qtz at 60cm overlying weathered bla-gr-gy siltstones	
975815	S	HA	60cm	'C'				x	x	60	x	x	x			5250E	Weathered pale creamy gy siltstones.	
975816	S	HA	15cm	'B+C'				5	x	45	x	x	10			5225E	Mod yellow clay over gy-gr siltstones.	
975817	S	HA	80cm	'B'				x	x	50	x	x	x			5200E	Duplicate; Pale-mod yellow clays minor siltstone fragments	
975818	S	HA	80cm	'B'				x	x	50	x	x	x			5175E	Weathered yellow, red siltstones which were overlain by pale gy-yellow clays.	
975819	S	HA	50cm	'C'				5	x	55	x	x	x			5150E	Pale yellow weathered siltstones	
975820	S	HA	35cm	'C'				x	x	75	x	x	x			5125E	Bright yellow and gy-gr siltstones	
975821	S	HA	25cm	'C'				x	x	55	x	x	x			5100E	Duplicate; Weathered pale gy siltstones overlain by dk gy clays	
975822	S	HA	30cm	'C'				x	x	30	x	x	x			5075E	Weathered gy-gr siltstones.	
975823	S	HA	30cm	'C'				x	x	10	x	x	x			5050E	Gy-gr weathered siltstones.	
975824	S	HA	30cm	'C+B'				x	x	10	x	x	x					
975825	S	HA	50cm	'C'				x	x	60	x	10	x					
975826	S	HA	40cm	'C'				x	x	75	x	x	10					

\* Sample type ss = stream sediment oc = outcrop f = float s = soil

\*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2

\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE

No. 177 sample numbers 975827

Collected by GCW

Sheet no. THIRTY

Area / Prospect DESTINATION CREEK

Date 12/3/83

Map / Photo reference

Analysed by ANALABS (COOEE)

DPO no. 30225

A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %							Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au		
		o/c sample type ***															
		s sample type ****															
975827	S	HA	15m	B <sub>2</sub> -C				X	X	30	X	X	X			5200N LINE	
975828	S	HA	30m	B <sub>2</sub> -C				X	X	55	X	X	10			5000E	Duplicate; med gy clays over yellow + gr-gy siltstones
975829	S	HA	30m	B <sub>2</sub> -C				X	X	40	X	X	10				gr-gy siltstones
975830	S	HA	75m	B <sub>2</sub> -C				20	X	95	X	X	X			437SE	Bright yellow clays & siltstone particles
975831	S	HA	75m	C				X	X	70	X	X	10			4950E	Weathered, yellow, gr-gy + gy siltstones mainly yellow.
975832	S	HA	35m	B <sub>2</sub> -C				X	X	35	05	X	X			4925E	dk gy clays and weathered siltstone frag
975833	S	HA	40m	B <sub>2</sub> -C				X	X	60	X	X	X			4900E	Duplicate; Gy-gy weathered siltstones occ med gy clays
975834	S	HA	40m	B <sub>2</sub> -C				X	X	75	X	X	X				
975835	S	HA	50m	C				X	X	70	X	X	X			447SE	Yellow-gy weathered siltstones under med-dk yellow-gy clays
975836	S	HA	30m	C				X	X	75	X	X	10			4850E	Med gr-gy clays - weathered siltstones
975837	S	HA	30m	C				X	X	65	X	X	X			4825E	Gy-gy yellow weathered siltstone clays underlying med gy-br clays
																E.O.L.	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil

\*\* Stream sed, sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2

\*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 sample numbers 975838 - Collected by (GS) Sheet no. THIRTY-ONE  
 Area / Prospect DESTINATION CREEK Date 13/3/83  
 Map / Photo reference ..... Analysed by ANALABS (CODEE) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %							Grid ref	Geological Observations	
		ss *	fl	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Mo	Bi			Au
		oc	o/c sample type ***															
		f	s sample type ****															
975838	S	HA	40m	B <sub>2</sub>					X	X	10	X	X	X			S400N	LINE.
975839	S	HA	40m	B <sub>1</sub>					X	X	10	X	X	10			S400E	Duplicate; Pale grey weathered siltstone overlain by dk gy-bn clays.
975840	S	HA	20m	B <sub>1</sub> -C					X	X	10	X	X	10			S375E	Dk gy clays overlying pale gr-gy weathered siltstone.
975841	S	HA	15m	C					X	X	10	X	X	10			S350E	Mainly pulverised weathered pale creamy-gy laminated siltstone with some dk gy clays.
975842	S	HA	50m	B <sub>1</sub>					X	X	10	X	X	X			S325E	Med-dk gy-bn clay; reef of gr-yellow weathered siltstone.
975843	S	HA	70m	C					10	X	60	X	X	X			S300E	Duplicate; Pale yellow green weathered siltstone overlain by med. gy-bn clays.
975844	S	HA	70m	C					10	X	55	0.5	X	10			S275E	Med + pale yellow weathered siltstone.
975845	S	HA	75m	C					S	X	60	0.5	X	X			S250E	Weathered gr-gy + yellow siltstone overlain by med gy-bn siltstone.
975846	S	HA	40m	B <sub>1</sub> -C					X	X	85	X	X	20			S225E	Weathered creamy-gy siltstone near %.
975847	S	HA	10m	C					X	X	10	X	X	10			S200E	Yellow-bn + yellow-bn - min. gy-gr weathered siltstone same pale cream siltstone.
975848	S	HA	75m	C					X	X	50	X	X	X			S175E	Pale cream weathered siltstone and med gy-bn clays near %.
975849	S	HA	75m	C					S	X	20	X	X	10			S150E	Weathered yellow and gy-gr siltstone with med-dk gy clays.
975850	S	HA	15m	B <sub>1</sub> -C					X	X	40	X	X	X			S125E	Weathered gy-gr siltstone.
975851	S	HA	20m	B <sub>1</sub> -C					X	X	30	X	X	X			S100E	Duplicate; Blue-gy weathered siltstone underlying dk gy clays.
975852	S	HA	20m	C					X	X	60	X	X	X				
975853	S	HA	40m	B <sub>1</sub> -C					S	X	50	X	X	10				
975854	S	HA	40m	B <sub>1</sub> -C														

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 sample numbers 975855 - Collected by CSU Sheet no. THIRTY-TWO  
 Area / Prospect DESTINATION CREEK Date 13/3/83  
 Map / Photo reference ..... Analysed by ANALABS (CODEE) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		ss *	ft	wi	al	co	ca		pH	Cu	Pb	Zn	Ag	Mo	Bi	Au		
		o/c sample type ***																
		s sample type ****																
975855	S	HA	70m	'C'				X	X	70	X	X	X			5400N	LINC	
975856	S	HA	90m	'C'				X	X	55	X	X	X			5050E	Dk gy clay then weathered pale gy-gal yellowish siltstones.	
975857	S	HA	70m	'C'				S	X	75	X	X	X			5025E	Yellowy gn-gy siltstones.	
975858	S	HA	80m	'C'				X	X	55	X	X	10			5000E	Weathered yellow-bn siltstones under	
975859	S	HA	80m	'C'				X	X	60	X	X	X				mod bn-gy clays.	
																	F.O.L.	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R.A. EXPLORATION . GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 Sample numbers 975860 Collected by GSEW Sheet no. THIRTY-THREE  
 Area / Prospect DESTINATION CREEK Date 14/3/83  
 Map / Photo reference ..... Analysed by ANALABS (GOSF) DPO no. 30225  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %								Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Mo	Bi	Au			
		o/c sample type ***																
		s sample type ****																
975860	S	HA	90m	C'				x	x	70	x	x	x				S00N LNE	
975861	S	HA	40m	C'				x	x	25	x	x	x				S07SE	Dk gy clays overlying gy-gr siltstones
975862	S	HA	40m	C'				x	x	25	x	x	x				S100E	Duplicate; Dk gy clays overlying pale green-yellow weathered siltstones.
975863	S	HA	10m	C'				x	x	15	x	x	x				S12SE	Pale yellow + gr-gy weathered siltstone frags
975864	S	HA	10m	C'				x	x	35	x	x	10				S150E	Med-dk gy-yellow + sl. gr-gy weathered siltstones.
975865	S	HA	15m	C'				x	S	80	x	x	x				S17SE	Med yellow + gr-gy weathered siltstones.
975866	S	HA	45m	B-C'				S	x	60	x	x	x				S200E	Duplicate; med dk gy clays overlying pale gr-gy weathered siltstones.
975867	S	HA	45m	B-C'				x	x	55	x	x	10				E.O.L.	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type os = arab sample rc = rock chip (state interval & length) cs = channel sample ( + + + )

C.R.A. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 Sample numbers 375428 - Collected by GBW Sheet no. THIRTY-FOUR  
 Area / Prospect REGIONAL STREAM SEDIMENT SAMPLING Date 13.04.83  
 Map / Photo reference ..... Analysed by ANALABS (COOFE) DPO no. 30228  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %											Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Bi	Ni	Cr	Ba	W	Sn			
		o/c sample type ***																			
		s sample type ****																			
375428	SS	10.2	1m	✓	✓			20	40	120	x	x	25	100	593	x	4	346308	Destination Creek - flowing fast not good site - very gravelly sample - mainly quartz + reef of minor siltstones - sl. py. mica fine mds.		
375429	SS	8m/h	1m	✓	✓			15	10	60	x	10	15	55	336	x	x	341307	400m W down Pieman River - first creek W of Destination Creek - creek very full more silt + fine mds, quartz, reef of and siltstones		

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type ns = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

C.R. EXPLORATION GEOCHEMICAL SAMPLE REGISTER

Tenement name ROCKY CAPE No. 177 Sample numbers 975395 - Collected by (GGL) Sheet no. THIRTY-FIVE  
 Area / Prospect REGIONAL STREAM SEDIMENT SAMPLING Date 7:2:83  
 Map / Photo reference ..... Analysed by ANALABS (COOEE) DPO no. 20229  
 A 02143

Sample No.	Type	ss channel **						Carbon	Metal content ppm or %										Grid ref	Geological Observations
		fl	wi	al	co	ca	pH		Cu	Pb	Zn	Ag	Cr/Bi	Ni	Au	Ba	W	Sn		
		o/c sample type ***																		
		s sample type ****																		
975395		0.1	20m	✓			minor	7	5	20	x	160/x	11	-	x	x	220	304303	Small Tails of Ford Cr - white silty sands some mica lenses - much Tertiary gravels Sn elevated?	
975396		0.4	1.5m	✓				6	29	25	x	155/x	10	-	270	x	320	303920	Main Creek - reef qtz - gss shales over brown shales - micaceous sands - sample dug from midstream - fair site	
975397		0.2	1m	✓				6	17	22	x	181/x	11	-	190	x	25	303918	Drains large group trees to S - dolomite dykes? Siltstone + gss	
975398		0.2	2m	✓				7	27	21	0.1	171/x	11	-	220	15	35	325298	V. flat plain rounded Tert. gravels qtz + reef qtz	
975399		0.1	2m	✓				7	17	22	x	280/x	11	-	110	15	30	325299	V. flat 10m above it with last sample muddy guts + Tert. gravels	

\* Sample type ss = stream sediment oc = outcrop f = float s = soil  
 \*\* Stream sed. sample description fl = flow m3/sec wi = width m al = alluvial co = colluvial ca = catchment km2  
 \*\*\* Outcrop sample type gs = grab sample rc = rock chip (state interval & length) cs = channel sample (state length)

APPENDIX TWO

GEOPHYSICAL REPORT



## CRA EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

LEVEL 4, BELLERIVE QUAY,  
CAMBRIDGE ROAD, BELLERIVE, 7018, TASMANIA, AUSTRALIA

538060

P.O. BOX 138  
BELLERIVE 7018  
TELEGRAMS: CRAEX  
TELEX: AAS7144  
TELEPHONE: 44 3533  
AREA CODE: (002)

IN REPLY PLEASE QUOTE

24th May, 1983.

Memorandum To: G.WEBER

Copy: T.W.DICKSON

From: M.F.FLIS

Subject: GROUND MAGNETICS ON THE DESTINATION CK.  
AND INTERVIEW GRANITE GRIDS, ROCKY CAPE  
E.L. 1/77INTRODUCTION

Both the Destination Ck. and Interview Granite grids were covered by ground magnetometry. The areas were selected from the West Coast Department of Mines aeromagnetic survey.

Destination Ck.

Approximately five and a half kilometres of gridding and magnetometry were completed on this grid. The magnetics were reduced and plotted as contours on Plan TASH 1369.

A zone of disturbed and contorted magnetics is evident trending approximately 35° TN, this zone is taken as representing the aeromagnetic anomaly. The magnetic signature is reminiscent of an area of shearing and/or jointing containing ubiquitous magnetic minerals (magnetite has been noted in various locations). Dominant lithology is cleaved siltstones.

Interview Granite

Approximately six kilometres of ground magnetics were surveyed and reduced. Plan TASH 1388 is a contour plan of the magnetics.

The grid is dominated by a 500nT anomaly occurring within a magnetic zone trending 93° TN (parallel to regional strike). The anomaly occurs within country rocks (Precambrian siltstones) on the eastern contact of the Interview Granite.

Modelling by inversion techniques indicates the anomaly is relatively shallow: 49m for the TABULAR model (infinite depth extent 2D dyke) or 34m for the RIBBON model (very thin dyke with limited depth extent). Both models fitted a dip into the granite although, due to the orientation of the grid with respect to the anomalous trend and the position of adjacent magnetic lows, this may be in error.

Attachment I contains the outputs for both models.

### RECOMMENDATIONS AND CONCLUSIONS

The aeromagnetic anomaly mapped on the Destination Ck. grid is due to lithology, shearing and/or jointing with secondary (magnetite) mineralisation. No further work is recommended.

Ground magnetometry on the Interview Granite grid indicates a localisation of magnetic materials adjacent to the granite contact. Modelling suggests an appropriate "ore-body dimension" causitive body. In able to obtain a more reliable model it is recommended that a line of ground magnetics be completed over the anomaly's peak in a magnetic north-south direction. This line should be centred on 4800mN, 4775mE, have a total length of at least 800m with a station spacing of 10m. A pole-mounted sensor must be used.

