Rept. Bk. No. 57/39
G.S. No. 2693
D.M. 2221/61

DEPARTMENT OF MINES
SOUTH AUSTRALIA

PROGRESS REPORT NO. 2

ON

INVESTIGATION OF DAWESLEY AEROMAGNETIC ANOMALY

by

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Regional Mapping Section

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TO THE CHIEF GEOLOGIST:

DAWESLEY Aeromagnetic Anomaly

On Friday 1/11/63 I accompanied Mr. Paul Andrews of Australian Trusts Pty. Ltd. to Dawesley to inspect proposed traverse lines to be tested with that companies Barringer equipment.

Lines 1500'N, 3000'n 1000'S were selected as suitable with a possibility of covering the breccia on 1000'N and 2000'S.

The inspection showed most of the survey pegs missing. Approval is sought for a surveyor to re-establish sufficient pegs for these lines to be followed.

The results of this survey will be made available to the Department.

RCM:PAL
4/11/63

R. C. MIRAMS
Asst. Sen. Geologist

8.11.63

ABSTRACT

This report summarizes the investigations carried out on the Dawesley Anomaly subsequent to Progress Report No. 1. Two diamond drill holes have been completed, the second intersecting a narrow band of low grade copper mineralization.

INTRODUCTION

Shortly after the issue of Progress Report No. 1, (10/4/62), operations at Dawesley were suspended until amendments were made to the Mining Act regarding access to private land where minerals were alienated from the crown.

Work recommenced in January 1963, and the two drill holes recommended were drilled. Induced polarization traverses were made by the Geophysics (Exploration) Section in the intervening period. An assessment of the results of these traverses showed high anomalous values on line 1000' south and it was decided to drill the first hole (DD1) (originally recommended DD2) on this line.

The extraordinarily wet winter has hampered work in the area, drilling has had to be suspended on several occasions.

PREVIOUS WORK AND ACKNOWLEDGEMENTS

GS 2314 Progress Report No. 1, on Investigation of Dawesley Aeromagnetic Anomaly, R.C. Mirams, 20.10.62

GS 2686 Report on the Geophysical Investigation of the Dawesley Aeromagnetic Anomaly, J.C. Benlow & B.J. Taylor, 21.8.63.

DIAMOND DRILLING

The first two holes, DD1, 793'3" inclined depth, and DD2, 750'8" inclined depth, have been completed. Detailed logs of these holes are appended to this report. The drilling has been carried out in a competent manner and the high core recovery is a credit to the driller concerned. DD3 is now being drilled at 500E on line 1500 North. The hole is inclined west at 50 degrees.

DD1 was collared to intersect a shallow induced polarization anomaly and was continued to test a deeper anomaly to the west. The drill hole intersected magnetite and pyrite in the anomalous zones. In the shallow zone (150' - 400'), thin

breccia zones containing more massive pyrite and magnetite are associated with electromagnetic anomalies. Electromagnetic anomalies are low or absent over disseminated pyrite and magnetite.

The deeper anomaly is attributed to disseminated pyrite (770' to 793'3").

DD2 on line 1000' North was then drilled. This hole was collared on the southern end of the geochemical anomaly (vide Plan 62-135) and was designed to test the gossanous outcrops in depth. It would also intersect a weaker induced polarization anomaly and electromagnetic anomaly. A narrow band of copper mineralization was intersected between 275'6" and 280', the assay results are as follows:-

Sample	Footage	Spectro(p.p.m.)	Chemical assay %
A 1226/63	275'6"-276'6"	10,000 +	1.22
A 1227/63	276'6"-280'	7,000	0.95

The copper mineralization occurs in a dense pyrite-magnetite-garnet rock. Association of garnet and copper mineralization also occurs in the Kanmantoo Mines where the chalcopyrite mineralization is associated with metasediments containing garnet and chlorite.

Deeper intersections in DD2 containing garnet did not show abnormal copper values in the spectrographic analyses. Four selected check samples were run on garnet rich zones without indication of a copper contact above the normal background value of 15 - 25 p.p.m.

GENERAL COMMENTS

It is evident that the induced polarization method has limited use in an area such as Dawesley where the economic mineral is associated with similar conductive metallic minerals dispersed through the rock. The electromagnetic method can be used in conjunction with the induced polarization method to eliminate the disseminated pyrite bodies.

Magnetite is present in greater quantities than the ground traverses would suggest. Most of this mineral is disseminated which may reduce the "anomalous" effects between individual readings, the whole combining to produce a significant

aeromagnetic anomaly which initiated investigation of the area.

The copper mineralization, as at Kanmantoo is restricted to garnet-chlorite zones in or adjacent to shearing. Australian Mineral Development Laboratories are conducting an investigation of the garnet occurring in the Kangaroo workings of the Kanmantoo mines.

Review of the drilling results to date, indicates that the geochemical data may yield more positive results than the geophysical methods on this prospect. A third hole is now being drilled on line 1500' north at 500' east to test the highest copper values recorded in the geochemical traverses. Induced polarization readings taken after this hole was designed, indicate it will pass below a shallow conductor. Should the hole flatten sufficiently it could be continued to test a further anomaly at 750 to 800 feet. Survey data is required prior to making a recommendation for extending the hole to this depth.

Drilling so far has not excluded the possibility of a near-surface body at the water table, in or about the breccia zone. The history of the copper field has been one of secondary sulphide enrichment at the base of the oxidized zone.

RECOMMENDATIONS

1. It is recommended that drill hole DD3, now being drilled on line 1500N, be surveyed at 300' and 500'. Should the survey indicate that the hole will flatten to intersect the deeper induced polarization anomaly on line 1500'N, extension of the hole to 800 feet should be considered.

2. On the completion of DD3 a shallow hole is recommended on line 1500N to test for a zone of secondary enrichment below the peak of the geochemical anomaly.

3. Surface geochemical traverses should be extended to cover the anomalous zones indicated by Benlow and Taylor (GS 2686) Fig. 2.

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RCM:MIP
30.8.63

DEPARTMENT OF MINES
SOUTH AUSTRALIA

DAWESLEY ANOMALY

DIAMOND DRILLHOLE LOG

DD 1

Logged by

R. C. Mirams

Rept. Bk. No. 57/22
G.S. No. 2679
D.M. 2221/61

1st August, 1963

6627- 5842

DEPARTMENT OF MINES
SOUTH AUSTRALIA

TD
241.78

DIAMOND DRILLHOLE LOG

PROJECT: DAWESLEY ANOMALY HOLE NO.: DD 1

CO-ORD.: 1000'S 100'E - 50°W SEC.: 5353 HD.: KANMANTOO

PLANT NO.: 17 DRILLER: GERGYE

DATE COMMENCED: 25/1/63 DATE COMPLETED: 21/3/63

DOCKET NO.: 2221/61 BORE SERIAL NO.: 95/63

LOGGED BY: R.C.M.

LOG Comprises

1. Geological Log
2. Detailed Core Recovery
3. Spectrographic Results

Footage From	Footage To	Description
0'	20'	0-19' approximately, unconsolidated alluvium. 19-20' weathered bedrock. Leached pyrite? (numerous cubic voids) schist. Silicified and fairly ferruginised. Colour and texture variable due to surface weathering and induration.
20'	23'8"	Buff drusy leached schist. Voids (pyrite?) often indicating relict bedding. Rock well bedded, bedding at 40° to core axis. Cavernous joints intersecting bedding. Core becoming more broken near 24' and 29'. Blebs of hematite.
23'8"	27'8"	
27'8"	29' (approx.)	
29' (approx.)	32'8"	Fragmentary core only. Probably mostly as above with some micaceous schist over last few inches.
32'8"	36'6"	Micaceous schist. Quartz vein at 34'. Bedding at 25° to core axis. Clastic quartz varies from nil to 50%.
36'6"	36'9"	Ferruginous mica schist. Fractured greywacke, biotite, pyrite and limonite in fractures. Bedding irregular 70-45° to core axis. Minor pyrite 36-43'.
36'9"	41'	
41'	45'8"	
45'8"	50'6"	
50'6"	55'	Drusy and leached at 51'6", mineralized veinlets at 53'. 55-60' slumped. Some traces sulphides (pyrite?) biotite and micaceous hematite.
55'	59'8"	
59'8"	61'0"	As above, fractured.

DD1 DAWESLEY PROJECT Co-ords 1000'S 100'E - 50°W

Footage From	Footage To	Description
61'0"	64'6"	Banded pyritic schist. 10% pyrite banding. 45° to core axis.
64'6"	69'	Slumped and fractured micaceous greywacke
69'	73'8"	Occasional blebs of pyrite.
73'8"	77'4"	Pyrite and micaceous hematite at 77'2".
77'4"	81'4"	Fractured micaceous greywacke.
81'4"	86'	Pyrite and micaceous hematite at 81'.
86'	90'8"	" " " " " 83'.
90'8"	95'4"	Banded greywacke. Banding 60° to core axis.
95'4"	100'	Banded greywacke.
100'	101'2"	Banded greywacke biotite bands in cleavage (?) - oblique to bedding near shear. Quartz in shear.
101'2"	102'	
102'	104'8"	
104'8"	109'4"	Biotite greywacke.
109'4"	114'	Quartz veins at 101'11"
114'	118'8"	" " " 102'8". Band at 116' at 60°.
118'8"	123'4"	" " " 115'.
123'4"	128'	" " " 118'6" (bedded).
128'	132'8"	" " " 127'.
		" " " 129'9".
132'8"	137'4"	As 104'8" - 132'4" with core fractures 45-60° to core axis and cleavage(?) 30° to core axis.
137'4"	142'	Quartz veins at 138'6" 410'
142'	146'8"	Becoming fractured from 140' to 141'6".
146'8"	151'4"	Biotite rich greywacke, bedding 60° to core at 150'.
151'4"	152'1"	Banded crenulated greywacke and biotite schist. ¼" sandstone band. Bedding 80° to core axis.
152'1"	152'7"	Quartz with chloritic inclusions occasional crystals of ilmenite(?). (Pet. required).
152'7"	153'	Micaceous greywacke.

DAWESLEY PROJECT Co-ords 1000'S 100'E - 50°W

DD1

Footage From	Footage To	Description
153'	153'6"	Mostly quartz replacement. Whispy biotite and relict bedding. Halo either side.
153'6"	156'	
156'	160'8"	Banded micaceous greywacke. Minor disseminated pyrite.
160'8"	165'4"	
165'4"	170'	
170'	174'8"	
174'8"	179'4"	Quartz band at 175'4" - 175'9". approaching biotite schist from 178'.
179'4"	180'10"	Silty greywacke, band minor coarse speckling.
180'10"	181'9"	Broken core in part. Quartz, pyrite, magnetite, vein. Massive pyrite or pyrrhotite.
181'9"	184'	Silty micaceous greywacke.
184'	188'8"	
188'8"	189'6"	Micaceous greywacke.
189'6"	189'8"	Biotite schist crenulated and with massive tarnished pyrite(?), darker variety than at 181'.
189'8"	191'1"	Micaceous greywacke, minor disseminated pyrite.
191'1"	191'3"	Quartz, biotite with pyrite.
191'3"	193'4"	Pyritic schist up to 20% pyrite.
193'4"	193'8"	" " " " 30% " .
193'8"	195'8"	Micaceous greywacke, minor pyrite.
195'8"	196'1"	Biotite schist.
196'1"	198'	Silty greywacke.
198'	202'8"	Greywacke withbands of coarse pyritic crystals, $\frac{1}{8}$" and ($\frac{1}{4}$" occasionally) minor fine disseminated.
202'8"	207'4"	
207'4"	212'	Pyrite all through unit. Probable average 5%.

DD1 DAWESLEY PROJECT Co-ords 1000'S 100'E - 50°W

Footage From	To	Description
212'	214'	Banding at 200' 80° to core.
214'	216'6"	Softer and more micaceous, mica changing to silver grey (muscovite (?)).
216'6"	216'8"	Quartz and minor biotite.
216'8"	220'8"	Banded micaceous greywacke.
220'8"	220'10"	Quartz biotite.
220'10"	221'4"	
221'4"	223'6"	Banded micaceous greywacke.
223'6"	226'	Biotite schist crumpled and waxy bedding.
226'	230'8"	Pyritic from 228' approximately, coarse random euhedral crystals of pyrite throughout the rock.
230'8"	235'4"	
235'4"	236'	Biotite-greywacke.
236'	238'	Crushed and mineralized, much pyrite, some magnetite, biotite, and micaceous hematite.
238'	240'	Banded pyritic schist, low in pyrite.
240'	241'	" " " more pyrite 5-10%.
241'	244'8"	Brecciated with pyrite and up to 70% magnetite, some quartz infilling.
244'8"	249'4"	Pyritic schist, banding 45° to core axis.
249'4"	254'	Biotite greywacke, quartz vein at 251'
254'	258'8"	Magnetite in bedding planes at 256'
258'8"	266'8"	" " " from 260'.
266'8"	274'10"	
274'10"	284'10"	Banding at 60° at 272'.
		(Change approximately 200').