MARCUS FLIS

NRGM06 PLOT OF FIT 1

1117.-

917.-

717.-

517.-

317.-

MODEL TABULAR

TITLE INTERVIEW GRANITE LINE 4

NUMBER OF STATIONS 41 MAX AMPLITUDE 541. X INCREMENT 2 COLUMNS PER STATION. Y INCREMENT OF 20. GAMMAS PER LINE.  
 FIELD DATA CURVE...X\*X FITTED CURVE...X\*X ERROR CURVE...X.X  
 NORMALIZED WEIGHTED STANDARD DEVIATION OF FIT .0857 PARFIT FLAG 2 ERROR CURVE DATA 817.000

DERIVATIVE MATRIX

0.21E+00 - .34E+02 0.10E+02 - .22E+04 - .51E+01 0.41E+02 0.10E+02  
 2.37E+00 - .39E+02 0.10E+02 - .20E+04 - .45E+01 4.58E+02 0.12E+02

ITERATION NUMBER 16  
 \*\*\*\*\*

NORMALIZED WEIGHTED STANDARD DEVIATION OF FIT 0.0857

ITERATION NUMBER 16  
 \*\*\*\*\*

PARAMETER KEY	START	LIMITS		FITTED	TOLERANCE	RANGE
MAGNET	1	1.070E+03	1.0E+02 3.0E+03	1.311E+03	2.0E+00	1.7E+02
DIP	1	9.000E+01	5.0E+00 1.8E+02	1.359E+02	1.0E+00	5.5E+00
BASE LEVEL	1	3.500E+02	3.0E+02 5.0E+02	3.259E+02	1.0E+00	3.0E+01
BASE SLOPE	1	2.000E-01	0.0E-01 0.0E-01	1.840E-01	1.0E+00	1.0E-01
POSITION	1	4.775E+03	4.7E+03 4.9E+03	4.773E+03	1.2E+01	1.4E+01
HALF WIDTH	2	1.000E+01	5.0E+00 3.0E+02	6.919E+00	1.0E+00	0.0E-01
DEPTH	1	5.000E+01	0.0E-01 3.0E+02	4.903E+01	2.0E+00	8.8E-01
DECLNATN	0	-7.200E+01	0.0E-01 0.0E-01	-7.200E+01	0.0E-01	0.0E-01
DECLNATN	0	5.900E+01	0.0E-01 0.0E-01	8.900E+01	0.0E-01	0.0E-01
VERTICAL	0	0.000E-01	0.0E-01 0.0E-01	0.000E-01	0.0E-01	0.0E-01
TRAV DIR	0	1.290E+02	0.0E-01 0.0E-01	1.290E+02	0.0E-01	0.0E-01

POSITION WEIGHT OBS FITTED

4550.0000	10.00	346.	317.
4575.0000	10.00	374.	332.
4600.0000	10.00	374.	350.
4625.0000	10.00	382.	376.
4650.0000	10.00	401.	412.
4675.0000	10.00	438.	465.
4700.0000	10.00	500.	542.
4712.5000	10.00	561.	592.
4725.0000	10.00	639.	649.
4738.0000	10.00	740.	711.
4750.0000	10.00	773.	765.
4753.0000	10.00	851.	810.
4775.0000	10.00	858.	832.
4787.0000	10.00	838.	832.
4800.0000	10.00	749.	808.
4812.0000	10.00	712.	771.
4825.0000	10.00	690.	725.
4838.0000	10.00	672.	678.
4850.0000	10.00	658.	639.
4875.0000	10.00	638.	572.
4900.0000	10.00	618.	525.
4925.0000	10.00	562.	492.
4950.0000	10.00	515.	470.
4975.0000	10.00	453.	454.
5000.0000	10.00	411.	444.
5025.0000	10.00	391.	436.
5050.0000	10.00	359.	432.
5075.0000	10.00	317.	429.
5100.0000	10.00	325.	427.
5125.0000	10.00	345.	426.
5150.0000	10.00	372.	426.
5175.0000	10.00	404.	427.
5200.0000	10.00	435.	428.
5225.0000	10.00	459.	430.
5250.0000	10.00	487.	431.
5275.0000	10.00	490.	434.
5300.0000	10.00	494.	435.
5325.0000	10.00	488.	439.
5350.0000	10.00	472.	441.
5375.0000	10.00	452.	444.
5400.0000	10.00	434.	447.

NORMALIZED WEIGHTED STANDARD DEVIATION OF FIT 0.0862

062

538063

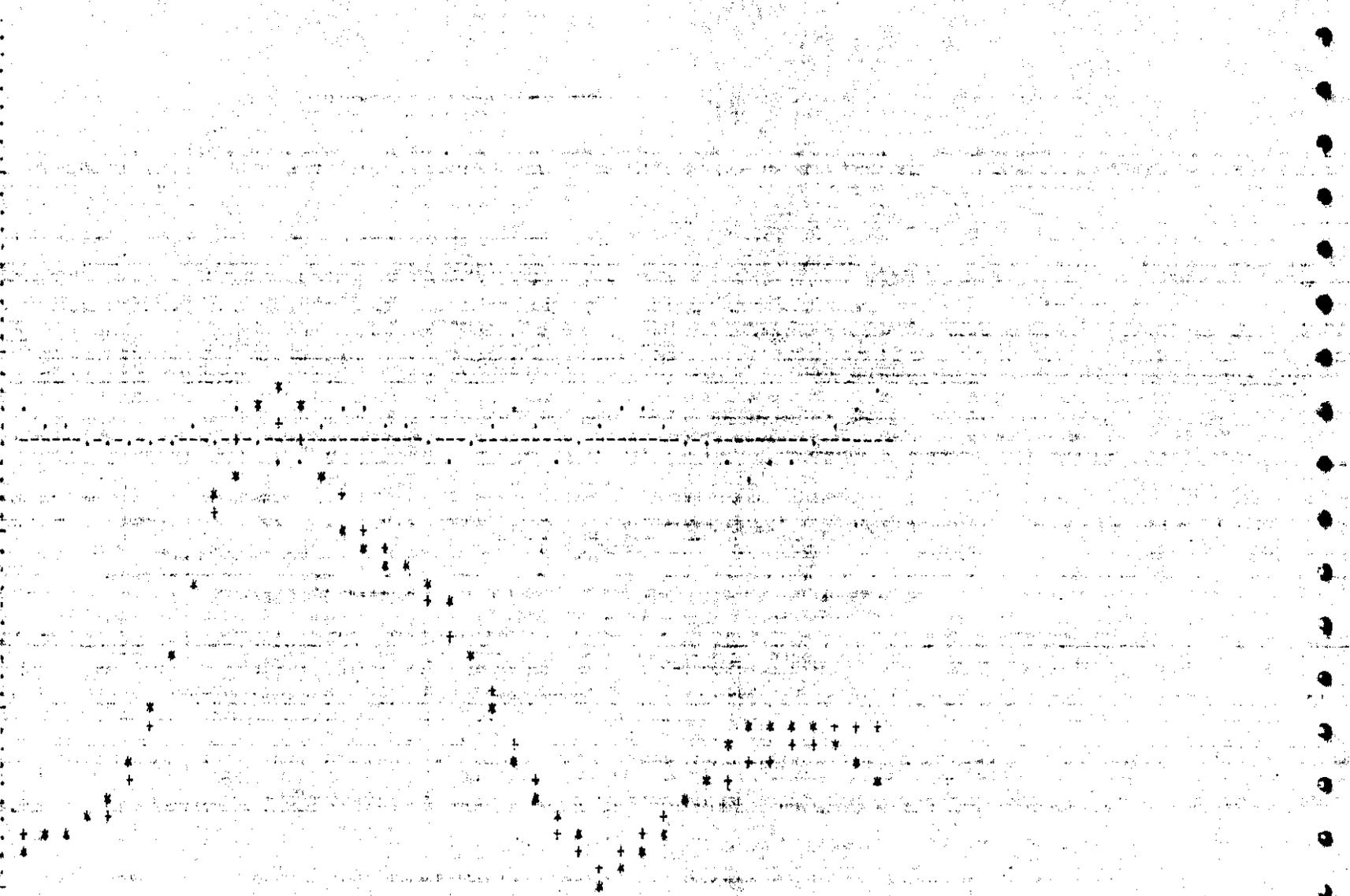
1117.-

747.-

717.-

517.-

317.-



MODEL RIBBON TITLE INTERVIEW GRANITE LINE 4

NUMBER OF STATIONS 41 MAX AMPLITUDE 341 X INCREMENT 2 COLUMNS PER STATION Y INCREMENT OF 20 GAMMAS PER LINE.

FIELD DATA CURVE...% FTTED CURVE...% ERROR CURVE...%.

NORMALIZED WEIGHTED STANDARD DEVIATION OF FIT .0388 PARFIT FLAG 2 ERROR CURVE DATUM 817.000

DERIVATIVE MATRIX

- .40E-01	- .55E+01	0.10E+02	- .19E+04	- .41E+00	- .79E+00	0.75E+01
- .43E-01	- .83E+01	0.10E+02	- .17E+04	- .61E+00	- .84E+00	0.10E+02
- .45E-01	- .11E+02	0.10E+02	- .14E+04	- .13E+01	- .89E+00	0.14E+02

ITERATION NUMBER 24

\*\*\*\*\*

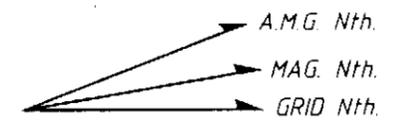
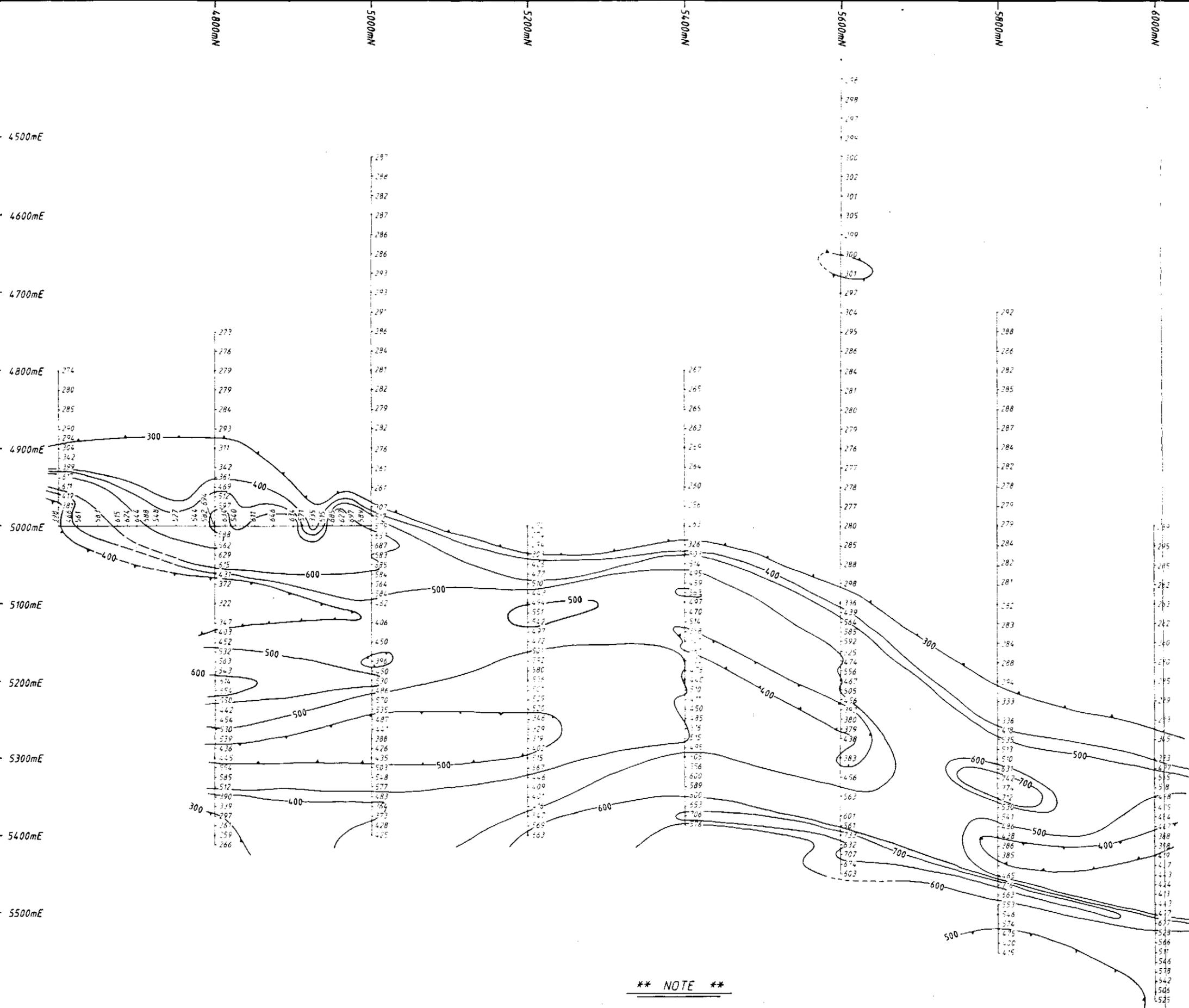
PARAMETER KEY	START	LIMITS		FITTED	TOLERANCE	RANGE
MAGNET	1	1.070E+04	1.0E+02	3.0E+05	7.498E+03	2.0E+00 5.6E+02
DIP	1	9.000E+01	5.0E+00	1.8E+02	1.700E+02	1.0E+00 3.3E+00
BASE LEVEL	1	3.500E+02	3.0E+02	5.0E+02	4.297E+02	1.0E+00 1.3E+01
BASE SLOPE	1	2.000E-01	0.0E-01	0.0E-01	1.365E-01	1.0E+00 4.2E-02
POSITION	1	4.775E+03	4.7E+03	4.9E+03	4.745E+03	1.2E+01 5.6E+00
WIDTH	1	1.000E+01	5.0E+00	3.0E+02	1.789E+02	1.0E+00 1.4E+01
DEPTH	1	5.000E+01	0.0E-01	3.0E+02	3.423E+01	2.0E+00 3.5E+00
INCLNATH	0	-7.200E+01	0.0E-01	0.0E-01	-7.200E+01	0.0E-01 0.0E-01
DECLNATH	0	8.900E+01	0.0E-01	0.0E-01	8.900E+01	0.0E-01 0.0E-01
VERTICAL	0	0.000E-01	0.0E-01	0.0E-01	0.000E-01	0.0E-01 0.0E-01
TRAU DIR	0	1.290E+02	0.0E-01	0.0E-01	1.290E+02	0.0E-01 0.0E-01

POSITION WEIGHT OBS FITTED

4550.0000	10.00	346.	373.
4575.0000	10.00	374.	374.
4600.0000	10.00	374.	374.
4625.0000	10.00	382.	381.
4650.0000	10.00	401.	393.
4675.0000	10.00	438.	422.
4700.0000	10.00	500.	494.
4712.5000	10.00	561.	557.
4725.0000	10.00	638.	641.
4738.0000	10.00	740.	735.
4750.0000	10.00	773.	805.
4763.0000	10.00	851.	839.
4775.0000	10.00	858.	836.
4787.0000	10.00	838.	811.
4800.0000	10.00	769.	776.
4812.0000	10.00	712.	743.
4825.0000	10.00	690.	711.
4838.0000	10.00	672.	683.
4850.0000	10.00	658.	661.
4873.0000	10.00	638.	623.
4900.0000	10.00	618.	591.
4925.0000	10.00	562.	558.
4950.0000	10.00	515.	520.
4975.0000	10.00	453.	473.
5000.0000	10.00	411.	419.
5025.0000	10.00	391.	370.
5050.0000	10.00	359.	341.
5075.0000	10.00	317.	336.
5100.0000	10.00	325.	347.
5125.0000	10.00	345.	366.
5150.0000	10.00	372.	385.
5175.0000	10.00	404.	403.
5200.0000	10.00	435.	419.
5225.0000	10.00	459.	433.
5250.0000	10.00	487.	445.
5275.0000	10.00	490.	456.
5300.0000	10.00	494.	465.
5325.0000	10.00	488.	473.
5350.0000	10.00	472.	481.
5375.0000	10.00	452.	487.
5400.0000	10.00	434.	494.