DD1 DAWESLEY PROJECT Co-ords 1000'S 100'E - 50°W

Footage From	Footage To	Description
284'	289'5"	Grey micaceous greywacke with magnetite bands in bedding planes with lesser pyrite micaceous hematite in joints.
289'5"	294'4"	
294'4"	299'	Less magnetite and pyrite from 299'
299'	309'	Greywacke from 302' with occasional blebs of pyrite.
309'	313'8"	
313'8"	315'6"	Quartz veins and shear probably at a low angle to core. Chlorite, micaceous hematite in voids.
316'9"	320'4"	Hard banded greywacke with solution channel carrying micaceous hematite, pyrite, magnetite.
325'	329'8"	Banded greywacke with magnetite and lesser pyrite bands. Banding 45-60° to core.
329'8"	332'	
332'	334'	Biotite rich and slumped.
334'	334'4"	Greywacke, wavy banding 80° to core.
334'4"	335'	
335'	339'	Quartz, milky with rare micaceous inclusions.
339'	340'	
340'	341'	Mica schist, sheared.
341'	341'9"	Greywacke
341'9"	343'8"	
343'8"	348'4"	Biotite schist or greywacke slumped with minor pyrite blebs ? andalusite.
348'4"	349'	Extensive pyrite and micaceous hematite replacement
349'	353'	
353'	357'8"	Light grey banded finely crenulated micaceous schist.
357'8"	359'	
359'	360'1"	70% sulphide and magnetite.
360'1"	362'4"	Biotite rich clayey greywacke, much clay in joints. Pyrite blebs.
362'4"	364'6"	

DAWESLEY PROJECT Co-ords 1000'S 100'E -50°W

DD1

Footage From	Footage To	Description
364'6"	367'	Breccia mineralized with pyrite magnetite quartz.
367'	371'	
371'	371'8"	Banded greywacke, banding 70° to core.
371'8"	373'	
373'	376'4"	Andalusite schist.
376'4"	381'	
381'	385'8"	Greywacke.
385'8"	391'4"	
391'4"	399'8"	Banding at 395' 70° to core
399'8"	406'8"	Broken core 399'
406'8"	415'2"	
415'2"	423'4"	Banding 60-80° to core.
423'4"	429'4"	Slumped and biotite rock with quartz at 417'.
429'4"	437'	Biotite rich greywacke with pyrite slumped with secondary quartz and pyrite.
439'4"	449'4"	Banded greywacke with magnetite and pyrite bands to 447'6", banding 70-80° to core.
449'4"	459'4"	Banded greywacke, minor magnetite bands.
459'4"	469'4"	Greywacke with occasional magnetite bands, bleached siliceous halo to the bands. (60° to core).
469'4"	471'6"	Dense greywacke with disseminated tarnished pyrite?
471'6"	478'9"	Slumped zone with quartz, tarnished pyrite (?) biotite
478'9"	487'	
487'	488'3"	Banded greywacke with blebs and bands of pyrite (?) Stringers of chlorite.
488'3"	497'3"	Banding 70°-80° to core.

DD1 DAWESLEY PROJECT Co-ords 1000'S 100'E -50°W

Footage From	Footage To	Description
497'3"	507'	Banded phyllitic greywacke, pyrite rich bands, thin wavy siliceous bands grading to milky quartz.
507'	517'	Banding 60° at 504'.
517'	527'	Finer grained bands from 507'.
527'	528'6"	Secondary pyrite at 513'6". Magnetite and pyrite rich 514'-516'. 2" Quartz bands at 518' and 520'3".
528'6"	529'	Quartz.
529'	536'8"	Generally fine grained phyllitic siltstone with rare bands of coarser material.
536'8"	545'4"	Broken Core at 541'6"
545'4"	553'10"	Fractured with chlorite 553'10"-555'.
553'10"	561'8"	Quartz at 583'.
561'8"	569'3"	Banding more apparent from 600'.
569'3"	579'3"	
579'3"	589'	Chlorite bands 610' - 611'.
589'	597'6"	Quartz with cleavage preserved in chlorite.
577'6"	606'6"	Cleavage 65° to core.
606'6"	616'	Bedding at 603' 85° to core.
616'	626'	
626'	636'	Becoming coarser, almost a fine granular texture, biotite - quartz greywacke;
636'	637'	non fissile but cleavage direction indicated by oriented micas.
637'	639'2"	Finer grained beds 70-80° to core axis. Small cut and fill structures face east.
639'2"	639'5"	Quartz, ragged edge replacement with biotite and chlorite(?) (mafics) concentrated round margin.
639'5"	645'8"	Coarser "granular" material, non fissile and only occasionally jointed.
645'8"	655'6"	
655'6"	663'6"	
663'6"	665'4"	Abrupt change to fine phyllitic mudstone.
665'4"	675'2"	(Contact core lost in drilling).
675'2"	676'6"	
676'6"	678'	Slightly coarser biotite quartz "greywacke".

DAWESLEY PROJECT Co-ords 1000'S 100'E - 50°W

DD1

Footage From	Footage To	Description
678'	685'2"	As 663'6" - 676'6".
685'2"	697'2"	
697'2"	705'	Occasional randomly oriented quartz veinlets.
705'	714'9"	Two 1" quartz veins 702' and 703'
714'9"	724'6"	3" quartz vein 714'9"
724'6"	734'3"	½" quartz vein at 730'
734'3"	744'3"	Fine jointing at 15° to core at 731'
744'3"	754'3"	1" Quartz-pyrite at 741'5".
754'3"	764'	Joint 30° to core at 750'.
764'	771'3"	Broken core 751'6" - 754'3". Joint parallel to core axis 754'3"-758'. Rock is non fissile and grain size increases gradually with increasing depth. Bedding obscure, cleavage(?) direction 65° to core at 740'.
771'3"	771'6"	Fine grained micaceous band.
771'6"	772'6"	As 764' - 771'3".
772'6"	773'6"	Biotite quartz and pyrite in a slumped micaceous host, frequent druses and vughs
773'6"	778'6"	formed by groundwater leaching. Pyrite corroded.
778'6"	780'6"	More siliceous with whispy chlorite.
780'6"	782'9"	Siltstone, occasionally jointed with pyrite and pyrrhotite(?) on joints.
782'9"	787'3"	Phyllitic siltstone with flecks and needles of pyrite. Pyrite or pyrrhotite paint in joints. 1" vein at 786'6" with felspar quartz, chlorite, pyrite and trace of galena and sphalerite.
787'3"	793'3"	As 782'9" - 787'3" pyrite decreasing to accessory amounts.

END.

DAWESLEY PROJECT

DD 1

Co-ords 1000'S 100'E - 50° W.

DETAILED CORE RECOVERY

From	To	Length	Core Recovered
0	10'	10'	6"
10'	20'	10'	6"
20'	30'	10'	9'0"
30'	240'	210'	Full Core
240'	244'	4'	3'9"
244'	247'	3'	2'9"
247'	257'	10'	9'2"
257'	267'	10'	9'6"
267'	275'8"	8'8"	6'8"
275'8"	277'1"	1'5"	Full Core
277'1"	287'	9'11"	5'10"
287'	793'3"	506'3"	Full Core
	TOTALS	793'3"	765'4"

i.e. 96.5% recovery.

SEMI-QUANTITATIVE ANALYSIS
BY EMISSION SPECTROSCOPY

Depth From	Depth To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
0'	10'	A740/63	200	20	x 20	8	8	120	20	150	10	xx 3
10'	20'	A741	600	25	x 20	8	10	300	40	250	15	xx 3
20'	30'	A742	400	30	x 20	8	8	300	80	200	30	xx 3
30'	40'	A743	60	18	x 20	50	40	1200	70	1000	80	xx 3
40'	50'	A744	12	18	25	25	40	1200	40	1200	100	xx 3
50'	60'	A745	10	15	40	40	40	1500	50	1000	200	xx 3
60'	70'	A746	15	15	30	40	40	1200	80	1000	100	xx 3
70'	80'	A747	12	15	40	25	30	1500	50	1200	200	xx 3
80'	90'	A748	8	12	30	50	50	1200	30	800	200	xx 3
90'	100'	A749	15	18	40	15	30	1500	40	1200	150	xx 3
100'	110'	A750	8	15	40	20	30	1000	40	1200	200	xx 3
110'	120'	A751	10	15	30	15	30	1200	40	1200	200	xx 3
120'	130'	A752	25	20	40	15	30	1200	50	1200	200	xx 3
130'	140'	A753	12	20	50	8	25	150	40	500	30	1.5
140'	150'	A754	18	20	50	18	40	600	60	1500	300	xx 3
150'	160'	A755	10	15	30	8	25	500	30	400	40	2
160'	170'	A756	10	15	40	18	30	400	40	400	40	1.5
170'	181'	A757	10	20	25	10	30	600	50	600	40	2
181'	182'6"	A758	25	8	40	200	100	2000	x 1	3	30	xx 3
182'6"	190'	A759	12	15	40	10	40	1500	40	800	200	xx 3
190'	200'	A760	30	20	30	40	40	1200	30	700	100	3
200'	210'	A761	10	15	20	25	40	1500	50	1000	200	xx 3

Depth From	Depth To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
210'	220'	A762/63	8	12	25	30	30	1000	40	1000	200	xx 3
220'	230'	A936/63	10	8	20	10	12	600	60	700	150	xx 3
230'	235'	A937	150	10	25	20	25	600	80	600	200	xx 3
235'	240'	A938	350	18	25	30	40	250	100	500	150	xx 3
240'	244'	A939	60	12	40	400	60	200	20	80	80	xx 3
244'	247'	A940	7	12	20	40	15	600	30	800	100	xx 3
247'	257'	A941	10	12	20	10	20	600	40	1000	150	2.5
257'	267'	A942	18	12	20	15	30	600	40	1000	150	xx 3
267'	275'8"	A943	100	10	20	10	25	600	40	800	150	xx 3
275'8"	277'1"	A944	2500	15	30	200	50	700	50	600	100	xx 3
277'1"	287'	A945	30	20	20	10	10	600	50	1000	80	xx 3
287'	299'	A946	8	8	20	8	12	500	50	800	100	xx 3
299'	300'	A947	15	50	40	70	15	600	50	800	200	xx 3
300'	310'	A948	8	5	x 20	3	12	500	60	1000	150	2.5
310'	313'8"	A949	7	4	x 20	2	8	250	20	800	50	2.5
313'8"	316'2"	A950	7	2	x 20	5	8	800	2	10	30	0.5
316'2"	325'	A951	7	5	20	70	15	700	50	1000	80	xx 3
325'	330'	A952	18	4	x 20	8	12	300	40	1200	150	xx 3
330'	335'	A953	8	4	x 20	12	12	500	50	1200	150	xx 3
335'	340'	A954	7	3	x 20	4	8	800	2	150	10	0.6
340'	350'	A955	250	10	x 20	8	10	700	50	1000	80	xx 3
350'	359'6"	A956	7	10	x 20	8	10	600	50	800	100	3

Depth From	Depth To	Sample Mark	Copper Cu	Lead Pb		Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn		Iron Fe
359'6"	360'6"	A957/63	500	10		25	150	25	250	80	250	150	xx	3
360'6"	361'6"	A958	20	8	x	20	20	20	1000	20	400	80		3
361'6"	364'9"	A959	12	10	x	20	8	10	180	30	250	10		2
364'9"	369'4"	A960	80	20	x	20	20	20	200	50	500	60	xx	3
369'4"	370'10"	A961	1000	50		60	150	40	150	60	800	300	xx	3
370'10"	381'	A962	10	10	x	20	5	10	300	50	700	150		2.5
381'	391'	A963	10	8	x	20	8	10	700	50	600	200		2.5
391'	401'	A964	7	8	x	20	7	12	700	50	600	200		3
401'	411'	A965	6	8	x	20	5	12	800	40	700	200		3
411'	421'	A966	8	10	x	20	8	12	700	50	1000	200		3
421'	431'	A967	10	7		20	10	15	600	40	800	200		3
431'	436'	A968	6	12		25	18	12	700	30	800	150	xx	3
436'	440'	A969	6	8		20	15	15	1000	50	1000	250	xx	3
440'	443'6"	A970	6	12		30	50	20	700	40	400	150	xx	3
443'6"	445'9"	A971	6	15	x	20	400	60	20	15	80	20	xx	3
445'9"	455'9"	A972	6	12		20	5	10	600	40	600	200	xx	3
455'9"	465'9"	A973	5	15		20	10	10	500	30	700	200	xx	3
465'9"	475'9"	A974	8	8		20	15	12	800	60	800	250	xx	3
475'9"	485'9"	A975	10	8		20	15	15	500	50	1000	250	xx	3
485'9"	490'6"	A976	5	10		20	10	10	700	50	1200	200		3
490'6"	500'	A1015/63	6	12		25	20	25	1200	60	4000	0.05	xx	3

Depth From	Depth To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
500'	510'	A1016/63	30	40	25	80	40	1500	80	2500	0.03	xx 3
510'	514'	A1017	3	20	30	400	40	1000	80	2500	0.06	xx 3
514'	516'	A1018	7	25	50	400	40	1200	500	2000	0.05	xx 3
516'	526'	A1019	10	12	25	20	40	1500	150	3000	0.08	xx 3
526'	534'	A1020	12	10	20	8	25	2000	80	3000	0.05	xx 3
534'	540'	A1021	10	8	25	6	30	1000	50	2500	0.02	3
540'	550'	A1022	180	12	20	10	30	1800	150	2500	0.04	3
550'	560'	A1023	4	10	25	8	30	1500	30	2000	0.03	3
560'	570'	A1024	3	8	20	5	18	1500	30	2000	0.02	2.5
570'	580'	A1025	60	8	20	15	25	1800	80	2000	0.02	3
580'	590'	A1026/63	25	8	20	8	30	1500	80	2000	0.02	3
590'	600'	A1027	4	8	25	5	25	1500	50	2500	0.03	xx 3
600'	610'	A1028	5	10	30	6	50	2000	70	3000	0.05	xx 3
610'	620'	A1029	5	12	25	4	25	1200	50	2500	0.02	2.5
620'	630'	A1030	7	15	20	3	30	2000	60	3000	0.02	2
630'	640'	A1031	7	12	30	5	30	2000	100	3000	0.03	2
640'	650'	A1032	5	15	25	3	20	1800	100	2500	0.03	2.5
650'	660'	A1033	7	12	25	4	30	2000	70	2500	0.02	2.5
660'	670'	A1034	6	15	25	5	30	2000	70	2000	0.02	2
670'	680'	A1035	25	12	25	5	30	1800	150	3000	0.02	2
680'	690'	A1036	25	12	20	5	30	2000	100	3000	0.05	xx 3
690'	700'	A1037	10	8	40	7	30	2000	100	3000	0.04	2.5