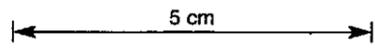
064

538065



**\*\* NOTE \*\***

Base 62,000 nT  
 Contour Interval: 100nT  
 G-836 MAGNETOMETER  
 Observer G WEBER



CRA EXPLORATION PTY. LIMITED	
ROCKY CAPE E.L. 1/77	
DESTINATION CREEK	
TOTAL MAGNETIC INTENSITY	
Ref:	SK55 - 3
Scale:	1 : 5000
Author:	M. F. F.
Date:	27 - 4 - 1983
Drawn:	R. T.
Report N°	
Plan N°	TASH 1369



**CRA EXPLORATION PTY. LIMITED**

**ROCKY CAPE E.L. 1/77**  
**INTERVIEW GRANITE**  
**TOTAL MAGNETIC INTENSITY**

Ref: SK55 - 3	
Scale: 1 : 5 000	Drawn: R. T.
Author: M. F. F.	Report N°.
Date: 24 - 5 - 1983	Plan N° TASH 1388

**\*\* NOTE \*\***  
 Base: 62 000nT  
 Contour Interval: 50nT  
 G-836 MAGNETOMETER  
 Observer: G.B. WEBER

APPENDIX THREE

PETROLOGICAL DESCRIPTIONS

# Central Mineralogical Services



39 Beulah Road  
Norwood, S.A. 5067  
Telephone 42 5659

Mr. G.B. Weber  
Senior Geologist  
C.R.A. Exploration Pty. Ltd.  
P.O. Box 138  
BURNIE / TAS. 7320

12th May, 1983

## REPORT CMS 83/5/3

YOUR REFERENCE:	D.P.O. No. 30230
DATE RECEIVED:	4th May, 1983
SAMPLE NOS.:	3 Samples
SUBMITTED BY:	G.B. Weber
WORK REQUESTED:	Petrology

Copy to:  
The Chief Geologist  
C.R.A. Exploration Pty. Ltd.  
G.P.O. Box 384D  
MELBOURNE / VIC. 3001

H.W. Fander, M. Sc.

Copy & Invoice to:  
Administration Officer  
C.R.A. Exploration Pty. Ltd.  
P.O. Box 138  
ROSNY PARK / TAS. 7018

REPORT CMS 83/5/3975 448

(T.S. 45868)

(SOUTH OF  
INTERVIEW -  
PINNACLES  
EL 34/80)

This rock can be classified as an altered microgabbro representing either a basic minor intrusive or the core zone of a relatively thick flow, depending on field relationships.

Major constituents are epidote-sericite(-"saussurite")stained albite pseudomorphs of plagioclase laths and chlorite pseudomorphs after subprismatic to subophitic pyroxene. The chlorite represents a retrograde replacement of uralitic (i.e. pyroxene-pseudomorphous) actinolite which persists locally as corroded relics. Leucoxenised opaques are disseminated throughout and traces of apatite occur as ultrafine subacicular particles associated with a sparse epidote-stained albitic mesostasis.

The late chloritic alteration is stress-related. The generally distinct relict "doleritic" (subophitic) fabric is locally obscured by chloritic fractures grading into zones of semi-mylonitic granulation. The sectioned area includes rare ultrafine, partly oxidised pyrite particles and possibly minor traces of oxidised chalcopyrite.

975 661

(T.S. 45869)

(DESTINATION  
CREEK  
EL 1/17)

4360N  
5000E

This sample is representative of a chloritic slate or, strictly, a fine-grained phyllite.

The rock is weakly lenticularly banded (primarily a weakly silty shale-parted argillaceous siltstone) and consists largely of fine to semi-sericitic muscovite with intergrown quartz, accessory poorly twinned albite, and more or less pervasive chlorite which is partly pseudomorphous after metamorphic biotite, consistent with a mild retrogression from mid- to low-greenschist facies. Relict detrital apatite, zircon, and overgrown schorl are thinly disseminated throughout. Magnetite euhedra comprise 1-2 % of the rock, are of "metablastic" habit (i.e. metamorphically crystallized) with incipient pressure shadows, and apparently represent recrystallized detrital opaques. These are accompanied by relatively conspicuous fine silt-sized leucoxenic semi-opaques. There are no detectable sulphides.

This rock is broadly arkosic. There are no tangible pyroclastic or volcanomict features, although finer detail is obscured by metamorphic features.

975 662

(T.S. 45870)

(SILVER REWARD  
AREA  
EL 36/80)

This rock is analogous to 975661, and is similarly classified as a retrogressively chloritised phyllite. In contrast, this metasediment is now feldspathic and is derived from a relatively mature siltstone.

Major constituents are subpolygonal/weakly directed quartz and subordinate biotite-pseudomorphous chlorite. Accessories include semi-sericitic muscovite and very thinly disseminated martitised/oxidised magnetite, along with traces of relict detrital zircon, schorl and leucoxenic semi-opaques.

A faint relict microscale bedding lamination is essentially paralleled by the weak primary phyllitic fabric, and is locally enhanced by sericitic lenses. A secondary cleavage intersects these features at a high angle.

Patchy Fe-staining reflects partial weathering of the phyllosilicates. There is no detectable sulphide component.

D. Cowan, B. Sc.

● SMITHTON

E.L. 1/77

E.L. 12/80

E.L. 36/80

SANDY CAPE  
E.L. 56/80  
E.Z. INDUSTRIES

● SAVAGE RIVER

E.L. 13/81  
G. ABIGANO

PIEMAN RIVER

ROSEBERY ●

538072

5 cm

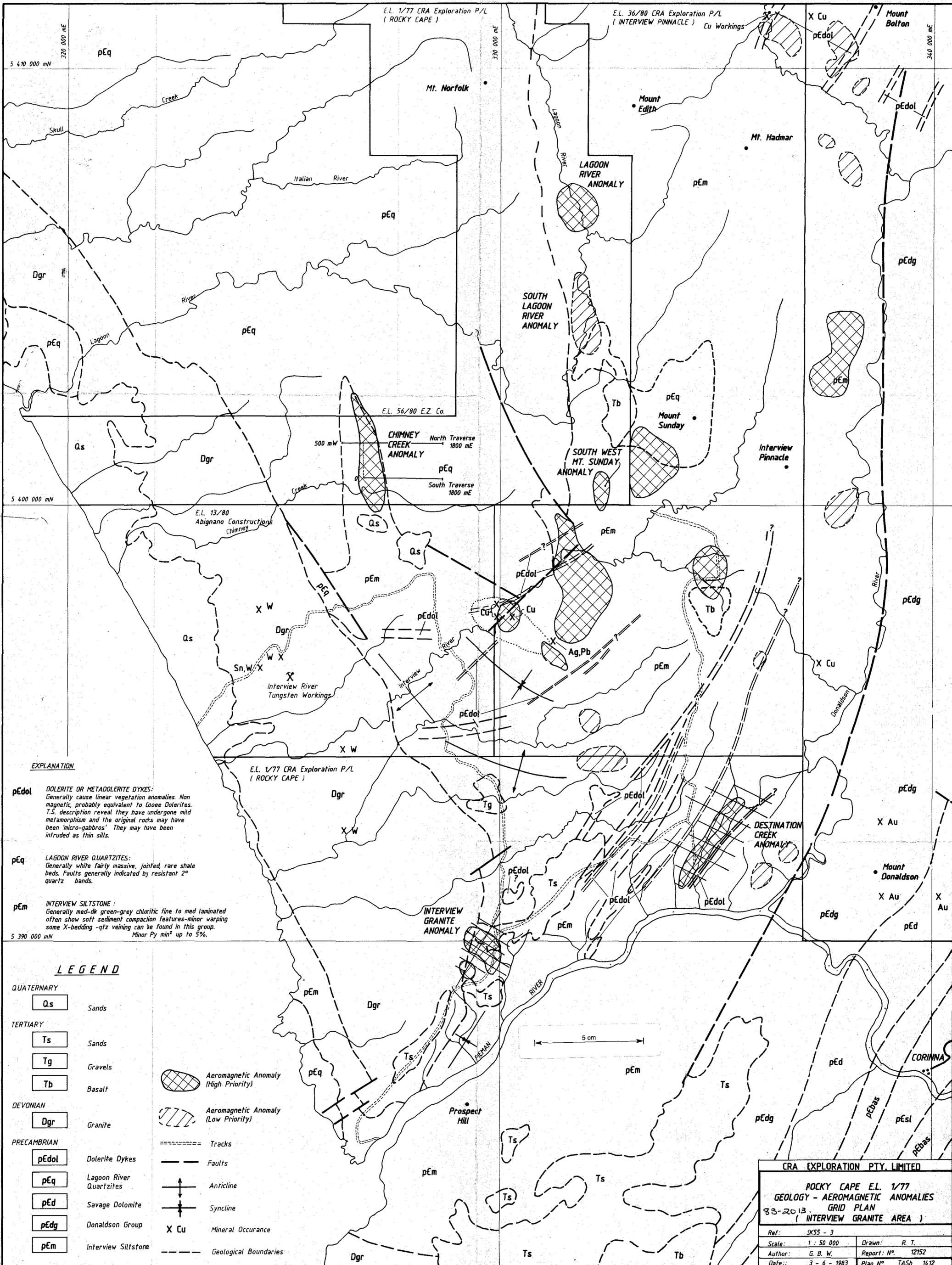
 AREA OF EXPLORATION

CRA EXPLORATION PTY. LIMITED

E.L. 1/77  
ROCKY CAPE AREA  
AREA OF EXPLORATION

83-2013

Ref: SK55 - 3	
Scale: 1 : 500 000	Drawn: R. T.
Author: G. B. W.	Report N°: 12152
Date: 6 - 6 - 1983	Plan N°: TASH 1415



**EXPLANATION**

**pEdol** DOLERITE OR METADOLERITE DYKES:  
Generally cause linear vegetation anomalies. Non magnetic, probably equivalent to Coee Dolerites. T.S. description reveal they have undergone mild metamorphism and the original rocks may have been 'micro-gabbros'. They may have been intruded as thin sills.

**pEq** LAGOON RIVER QUARTZITES:  
Generally white fairly massive, jointed rare shale beds. Faults generally indicated by resistant 2° quartz bands.

**pEm** INTERVIEW SILTSTONE:  
Generally med-dk green-grey chloritic fine to med laminated often show soft sediment compaction features-minor warping some X-bedding -qtz veining can be found in this group. Minor Py min<sup>2</sup> up to 5%.

**LEGEND**

<b>QUATERNARY</b>	<b>Qs</b>	Sands
<b>TERTIARY</b>	<b>Ts</b>	Sands
	<b>Tg</b>	Gravels
	<b>Tb</b>	Basalt
<b>DEVONIAN</b>	<b>Dgr</b>	Granite
<b>PRECAMBRIAN</b>	<b>pEdol</b>	Dolerite Dykes
	<b>pEq</b>	Lagoon River Quartzites
	<b>pEd</b>	Savage Dolomite
	<b>pEdg</b>	Donaldson Group
	<b>pEm</b>	Interview Siltstone

	Aeromagnetic Anomaly (High Priority)
	Aeromagnetic Anomaly (Low Priority)
	Tracks
	Faults
	Anticline
	Syncline
<b>X Cu</b>	Mineral Occurrence
	Geological Boundaries