Depth From	Depth To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
700'	710'	A1038/63	5	20	40	4	30	2000	100	2500	0,03	3
710'	720'	A1039	50	15	30	4	30	2000	100	2500	0.03	3
720'	730'	A1040	12	15	30	5	30	2500	60	2000	0.02	2
730'	740'	A1041	15	20	25	4	20	1800	60	3000	0.02	2
740'	750'	A1042	18	20	25	4	40	2500	50	4000	0.02	2
750'	760'	A1043	5	10	25	7	25	2000	50	1500	0.03	3
760'	770'	A1044	8	20	40	5	30	2000	50	2000	0.02	2.5
770'	772'6"	A1045	50	20	50	12	30	2000	50	900	0.04	xx 3
772'6"	778'6"	A1046	200	150	250	50	50	1200	250	900	0.04	xx 3
778'6"	780'6"	A1047	18	80	400	8	30	2000	200	1000	0.05	xx 3
780'6"	782'9"	A1048	15	100	100	3	5	700	200	900	0.03	1.5
782'9"	787'3"	A1049	50	500	600	25	50	900	200	1000	0.05	xx 3
787'3"	793'3"	A1050	25	300	400	20	40	2000	200	1000	0.04	xx 3

Results in p.p.m. except Mn, & Fe in %

xx indicates greater than

x indicates less than

Analysis by: A.B. Timms, D. McPharlin and S. Alexander.

DEPARTMENT OF MINES
SOUTH AUSTRALIA

DIAMOND DRILL LOG

DAWESLEY ANOMALY

DD 2

Logged by

R. C. Mirams.

6621-3181

DEPARTMENT OF MINES
SOUTH AUSTRALIA

TD
228.80

DIAMOND DRILL LOG

PROJECT: DAWESLEY ANOMALY 24°(?) HOLE NO.: DD 2

CO-ORD.: 1000'N 500'E - 60°W SEC.: 5353 HD.: KANMANTOO

PLANT NO.: 17 DRILLER: GERGYE

DATE COMMENCED: 25/3/63 DATE COMPLETED: 18/7/63

DOCKET NO.: 2221/61 BORE SERIAL NO.: 115/63

LOGGED BY: R.C.M.

Log Comprises

1. Geological Log
2. Detailed Core Recovery
3. Spectrographic Results
4. Chemical Assays

GEOLOGICAL LOG

Depth From	Depth To	Description
0	10'	Knotted andalusite schist.
10'	14'8"	Weathered 13' - 14'8"
14'8"	19'4"	
19'4"	24'	
24'	28'8"	
28'8"	33'4"	
33'4"	38'	Banded biotite schist.
38'	38'9"	Sheared and sericitized and with partial quartz replacement.
38'9"	42'8"	Quartz with exsolved(?) biotite in blebs and
42'8"	44'4"	stringers.
44'4"	47'4"	Crenulated biotite schist.
47'4"	51'7"	
51'7"	52'	Crenulated biotite schist partially replaced
52'	54'6"	by quartz.
54'6"	56'8"	
56'8"	58'7"	Quartz, brecciated appearance, faint relict banding.
58'7"	61'4"	Biotite schist.
61'4"	66'	
66'	70'8"	Trace pyrite at 74'8"
70'8"	75'4"	Banding at 45° approximately at 73'.
75'4"	80'	Andalusite from 79'
80'	84'8"	Banding generally irregular in attitude,
84'8"	89'4"	slumped or crumpled, almost parallel
89'4"	94'	to core at 86'.

Depth From	Depth To	Description
94'	98'8"	Predominantly andalusite biotite schist. Slumped, minor pyrite (?) blebs.
98'8"	103'4"	
103'4"	106'	
106'	108'	
108'	117'10"	
117'10"	122'6"	
122'6"	127'	
127'	137'	
137'	139'8"	
139'8"	140'6"	
140'6"	142'	Brecciated and replaced by quartz.
142'	147'	Disturbed zone. Biotite - muscovite - sericite schist some andalusite, replaced by quartz in more brecciated zones. Blebs of pyrite(?) garnet and chlorite near 150'. Radial carbonate and chlorite(Pet. required) Micaceous 158' - 160'. Calcite (?) in druses.
147'	156'6"	
156'6"	160'	
160'	169'6"	
169'6"	174'2"	
174'2"	179'	
179'	188'9"	
188'9"	190'6"	
190'6"	191'6"	Quartz.
191'6"	191'9"	Sericite lathes in chlorite matrix.
191'9"	198'8"	Biotite chlorite sericite schist (?) banded, crumpled and crenulated banding, stringers and blebs of pyrite (?), banding 50° - 60° to core (average).
198'8"	208'6"	
208'6"	218'3"	As 191'9" - 208'6" with some andalusite blasts and core weakly magnetic.
218'3"	220'	
220'	224'4"	Banded siltstone with garnet, magnetite and pyrite banding 60° to core (average). Blebs of pyrite scattered through rock. Magnetite tends to be bedded garnet rich at 224'
224'4"	228'3"	Banded siltstone with soapy clay partings usually on bedding. Blebs of pyrite little or no magnetite.
228'3"	234'3"	
234'3"	238'	
238'	240'	Leached and drusy magnetite and pyrite rich sheared band. Core broken with fragmentary quartz and quartz biotite replacements.
240'	244'3"	Greywacke with pyrite blebs and fine garnet.
244'3"	246'	
246'	247'3"	Quartz biotite replaced (?) crush zone.
247'3"	249'6"	Silicified finer grained pyritic siltstone, phyllitic, core fragmentary to 251' Occasional coarser blebs of pyrite.
249'6"	254'4"	
254'4"	259'	
259'	260'	
260'	261'6"	Banded pyritic siltstone darker bands (non magnetic) pyrite blebs.
261'6"	263'8"	
263'8"	265'	
265'	268'4"	Brecciated grey siltstone, chlorite and minor garnet in matrix relict banding in places. Hematite staining at 265' and 266'3". Pyrite rich in patches.
268'4"	272'4"	