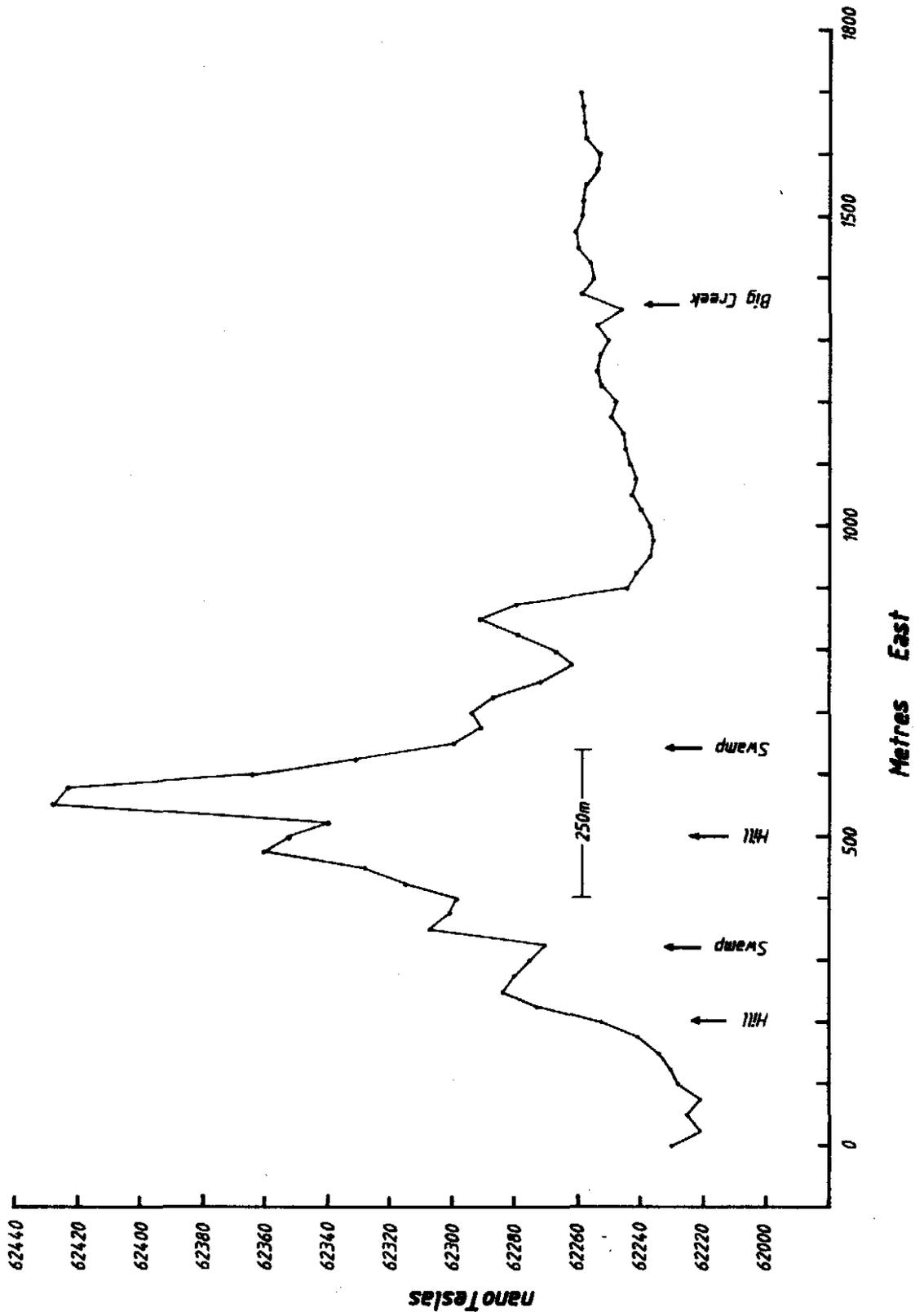
**CRA EXPLORATION PTY. LIMITED**

**ROCKY CAPE E.L. 1/77**  
GEOLOGY - AEROMAGNETIC ANOMALIES  
83-2013 GRID PLAN  
(INTERVIEW GRANITE AREA)

Ref: SK55-3  
Scale: 1:50 000  
Author: G. B. W.  
Date: 3-6-1983

Drawn: R. T.  
Report: No. 12152  
Plan No. TASH 1412

538072A 3171



538073

CRA EXPLORATION PTY. LIMITED

ROCKY CAPE E.L. 1/77  
 CHIMNEY CREEK ANOMALY  
 GROUND MAGNETICS  
 SOUTH TRAVERSE

INTERVIEW  
 GRANITE  
 AREA

Ref: SK55 - 3

Scale: 1 : 10 000

Drawn: R. T.

Author: G. B. W.

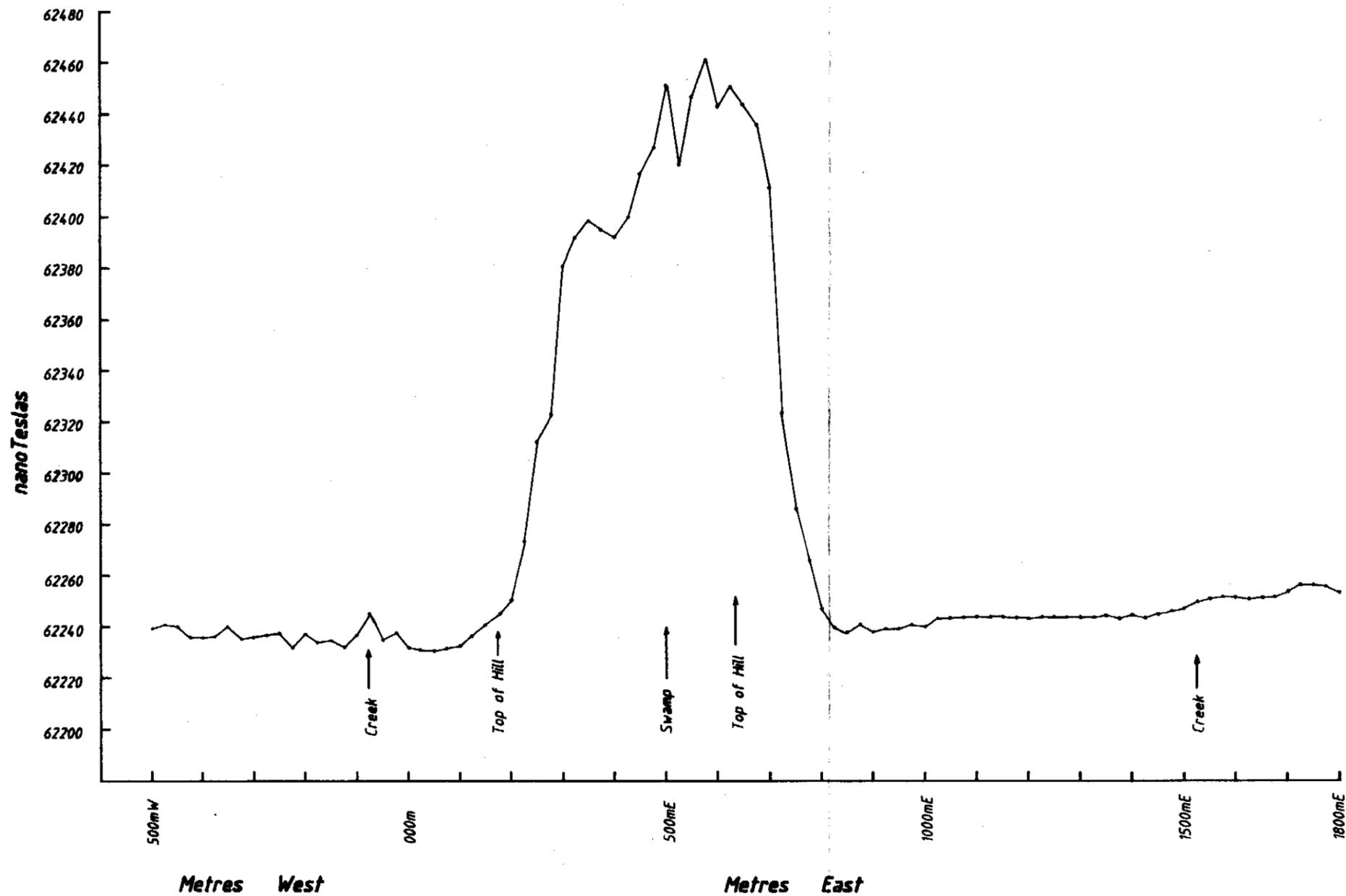
Report N°: 12152

Date: 8 - 6 - 1983

Plan N°: TASH 1419

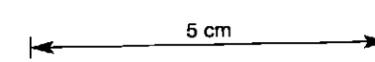
5 cm

3172

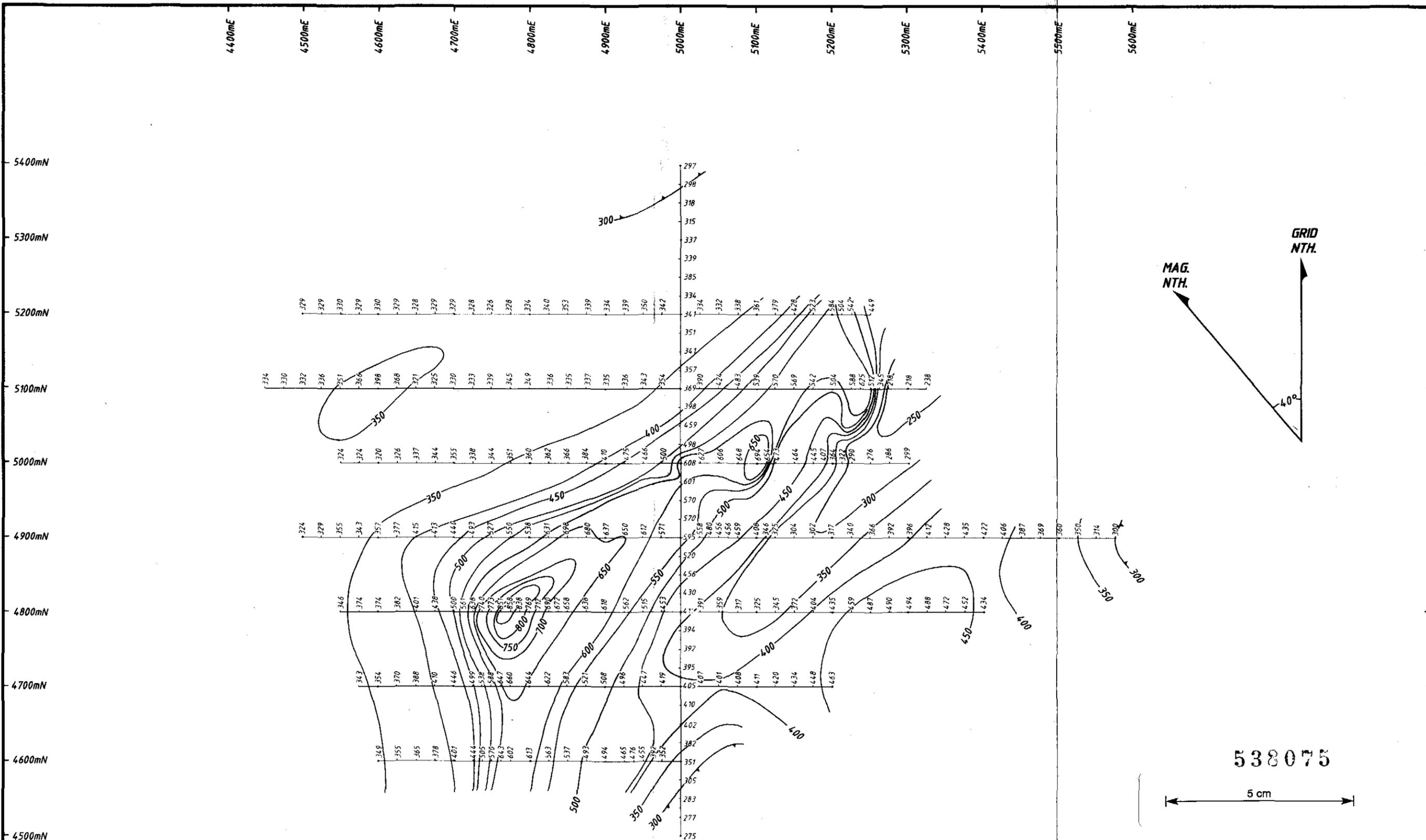


**\*\* NOTE \*\***  
 NORTH TRAVERSE IS  
 800 metres Nth. OF SOUTH TRAVERSE.

538074



CRA EXPLORATION PTY. LIMITED			
ROCKY CAPE E.L. 1/77		INTERVIEW	
CHIMNEY CREEK ANOMALY		GRANITE	
GROUND MAGNETICS		AREA	
83-2013 NORTH TRAVERSE			
REF.	SK55 - 3		
SCALE.	1 : 10 000	DRAWN.	R. T.
AUTHOR.	G. B. W.	REPORT N°.	12152
DATE.	8 - 6 - 1983	TASH N°.	1420

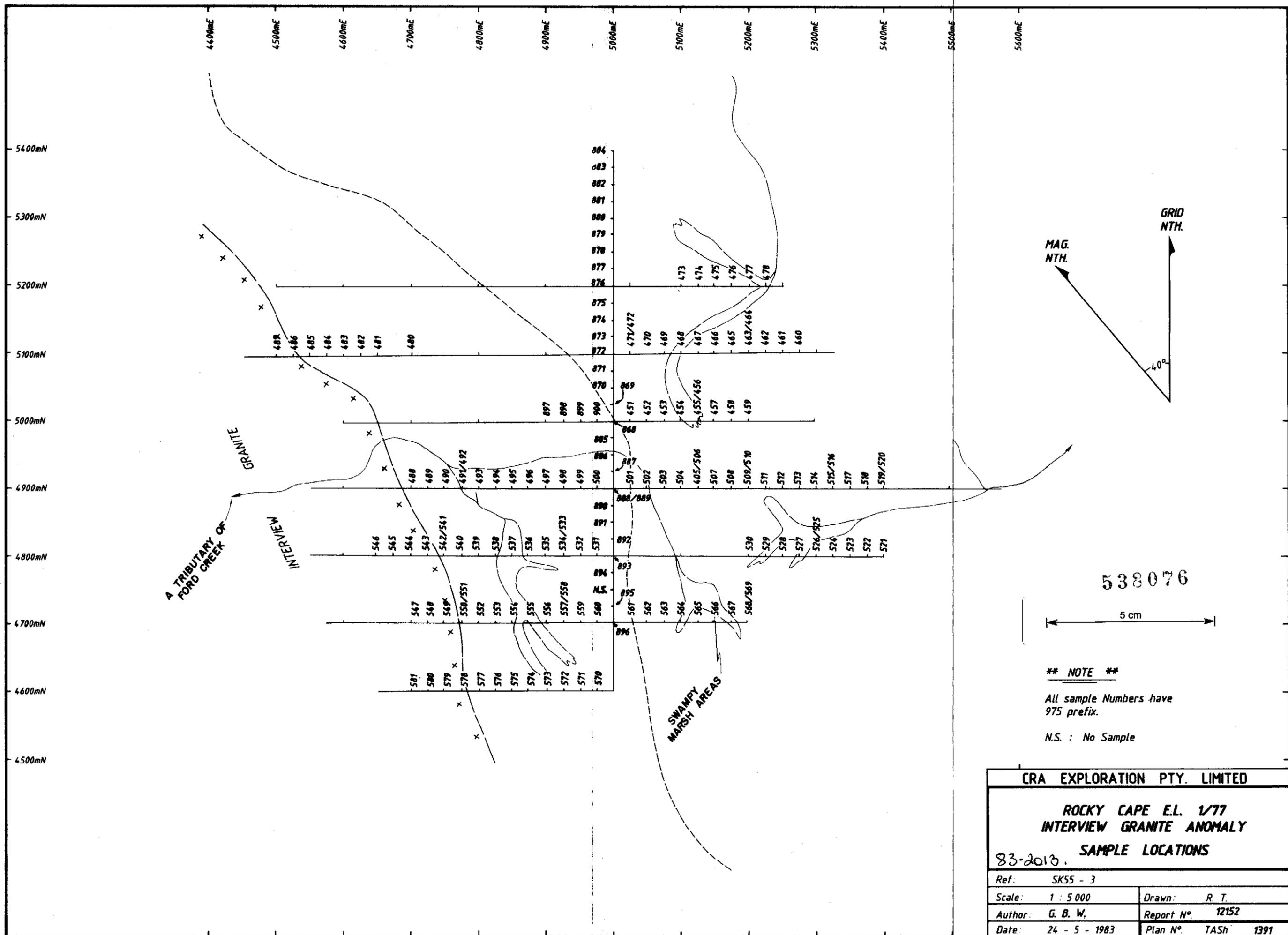


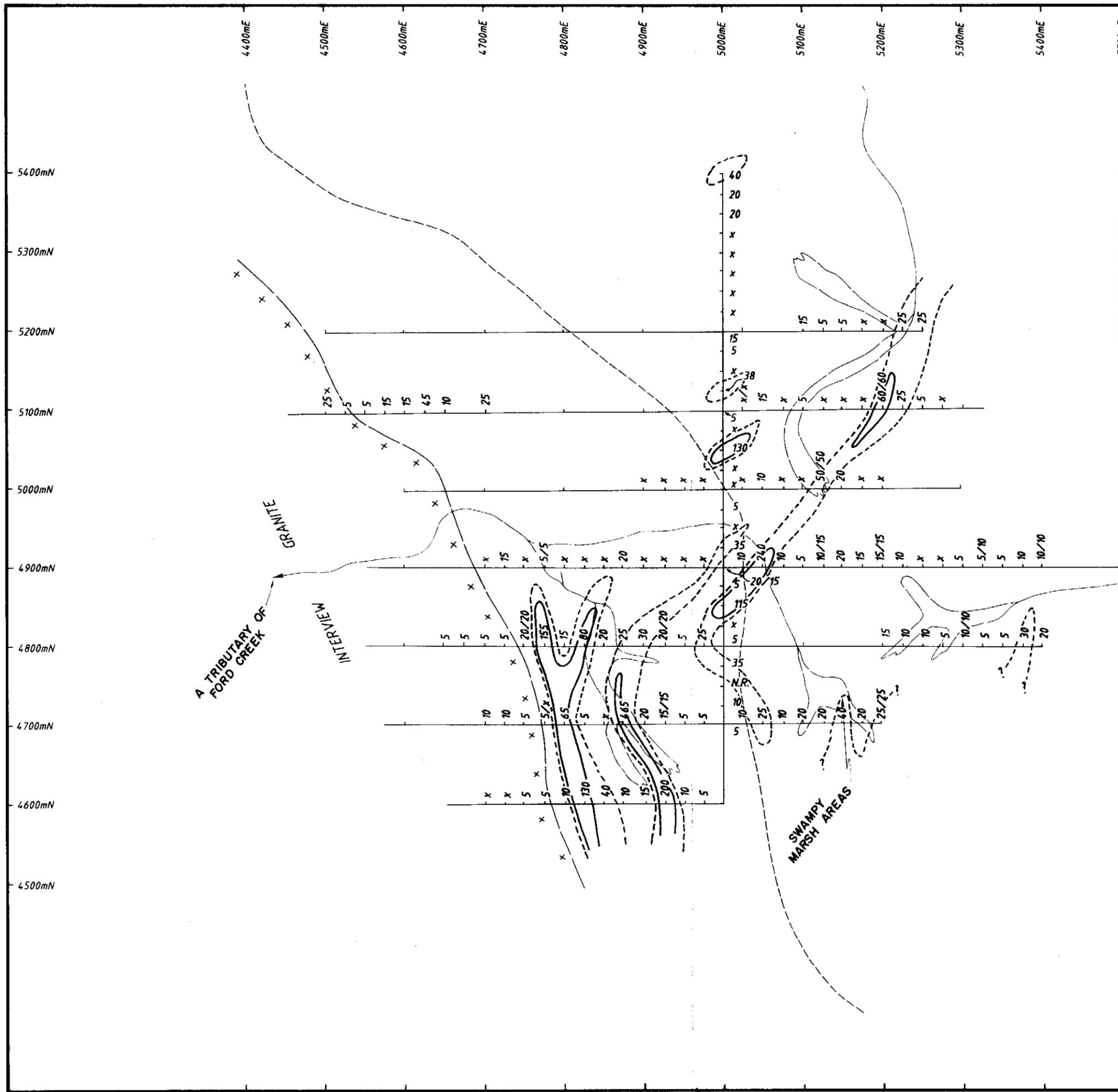
**\*\* NOTE \*\***  
 Base: 62 000nT  
 Contour Interval: 50nT  
 G-836 MAGNETOMETER  
 Observer: G.B. WEBER

CRA EXPLORATION PTY. LIMITED	
ROCKY CAPE E.L. 1/77	
INTERVIEW GRANITE	
TOTAL MAGNETIC INTENSITY	
83-2013	
Ref:	SK55 - 3
Scale:	1 : 5 000
Author:	M. F. F.
Date:	24 - 5 - 1983
Drawn:	R. T.
Report N°:	12152
Plan N°:	TASH 1388

538075

5 cm

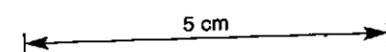




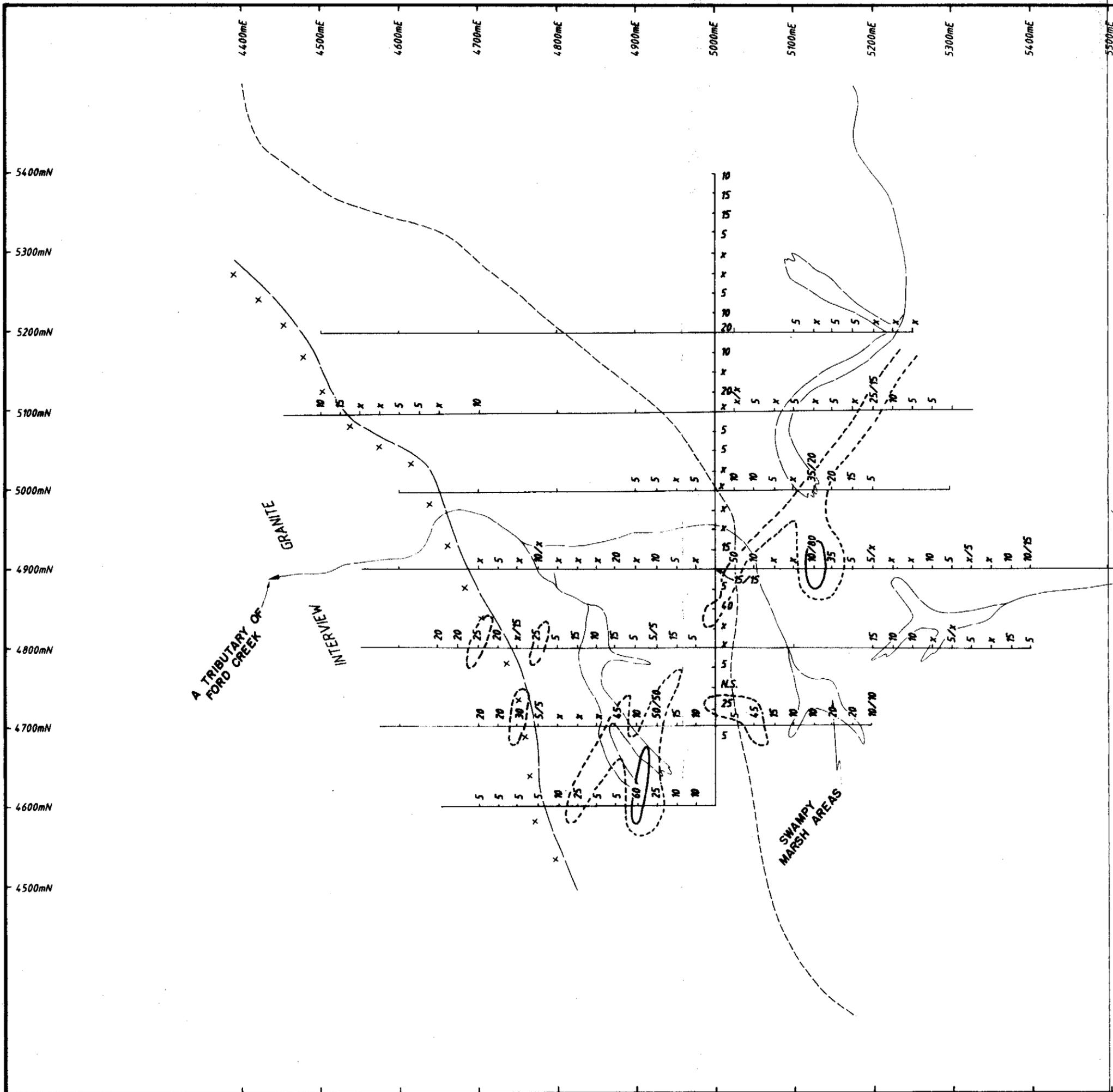
**\*\* NOTE \*\***

538077

- - - - - Possibly Anomalous Zone 23 - 52 ppm Cu
- Anomalous Cu Zone >52 ppm Cu
- N.S. No Sample



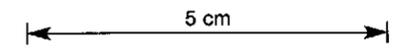
CRA EXPLORATION PTY. LIMITED	
ROCKY CAPE E.L. 1/77 INTERVIEW GRANITE ANOMALY	
83-2013 COPPER GEOCHEMISTRY	
Ref:	SK55 - 3
Scale	1 : 5 000
Author	G. B. W.
Date	24 - 5 - 1983
Drawn:	R. T.
Report N°:	12152
Plan N°:	TASh 1392



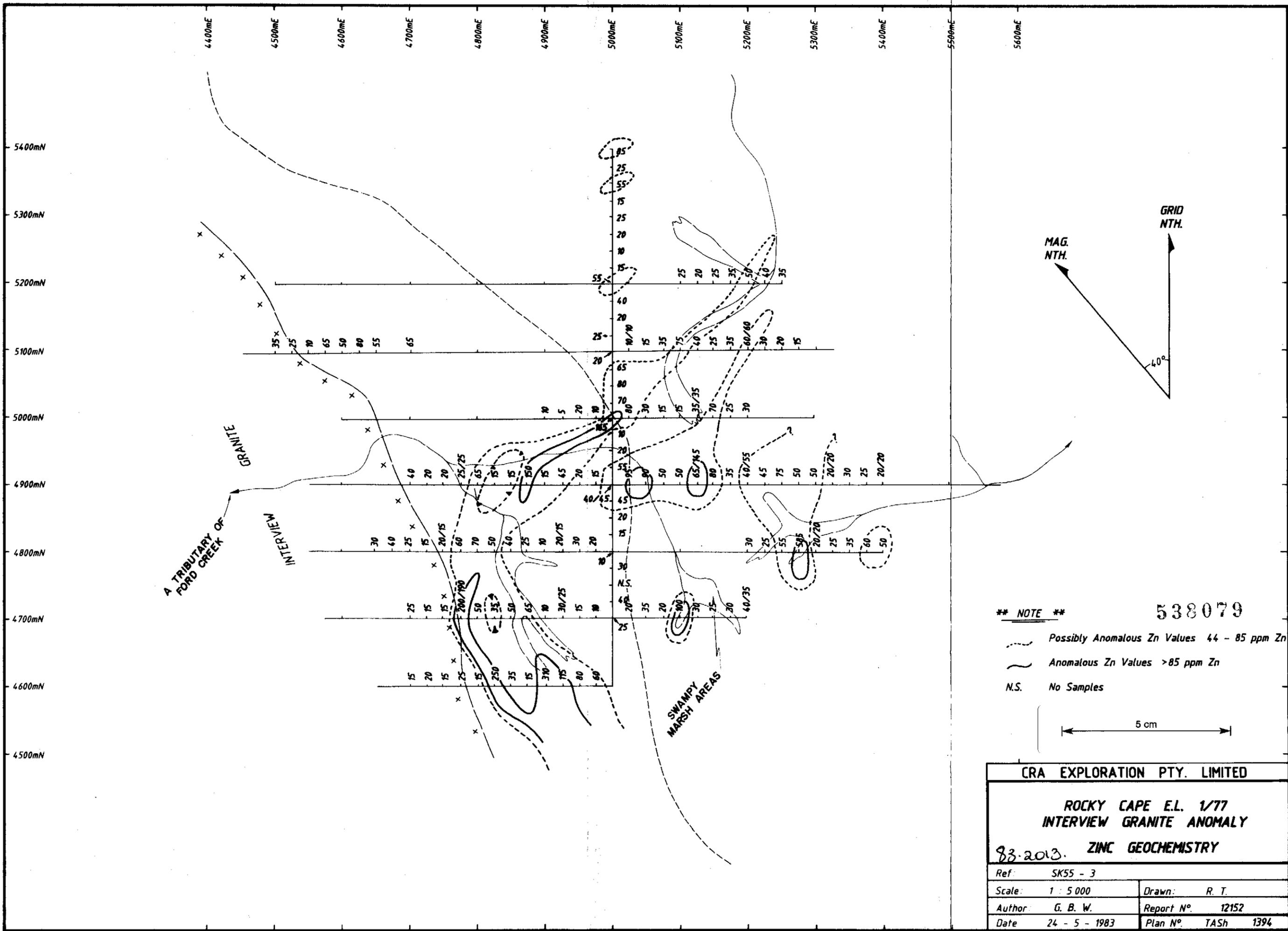
538078

**\*\* NOTE \*\***

- - - - - Possibly Anomalous Zones 23 - 53 ppm
- Anomalous Pb Zone >53 ppm Pb.
- N.S. No Sample



<b>CRA EXPLORATION PTY. LIMITED</b>	
<b>ROCKY CAPE E.L. 1/77</b>	
<b>INTERVIEW GRANITE ANOMALY</b>	
<b>LEAD GEOCHEMISTRY</b>	
83-2013	
Ref: SK55 - 3	
Scale: 1 : 5 000	Drawn: R. T.
Author: G. B. W.	Report N°: 12152
Date: 24 - 5 - 1983	Plan N°: TASH 1393