Depth From	Depth To	Description
272'4"	275'6"	Brecciated grey siltstone, chlorite in slips. Pyrite blebs and specks.
83 04	84.61	
275'6"	277'6"	Dense dark pyrite, magnetite garnet rock with patches of muscovite and biotite.
277'6"	277'10"	Micaceous grey schist.
277'10"	288'6"	Grey micaceous siltstone, stringers and lenses of pyrite banding 50-60° to core axis.
288'6"	290'9"	As 277'10"-288'6". Sheared, pyrite tends more to blebs. Chlorite on shears.
290'9"	291'9"	Quartz with minor biotite, chlorite and pyrite.
291'9"	296'	Grey biotite siltstone with occasional blebs of pyrite.
296'	297'2"	Biotite schist.
297'2"	298'	Siltstone.
298'	301'	Sheared clayey (in part) mica schist, banding 55-65°.
301'	301'2"	Slumped quartz biotite with minor pyrite.
301'2"	327'	Siltstone with mica rich and chlorite(?) whispy bands and stringers (approaching phyllitic greywacke).
327'	331'6"	Ditto. Whispy biotite and wavy quartz bands.
331'6"	333'2"	Quartz with biotite and massive pyrite patches.
333'2"	337'	Slumped and crenulated biotite schist with veinlets and blebs of pyrite.
337'	363'6"	Banded pyritic schist and fine greywacke. Banding 60° to core. Minor pyrite only from 350'. Drusy at 355' (approximately) with pyrite.
363'6"	364'3"	Fractured and weathered with quartz.
364'3"	369'	Greywacke micaceous stringers and pyrite flecks.
369'	369'6"	Fractured with quartz.
369'6"	395'	Micaceous greywacke - occasional blebs of pyrite. Banding 65° to core axis at 384' " 60° " " " " 394'.
395'	395'6"	Quartz replacement with chlorite and biotite.
395'6"	419'3"	Micaceous or phyllitic greywacke. Slumped and irregular bedding. Quartz and pyrite vein at 405', blebs of pyrite. Banding 60° approx. to core.
419'3"	419'5"	Slumped pyrite.

Depth From	Depth To	Description
419'5"	421'1"	As 395'6" - 419'3".
421'1"	421'10"	Quartz.
421'10"	444'6"	Micaceous or phyllitic greywacke.
444'6"	444'9"	Broken with quartz.
444'9"	456'	Micaceous banded greywacke.
456'	468'	Coarser micaceous greywacke with minor coarse andalusite.
468'	480'	Greywacke quartz at 470'6".
480'	484'	Pyritic bed 10% pyrite.
484'	485'6"	Greywacke.
485'6"	503'4"	Biotite chlorite(?) schist with up to 20% pyrite. 1' of quartz with pyrite at 490'6" to 491'6". Banding at 493' 25° to core " " 502' 90° " "
503'4"	523'	Banded biotite siltstone and schist. Some pyritic bands, banding 60-80° to core. Slumped or wavy in places.
523'	545'	Greywacke - phyllitic.
545'	582'8"	Weakly banded greywacke with mica rich bands. Slumping in biotite rich zones. Banding at 565' 70°-90° to core.
582'8"	583'2"	Quartz vein with minor chlorite.
583'2"	584'7"	As 545' - 582'8".
584'7"	586'2"	As 545' - 582'8" with porphyroblasts of ?andalusite.
582'6"	610'	Weakly banded greywacke and biotite schist. Slumped in biotite zones, minor ? andalusite. Some replacement quartz in biotite slumps.
610'	614'	Crenulated biotite schist with 5% andalusite in approximately ¼" aggregates.
614'	618'	Silty biotite schist.
618'	619'7"	As 614-618', fractures with clayey joints.
619'7"	628'	Silty biotite schist, little or no andalusite.
628'	629'11"	Fractured, banded biotite rich schist and siltstone. Banding 75° to core axis.
629'11"	635'	Silty biotite schist, flecks of andalusite.
635'	635'2"	Slumped zone with quartz replacement. Small shear at 70° to core with minor chlorite and garnet.

Depth From	To	Description
635'2"	641'	Biotite andalusite schist. Banding at 50° to core at 636'.
641'	643'10"	Slumped almost brecciated zone.
643'10"	645'8"	Silty biotite schist.
645'8"	649'	Silty biotite schist brecciated and mineralized.
649'	649'1"	Shear at 60° to core with garnet chlorite and ?chalcopyrite.
649'1"	649'8"	Siltstone with flecks of chlorite.
649'8"	651'	Banded siltstone with biotite and chlorite rich stringers.
651'	652'2"	As above with chlorite flecks.
652'2"	655'	Biotite schist, some slumping.
655'	659'7"	Phyllitic siltstone, occasional random veinlets.
659'7"	660'3"	Andalusite schist.
660'3"	678'	Banded biotite schist, banding 70-90° to core.
678'	681'8"	Phyllitic siltstone with flecks of chlorite and garnet.
681'8"	682'10"	Phyllitic siltstone or greywacke.
682'10"	683'	Chlorite rich band, at 40° approximately to core ?replacement near fracture.
683'	686'5"	Siltstone slumped and with some andalusite and chlorite in places.
686'5"	686'10"	Garnet-chlorite rich zone ?chalcopyrite and veinlet of ?pyrite.
686'10"	688'7"	Phyllitic siltstone.
688'7"	688'10"	Shear.
688'10"	696'3"	Biotite siltstone zone slumping, banding 60°-90° to core.
696'3"	696'4"	Mineralized joint or shear at 30° to core.
696'4"	706'	As 688'10" - 696'3".
706'	744'6"	Biotite andalusite schist, slumped in places. Weathered and fractured 727-727'9". " " " 734-736'
744'6"	750'8"	Phyllitic greywacke.
		END OF HOLE.

SEMI-QUANTITATIVE ANALYSIS BY EMISSION SPECTROSCOPY

Footage From	Footage To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
0	10'	A1111/63	8	4	20	20	25	800	80	300	150	xx 3
10'	20'	A1112	6	5	20	8	20	800	60	400	100	3
20'	30'	A1113	8	4	25	10	20	1000	80	500	200	xx 3
30'	40'	A1114	10	6	25	10	20	1000	70	400	150	xx 3
40'	50'	A1115	30	5	25	10	25	2000	60	300	200	xx 3
50'	60'	A1116	15	4	20	10	25	1500	80	700	300	xx 3
60'	70'	A1117	50	18	25	12	15	1000	70	300	150	xx 3
70'	80'	A1118	10	5	25	12	20	800	80	400	150	xx 3
80'	90'	A1119	10	5	20	8	15	800	100	600	250	xx 3
90'	100'	A1120	30	6	25	12	20	800	100	500	200	xx 3
100'	110'	A1121	25	6	25	10	18	800	80	500	200	xx 3
110'	120'	A1122	5	5	20	8	18	800	100	700	300	xx 3
120'	130'	A1123	20	5	20	10	18	1000	100	500	300	3
130'	140'	A1124	5	5	25	15	15	700	60	500	250	3
140'	150'	A1125	20	7	20	15	18	1000	150	600	300	3
150'	160'	A1126	50	5	20	12	20	800	80	700	200	2.5
160'	170'	A1127	5	6	25	6	25	800	150	600	250	xx 3
170'	180'	A1128	20	6	20	25	25	800	150	800	250	xx 3
180'	190'	A1129	20	4	x 20	6	15	800	70	800	200	3
190'	200'	A1130	30	12	x 20	7	15	1000	150	1000	300	3
200'	210'	A1131	4	8	25	10	25	1000	80	800	200	xx 3