**\*\* NOTE \*\*** 538079

--- Possibly Anomalous Zn Values 44 - 85 ppm Zn

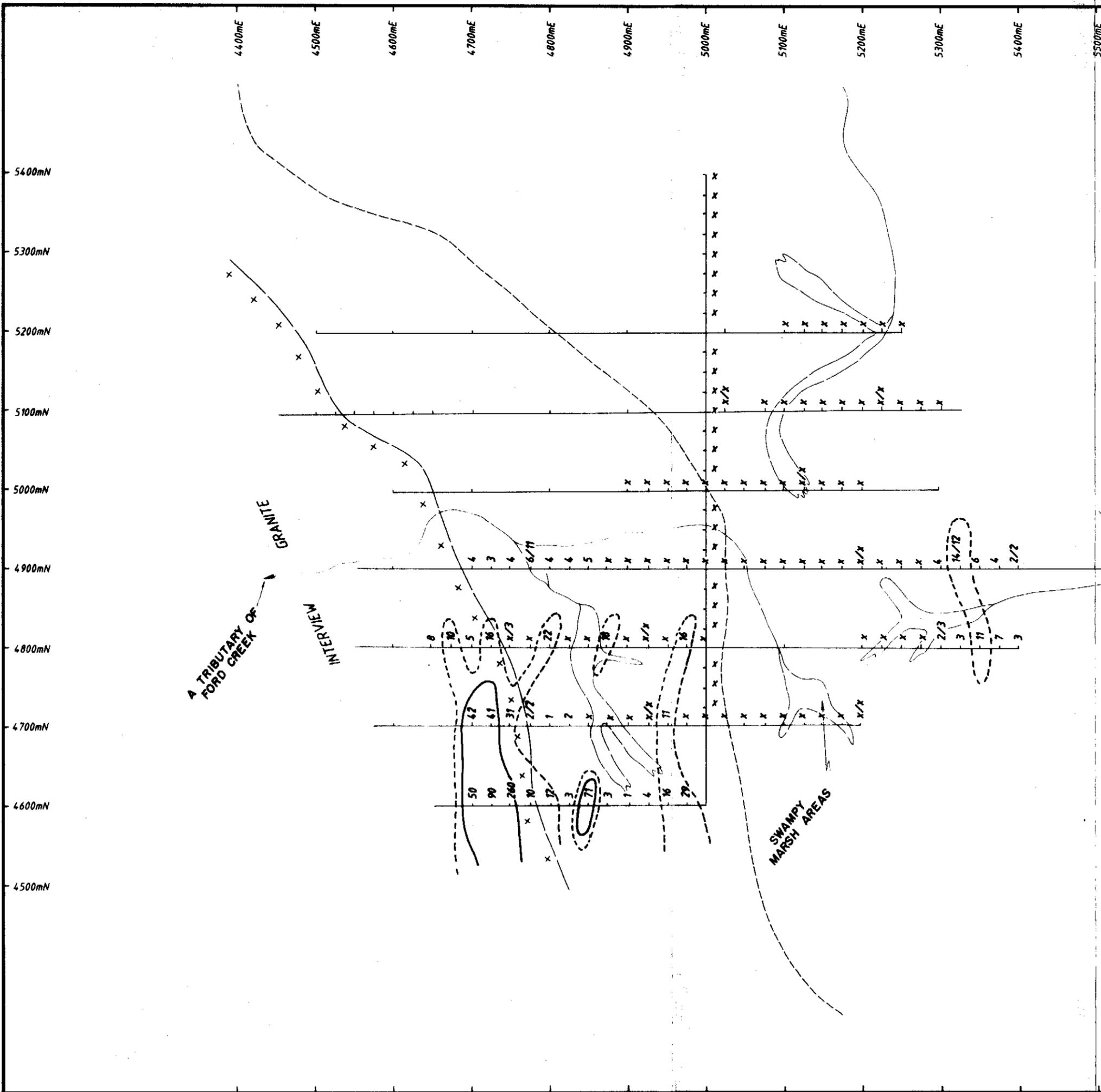
— Anomalous Zn Values >85 ppm Zn

N.S. No Samples

5 cm

CRA EXPLORATION PTY. LIMITED	
ROCKY CAPE E.L. 1/77 INTERVIEW GRANITE ANOMALY	
83-2013. ZINC GEOCHEMISTRY	
Ref:	SK55 - 3
Scale:	1 : 5 000
Author:	G. B. W.
Date:	24 - 5 - 1983
Drawn:	R. T.
Report N°:	12152
Plan N°:	TASH 1394





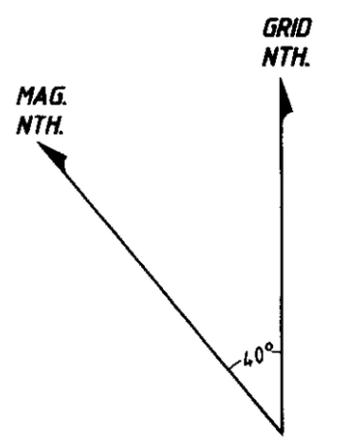
**\*\* NOTE \*\*** 538081

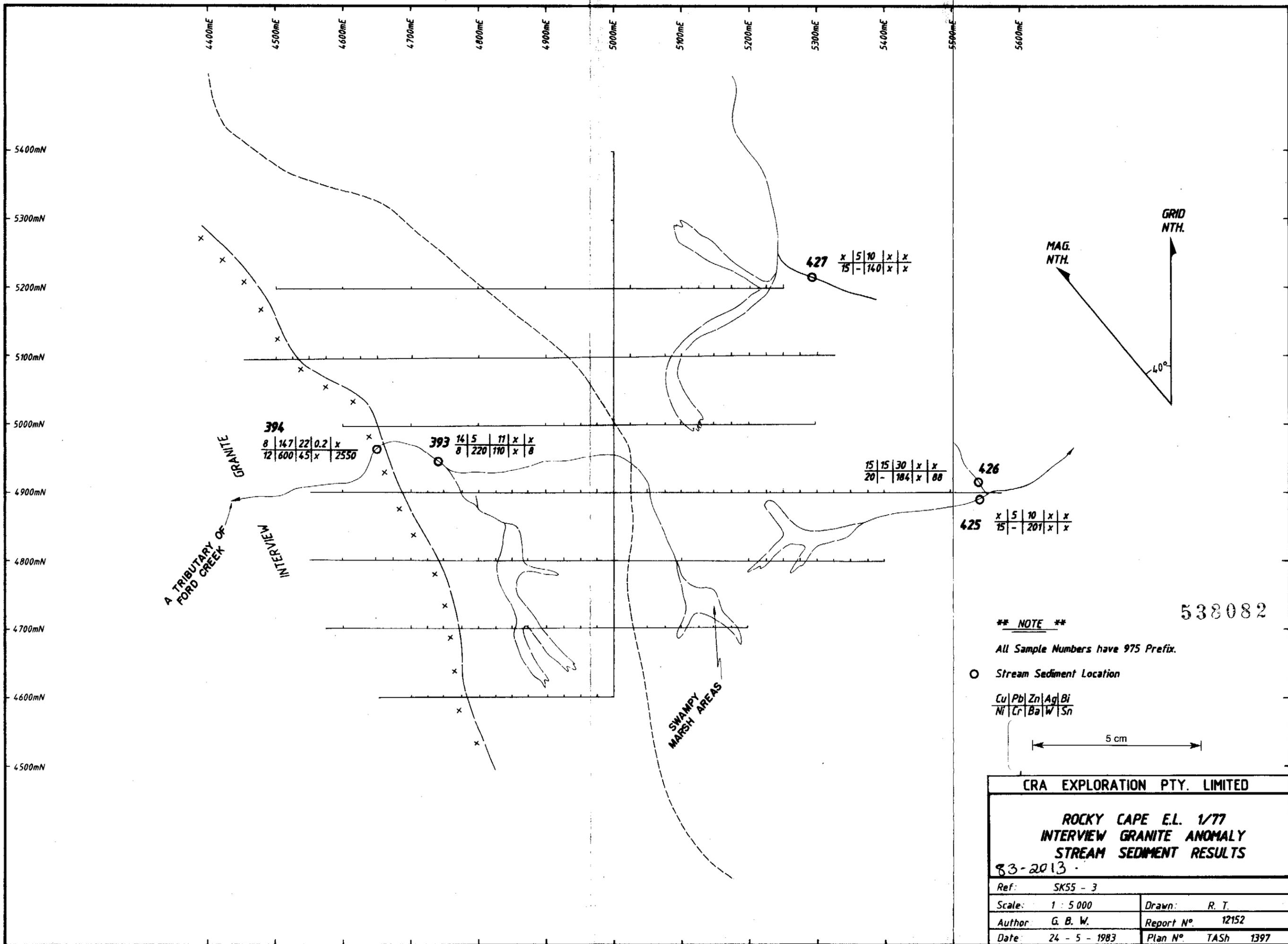
--- Possibly Anomalous zone 10 - 34 ppm W

— Anomalous Zone >34 ppm W

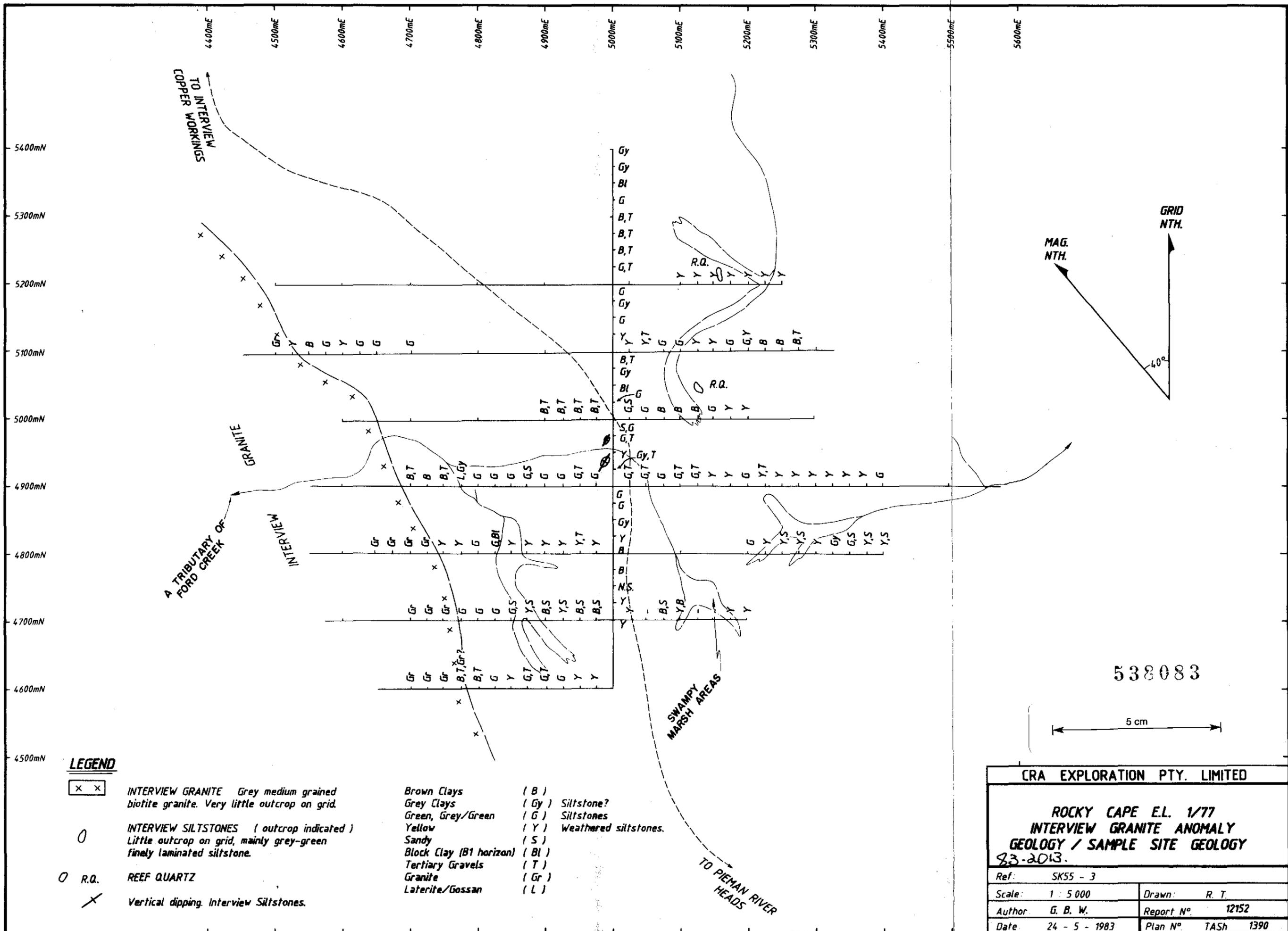
5 cm

<b>CRA EXPLORATION PTY. LIMITED</b>	
<b>ROCKY CAPE E.L. 1/77</b>	
<b>INTERVIEW GRANITE ANOMALY</b>	
<b>83-203 TUNGSTEN GEOCHEMISTRY</b>	
Ref:	SK55 - 3
Scale:	1 : 5 000
Author:	G. B. W.
Date:	24 - 5 - 1983
Drawn:	R. T.
Report N°:	12152
Plan N°:	TASH 1396





538082



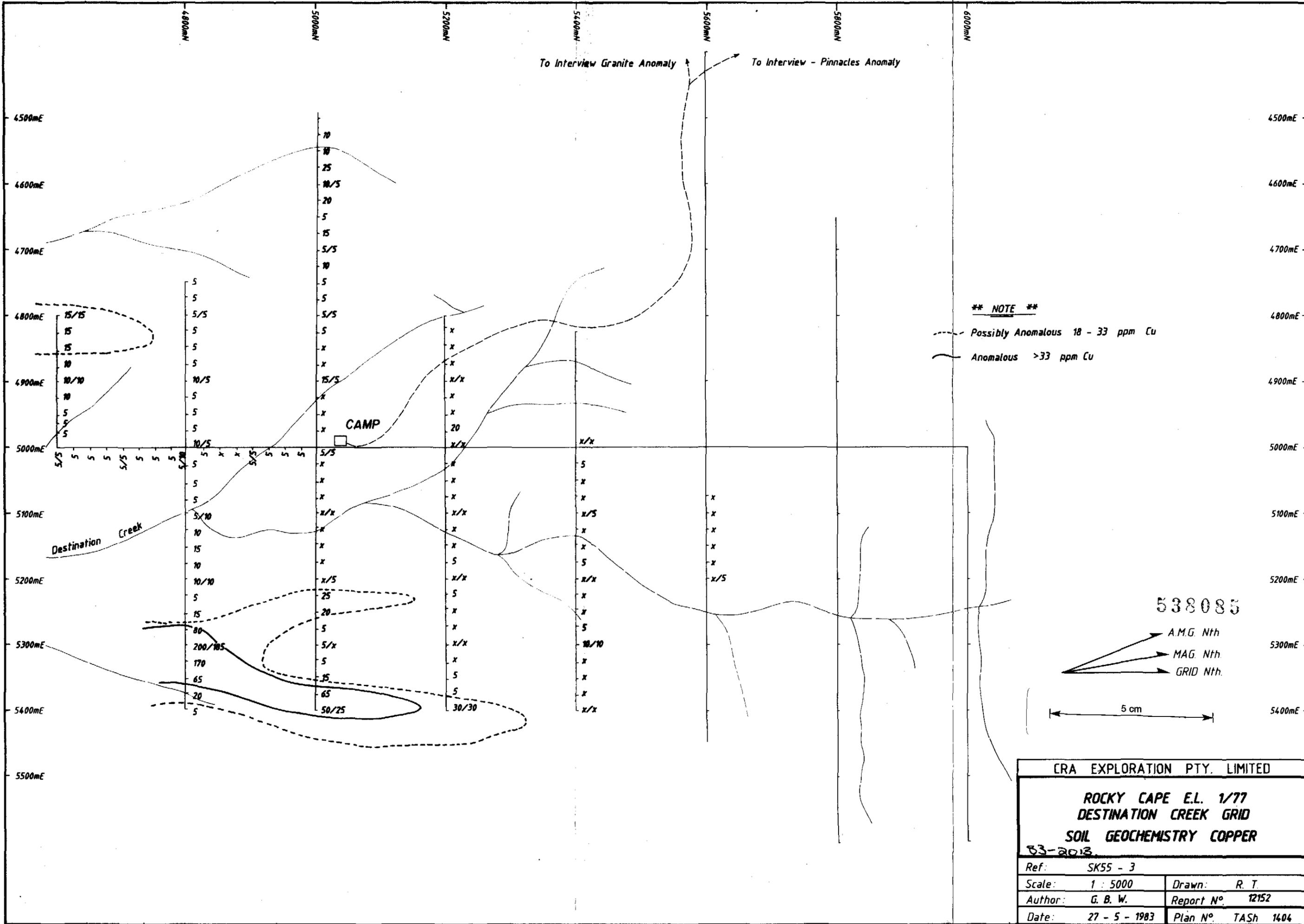
**LEGEND**

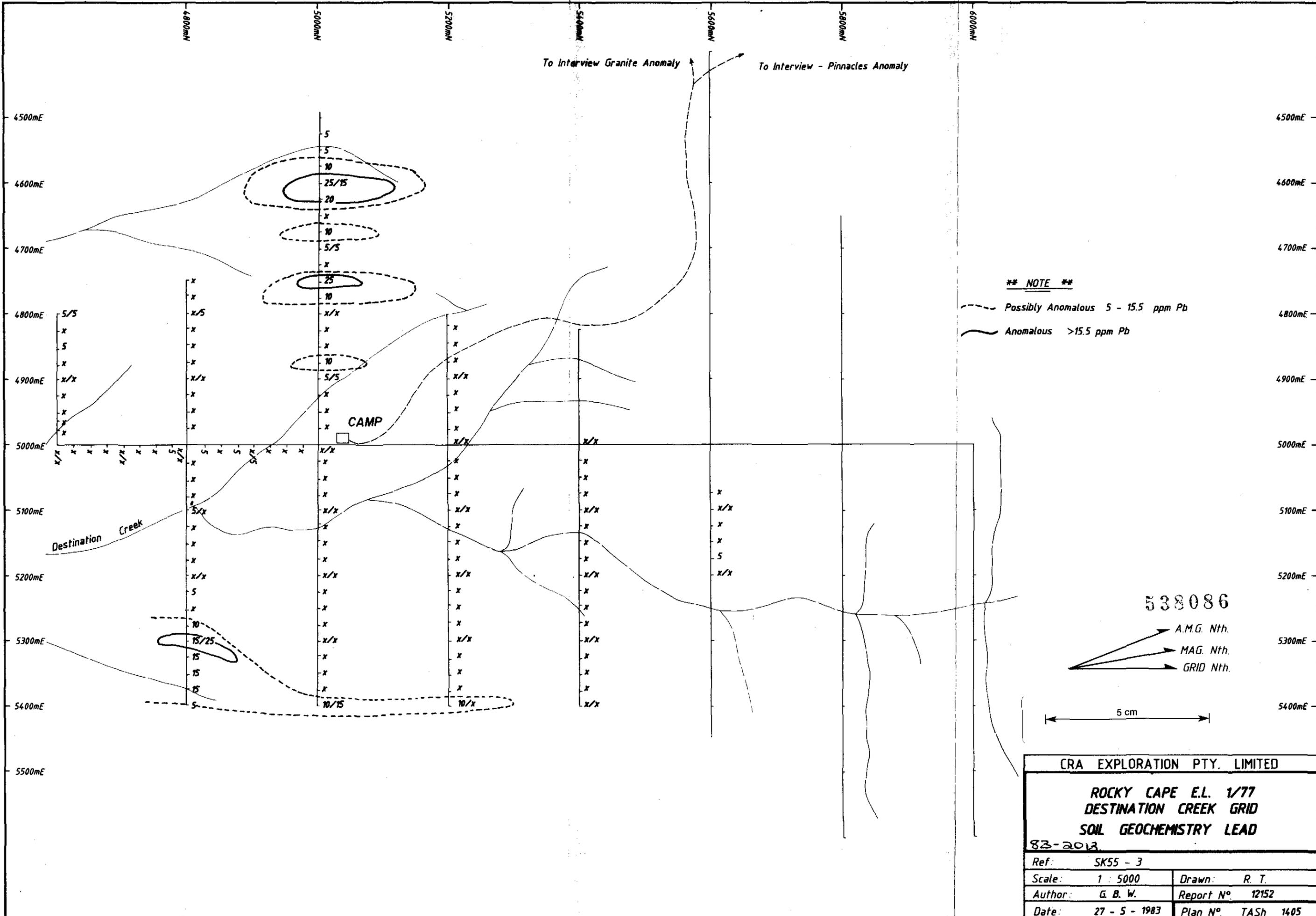
- x x INTERVIEW GRANITE Grey medium grained biotite granite. Very little outcrop on grid.
- o INTERVIEW SILTSTONES (outcrop indicated) Little outcrop on grid, mainly grey-green finely laminated siltstone.
- R.Q. REEF QUARTZ
- x Vertical dipping, Interview Siltstones.

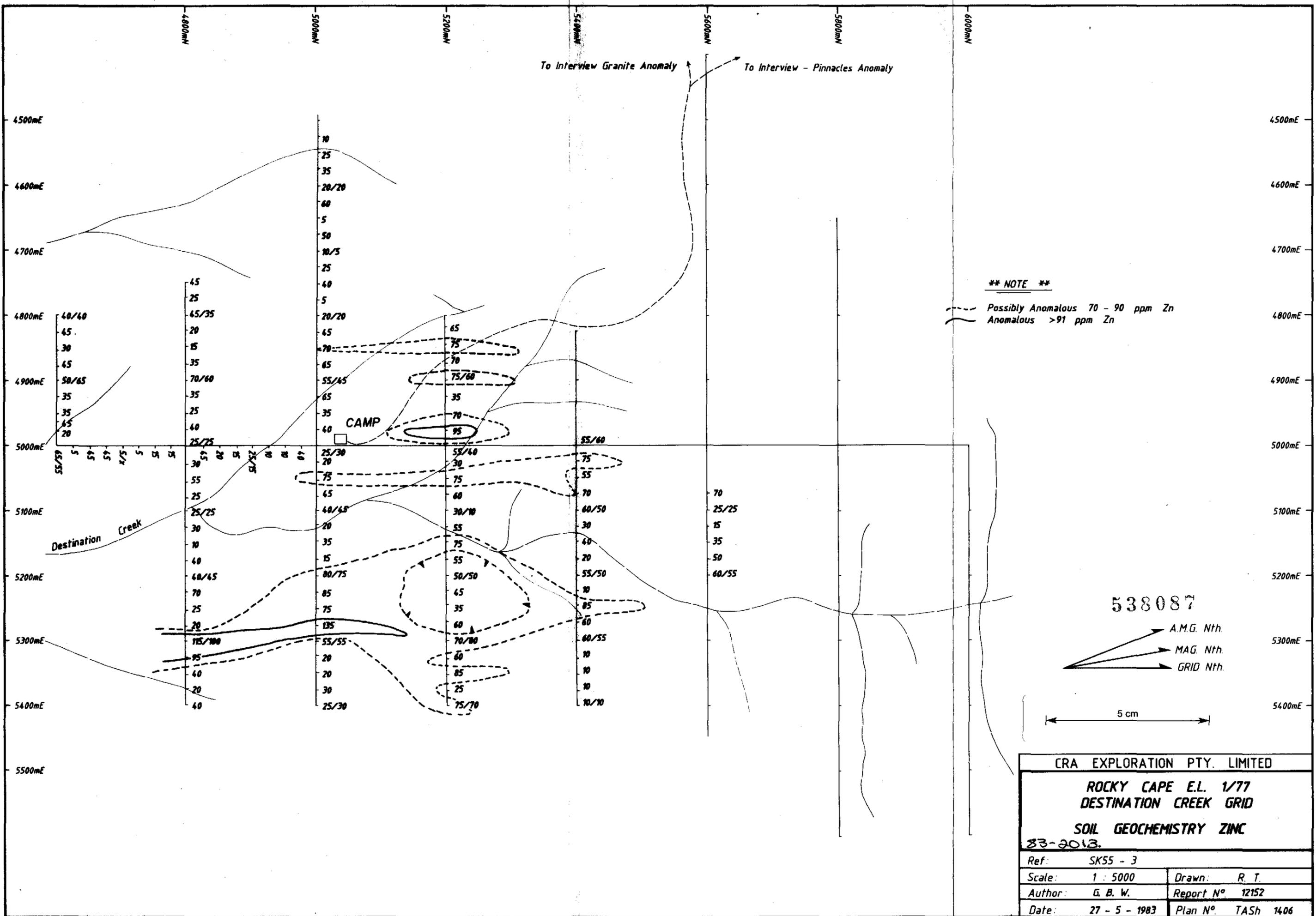
- Brown Clays (B)
- Grey Clays (Gy) Siltstone?
- Green, Grey/Green (G) Siltstones
- Yellow (Y) Weathered siltstones.
- Sandy (S)
- Block Clay (B1 horizon) (Bl)
- Tertiary Gravels (T)
- Granite (Gr)
- Laterite/Gossan (L)

<b>CRA EXPLORATION PTY. LIMITED</b>	
<b>ROCKY CAPE E.L. 1/77</b>	
<b>INTERVIEW GRANITE ANOMALY</b>	
<b>GEOLOGY / SAMPLE SITE GEOLOGY</b>	
83-2013.	
Ref: SK55 - 3	Drawn: R. T.
Scale: 1 : 5 000	Report N <sup>o</sup> : 12152
Author G. B. W.	Plan N <sup>o</sup> : TASH 1390
Date 24 - 5 - 1983	









**\*\* NOTE \*\***

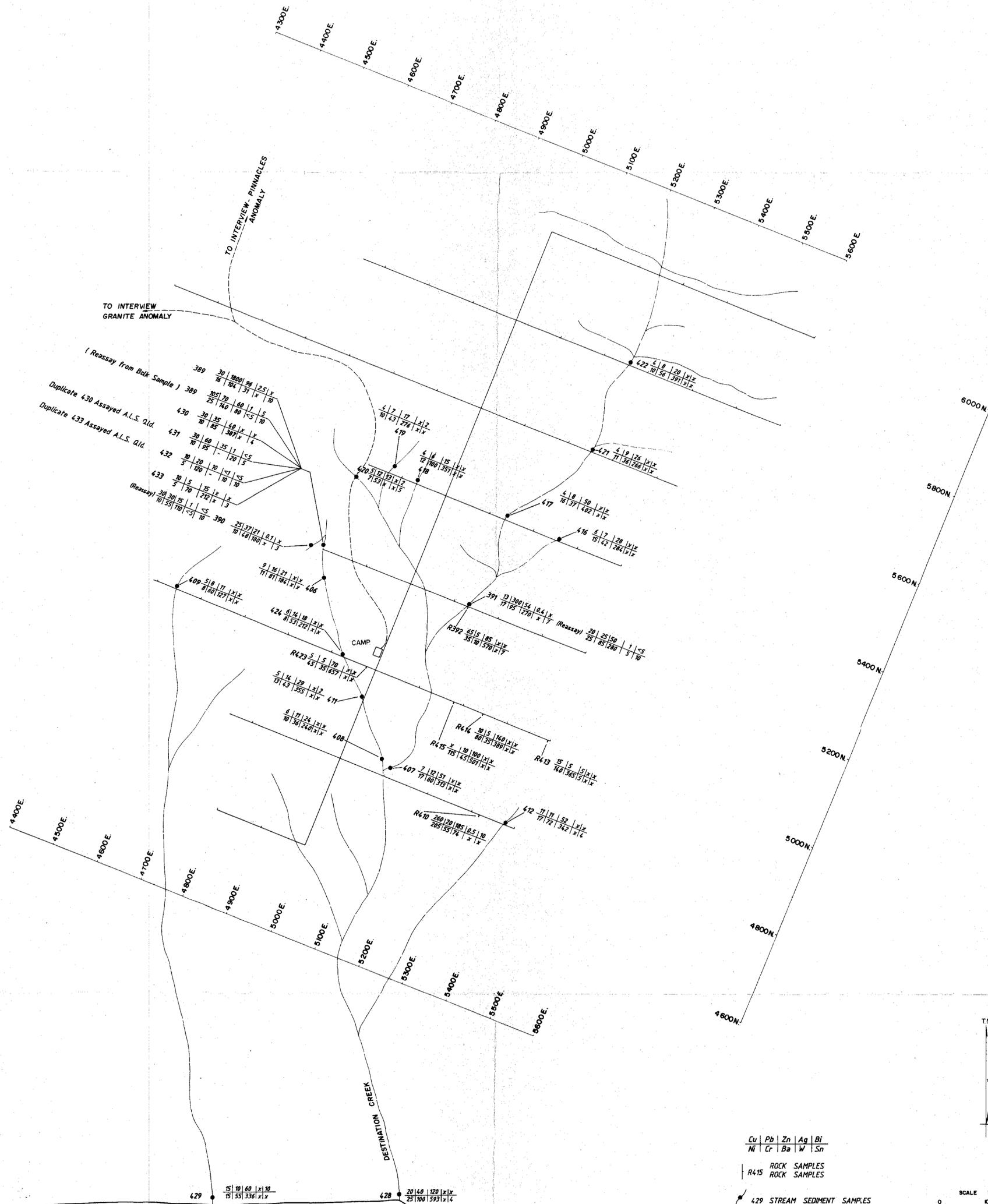
--- Possibly Anomalous 70 - 90 ppm Zn  
 — Anomalous >91 ppm Zn