Footage From	Footage To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
210'	220'	A1132/63	15	7	20	12	18	700	70	700	150	2
220'	230'	A1133	25	8	20	15	18	500	60	700	150	xx 3
230'	240'	A1134	12	6	xx 20	12	18	1200	100	1000	150	xx 3
240'	250'	A1135	8	8	30	30	20	1200	70	1000	150	xx 3
250'	260'	A1136	10	10	20	20	25	1000	100	1000	150	xx 3
260'	272'4"	A1137	8	10	20	18	18	1200	50	700	200	xx 3
272'4"	275'6"	A1225/63	150	12	x 20	40	100	1000	100	300	80	3
275'6"	276'6"	A1226	xx10,000	18	100	400	150	300	180	40	180	xx 3
276'6"	280'	A1227	7000	15	20	150	100	1000	150	400	180	xx 3
280'	290'	A1228	120	10	x 20	25	60	700	120	400	60	3
290'	300'	A1229	90	12	x 20	15	100	1200	100	500	180	3
300'	310'	A1230	10	12	x 20	15	100	1000	50	1200	150	1
310'	320'	A1231	12	15	x 20	12	80	800	80	1200	180	0.8
320'	331'6"	A1232	10	12	x 20	15	100	1200	70	1000	200	1
331'6"	333'2"	A1233	18	5	20	50	100	1000	20	350	50	0.8
333'2"	340'	A1234	25	18	25	40	120	1000	100	700	150	2
340'	350'	A1235	8	12	50	40	120	1000	80	800	200	1
350'	360'	A1236	20	10	x 20	7	100	800	50	400	90	0.7
360'	374'8"	A1237	15	10	x 20	4	80	1500	150	1000	180	1.5
374'8"	380'	A1361/63	10	10	20	8	20	800		1200	200	2
380'	390'	A1362	12	8	20	12	25	800		900	150	2
390'	400'	A1363	12	12	20	12	20	300		500	80	1

Footage From	Footage To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn	Iron Fe
400'	410'	A1364/63	15	12	20	20	25	600		900	200	2
410'	420'	A1365	8	8	20	8	25	600		1200	300	2
420'	430'	A1366	6	10	25	5	20	600		1200	300	3
430'	440'	A1367	10	12	25	8	25	600		400	100	1.5
440'	450'	A1368	12	15	25	10	25	500		1200	250	1.5
450'	460'	A1369	8	12	20	6	30	500		500	100	1.5
460'	470'	A1370	8	12	25	5	30	500		600	100	2
470'	480'	A1371	8	10	20	5	25	600		800	150	2
480'	490'	A1372	400	8	30	40	40	800		500	40	xx 3
490'	500'	A1373	50	10	30	25	30	1000		300	200	xx 3
500'	510'	A1374	8	8	25	20	25	600		700	300	xx 3
510'	520'	A1375	10	8	30	15	40	500		300	300	xx 3
520'	523'	A1376	150	12	20	8	25	500		600	100	1.5
523'	530'	A1377	10	12	20	8	20	500		1000	250	2
530'	540'	A1378	10	8	20	10	25	500		800	150	2
540'	550'	A1379	20	10	20	10	30	400		800	80	2
550'	560'	A1380	8	6	30	10	30	400		800	100	2
560'	570'	A1381	8	10	x 20	10	30	500		800	80	1
570'	580'	A1382	15	8	25	10	30	400		500	100	2
580'	590'	A1383	15	12	25	8	30	400		400	100	2
590'	600'	A1384	6	15	25	10	30	300		600	200	2
600'	610'	A1385	10	8	x 20	10	30	500		1000	80	1.5

Footage From	Footage To	Sample Mark	Copper Cu	Lead Pb	Zinc Zn	Cobalt Co	Nickel Ni	Chromium Cr	Vanadium V	Barium Ba	Manganese Mn		Iron Fe
610'	620'	A1648/63	20	5	80	18	30	1000	40	700	150		2
620'	630'	A1649	2	4	25	15	40	600	50	700	150		3
630'	640'	A1650	2	10	20	15	40	500	50	800	150		2
640'	650'	A1651	20	6	30	12	30	600	40	500	150		3
650'	660'	A1652	5	2	40	6	30	600	40	500	150		1.5
660'	670'	A1653	2	4	25	8	30	500	50	600	200		3
670'	680'	A1654	8	6	40	10	50	800	50	600	200		2.5
680'	690'	A1655	25	6	50	8	25	800	60	50	300	xx	3
690'	700'	A1656	40	8	60	12	50	400	60	700	150	xx	3
700'	710'	A1657	6	8	30	12	40	400	60	800	200		3
710'	720'	A1658	4	4	50	15	40	600	50	700	300		3
720'	730'	A1659	5	8	50	15	30	300	40	800	150		3
730'	740'	A1660	20	10	40	18	30	1000	50	800	150		2.5
740'	750'8"	A1661	100	8	50	20	50	800	60	800	400	xx	3

xx indicates Greater than
Results in p.p.m. except Fe in %
Analysis by: G. Holden.

CHEMICAL ASSAYS

Sample	Footage	Spectro (ppm)	Chem. (%)
A 1226/63	275'6" - 276'6"	10,000 +	1.22
A 1227/63	276'6" - 280'	7,000	0.95.

ABC	Cu	Pb	Zn	Ag
1697	25	10	30	<01
1685	40	12	30	<01
1679	25	4	<20	01
1677	30	10	30	01
1676	60	3	<20	02
1689	50	10	30	04
1690	40	18	40	<01
1691	50	10	60	<01
1692	40	15	60	<01
1694	50	12	60	01
1696	25	12	20	<01
1698	20	15	50	<01
1700	25	15	50	<01
1701	20	15	60	1
1703	15	10	60	<01
1704	12	15	60	<01
1705	12	15	100	<01
1708	20	15	40	04
1709	12	15	60	<01
1711	15	18	60	03
1713	25	20	30	<01
1715	5	15	<20	<01
1717	30	18	25	01
1718	12	20	25	<01

600 S 350 W

ABC	Cu	Pb	Zn	Ag
114	25	15	120	<01
115	40	12	<20	01
116	20	10	<20	02
117	15	12	<20	<01
118	40	15	50	09
119	20	15	60	09
120	25	18	60	03
121	40	18	60	10
1112	12	25	50	<01
1113	40	60	250	10
1114	50	15	200	<01
1115	5	12	30	<01
1116	6	15	30	<01
1117	5	8	30	01
1118	10	15	30	01
1119	20	15	30	<01
1120	50	40	50	<01