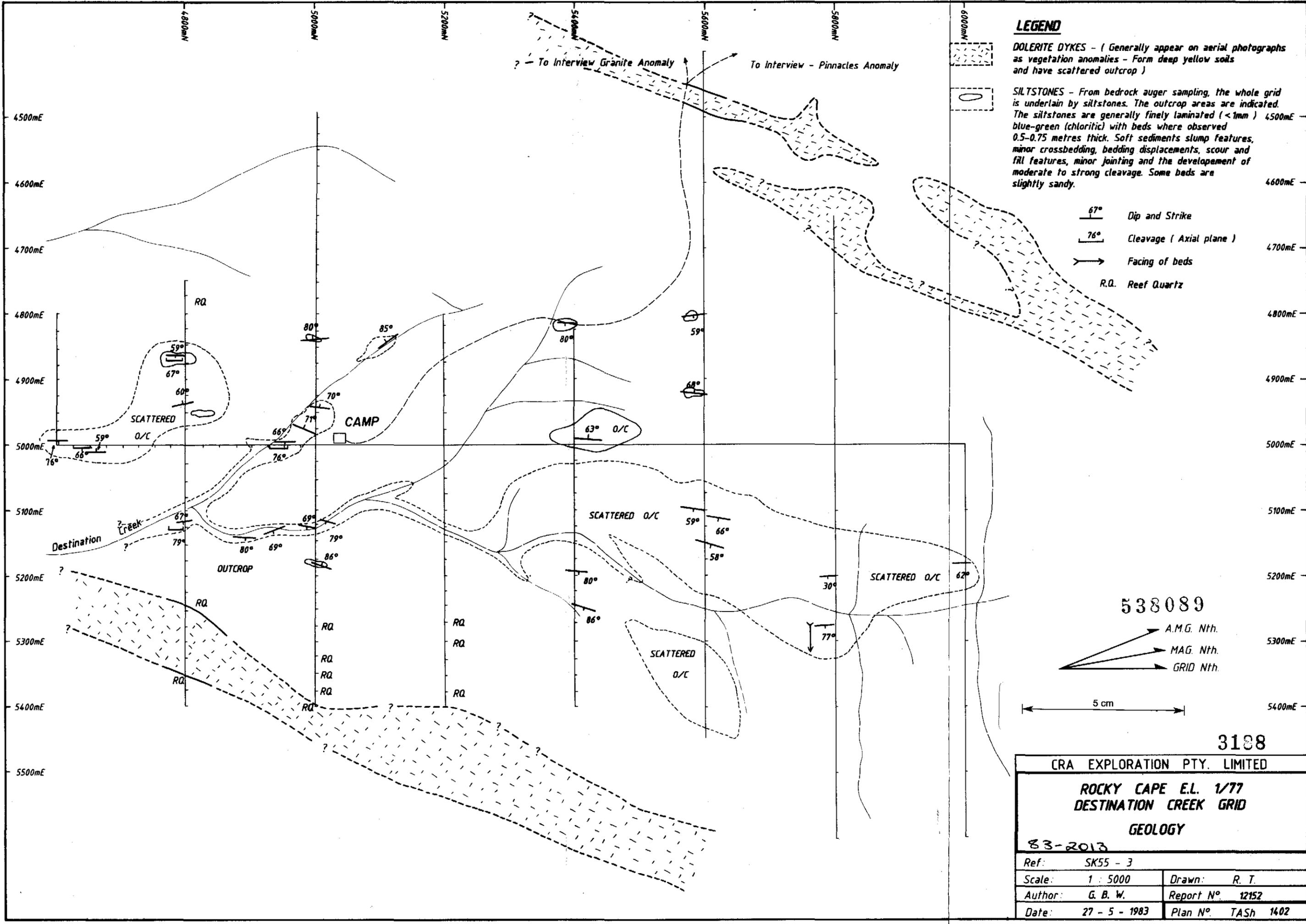
538087

→ A.M.G. Nth.  
 → MAG. Nth.  
 → GRID Nth.

5 cm

CRA EXPLORATION PTY. LIMITED	
ROCKY CAPE E.L. 1/77 DESTINATION CREEK GRID	
SOIL GEOCHEMISTRY ZINC	
83-2013	
Ref: SK55 - 3	
Scale: 1 : 5000	Drawn: R. T.
Author: G. B. W.	Report N° 12152
Date: 27 - 5 - 1983	Plan N° TASH 1406





**LEGEND**

**DOLERITE DYKES** - ( Generally appear on aerial photographs as vegetation anomalies - Form deep yellow soils and have scattered outcrop )

**SILTSTONES** - From bedrock auger sampling, the whole grid is underlain by siltstones. The outcrop areas are indicated. The siltstones are generally finely laminated (<1mm) blue-green (chloritic) with beds where observed 0.5-0.75 metres thick. Soft sediments slump features, minor crossbedding, bedding displacements, scour and fill features, minor jointing and the development of moderate to strong cleavage. Some beds are slightly sandy.

- $\frac{67^\circ}{\text{---}}$  Dip and Strike
- $\frac{76^\circ}{\text{---}}$  Cleavage ( Axial plane )
- $\rightarrow$  Facing of beds
- R.Q. Reef Quartz

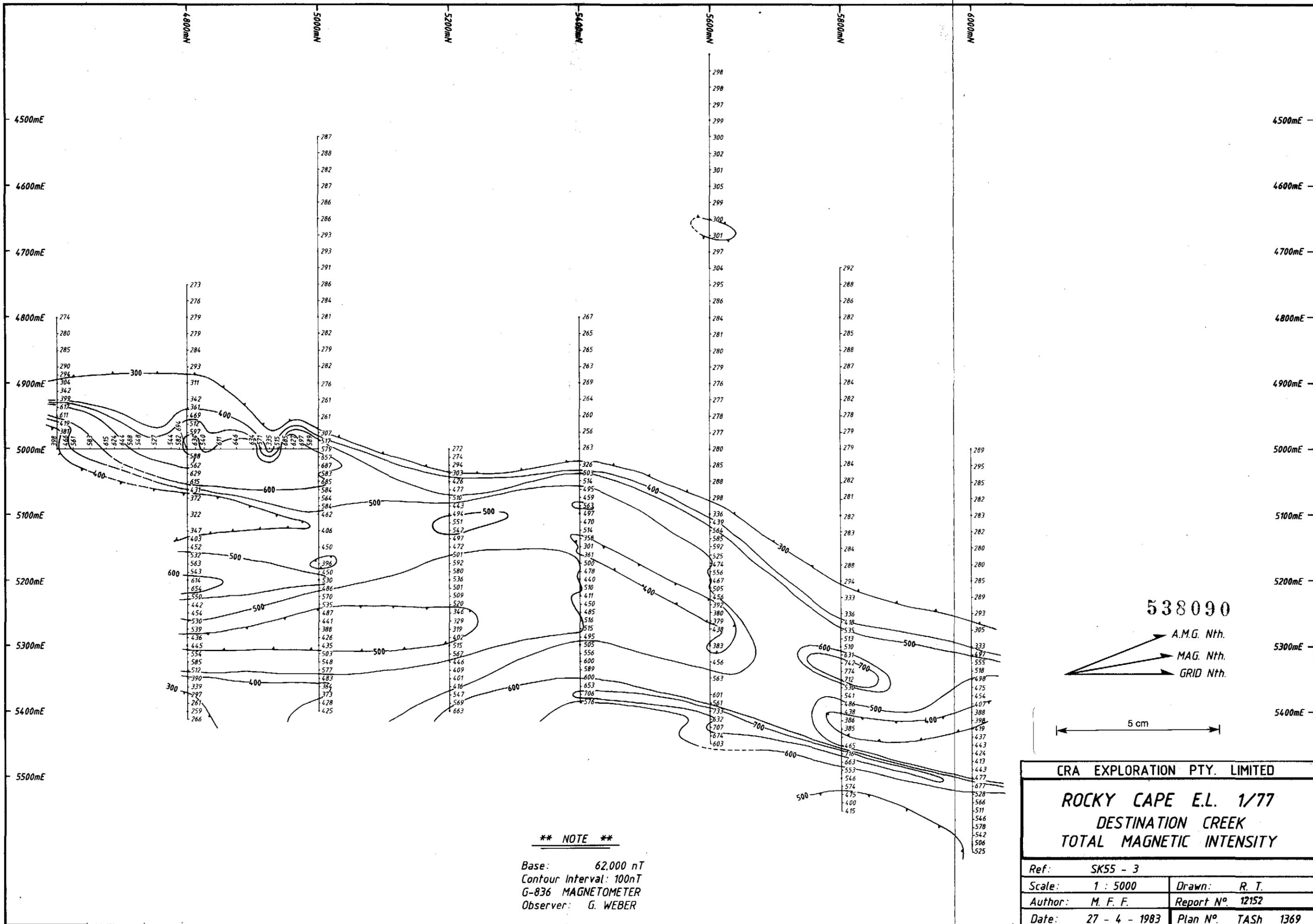
538089



5 cm

3188

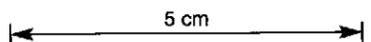
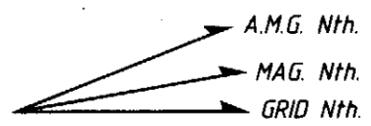
CRA EXPLORATION PTY. LIMITED	
<b>ROCKY CAPE E.L. 1/77 DESTINATION CREEK GRID GEOLOGY</b>	
83-2013	
Ref: SK55 - 3	
Scale: 1 : 5000	Drawn: R. T.
Author: G. B. W.	Report N° 12152
Date: 27 - 5 - 1983	Plan N° TASH 1402



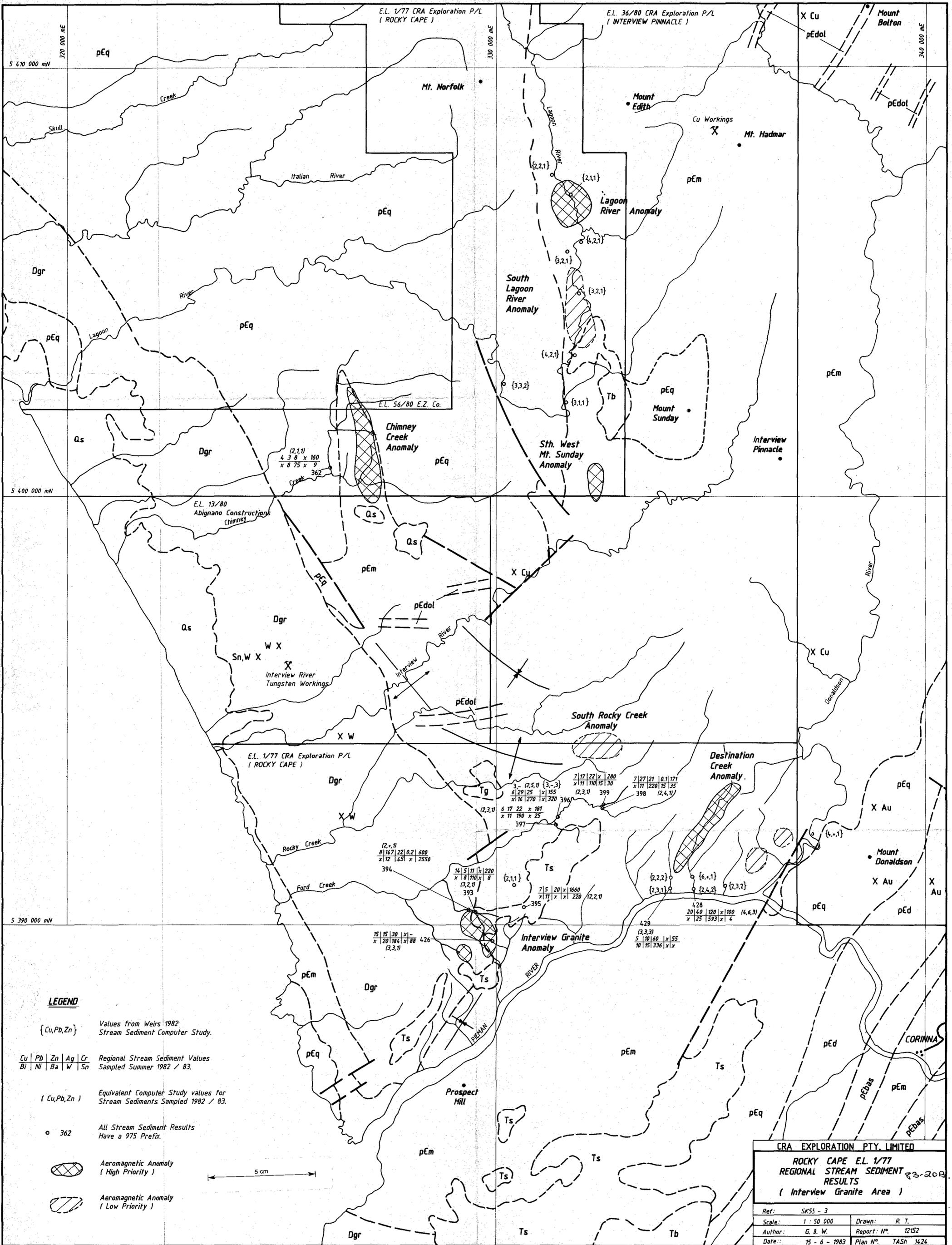
**\*\* NOTE \*\***

Base: 62,000 nT  
 Contour Interval: 100nT  
 G-836 MAGNETOMETER  
 Observer: G. WEBER

538090



CRA EXPLORATION PTY. LIMITED	
ROCKY CAPE E.L. 1/77	
DESTINATION CREEK	
TOTAL MAGNETIC INTENSITY	
Ref:	SK55 - 3
Scale:	1 : 5000
Author:	M. F. F.
Date:	27 - 4 - 1983
Drawn:	R. T.
Report N°:	12152
Plan N°:	TASH 1369



**LEGEND**

{Cu,Pb,Zn} Values from Weirs 1982 Stream Sediment Computer Study.

Cu | Pb | Zn | Ag | Cr Regional Stream Sediment Values  
 Bi | Ni | Ba | W | Sn Sampled Summer 1982 / 83.

(Cu,Pb,Zn) Equivalent Computer Study values for Stream Sediments Sampled 1982 / 83.

o 362 All Stream Sediment Results Have a 975 Prefix.

Aeromagnetic Anomaly (High Priority)

Aeromagnetic Anomaly (Low Priority)

5 cm

**CRA EXPLORATION PTY. LIMITED**  
**ROCKY CAPE E.L. 1/77**  
**REGIONAL STREAM SEDIMENT RESULTS**  
**( Interview Granite Area )**

Ref: SKSS - 3  
 Scale: 1 : 50 000 Drawn: R. T.  
 Author: G. B. W. Report No: 12152  
 Date: 15 - 6 - 1983 Plan No: TASH 1424