N 600 S 000

2000 S

ABC	Cu	Pb	Zn	Ag
1121	500	25	40	<01
1122	12	18	40	01
1123	40	20	50	<01
1124	150	15	40	02
1125	200	25	40	04
1126	15	15	40	01
1127	40	40	30	<01
1128	60	25	30	50
1129	15	20	40	<01
1130	30	30	25	<01
1131	30	15	40	<01
1132	25	25	40	<01
1133	40	25	30	<01
1134	40	15	40	120
1135	40	20	40	<01
1154	15	20	30	<01
1155	5	8	30	02
1665				
1664				
1156	5	10	25	<01
1157	7	20	25	02
1158	7	20	40	01
1159	8	25	50	<01
1160	15	18	60	<01
1162	250	25	200	01

1200 N

ABC	Cu	Pb	Zn	Ag
1171	6	18	<20	01
1174	30	12	40	<01
1175	30	12	25	<01
1177	12	12	30	02
1178	250	8	30	<01
1179	30	25	40	<01
1181	5	10	25	<01
1183	15	10	25	02
1185	10	10	20	01
1186	8	10	25	02
1188	12	10	50	01
1189	250	30	60	01
1190	5	18	25	02
1197	3	15	20	<01
1191	5	12	20	01
1193	6	25	30	<01
1185	8	10	20	02
1196	6	20	20	<01

N 600

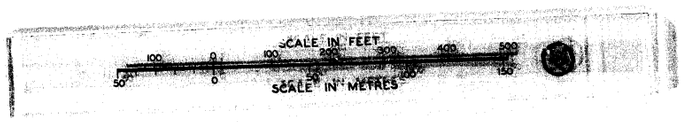
3000 S

ABC	Cu	Pb	Zn	Ag
1164	8	12	20	<01
1166	10	3	<20	01
1168	15	10	20	01
1171	6	18	<20	01
1174	30	12	40	<01

4000 S

ABC	Cu	Pb	Zn	Ag
999	25	20	40	01
1001	12	25	280	02
1203	200	70	300	03
1207	20	18	60	01
1209	8	12	<20	01
1211	35	6	25	01
1213	60	15	40	<01
1214	30	18	40	02
1217	350	30	20	1
1219	12	20	45	
1222	15	8	50	02
1225	8	15	40	02
1227	25	12	50	02
1229	100	30	<20	01
1231	50	25	30	<01
1233	5	10	25	<01
1235	7	12	25	01
1239	40	18	30	01
1245	10	18	30	<01

4000 N



DAWESLEY AEROMAGNETIC ANOMALY.

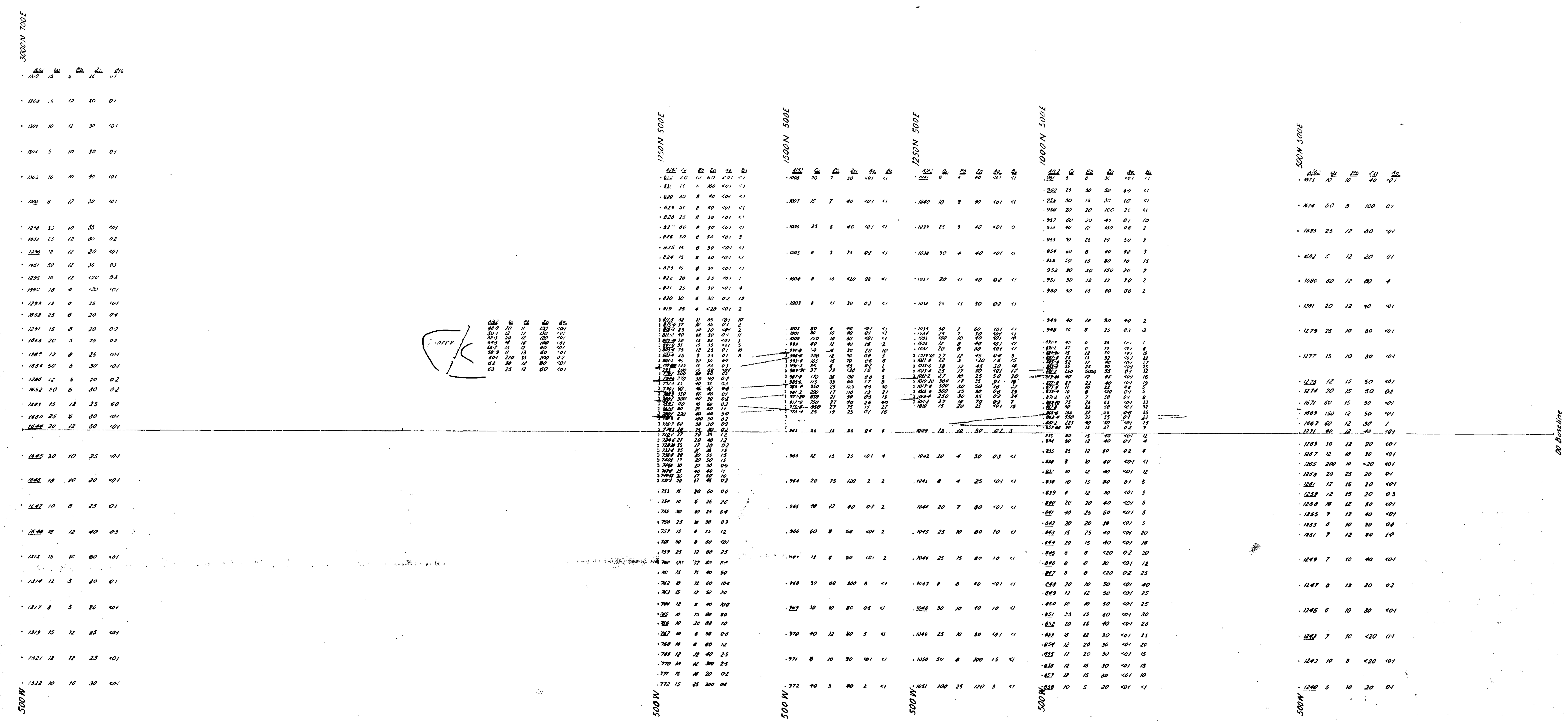
GEOCHEMICAL SAMPLING PLAN — SOUTH

Hb. KANMANTOO

L62-37.
Hb 6

To accompany report by R.C. Mirams. Associated Drawing Plan No. 62-135 Hb6

Drawn by C.W.F. on the 5-4-62 Scale: 100 Ft. to 1 in.



Soil samples shown by line under A/62 number.

To accompany report by R.C. Mirams.

S.A. DEPT. OF MINES

Associated Drawing	No.	Amendment	Exd.	Date
Dawesley Anomaly: South	L62-37			

Reg. No.
D.M.
Compiled from

DAWESLEY AEROMAGNETIC ANOMALY.

Geochemical Sampling Plan — North.

Hd. Kanmantoo

Approved	Passed
Director of Mines	

Drn. CWF
Tcd. CWF
Ckd.
Exd.

Scale 100 feet to 1 inch

62-135 H66

Date 19-3-62