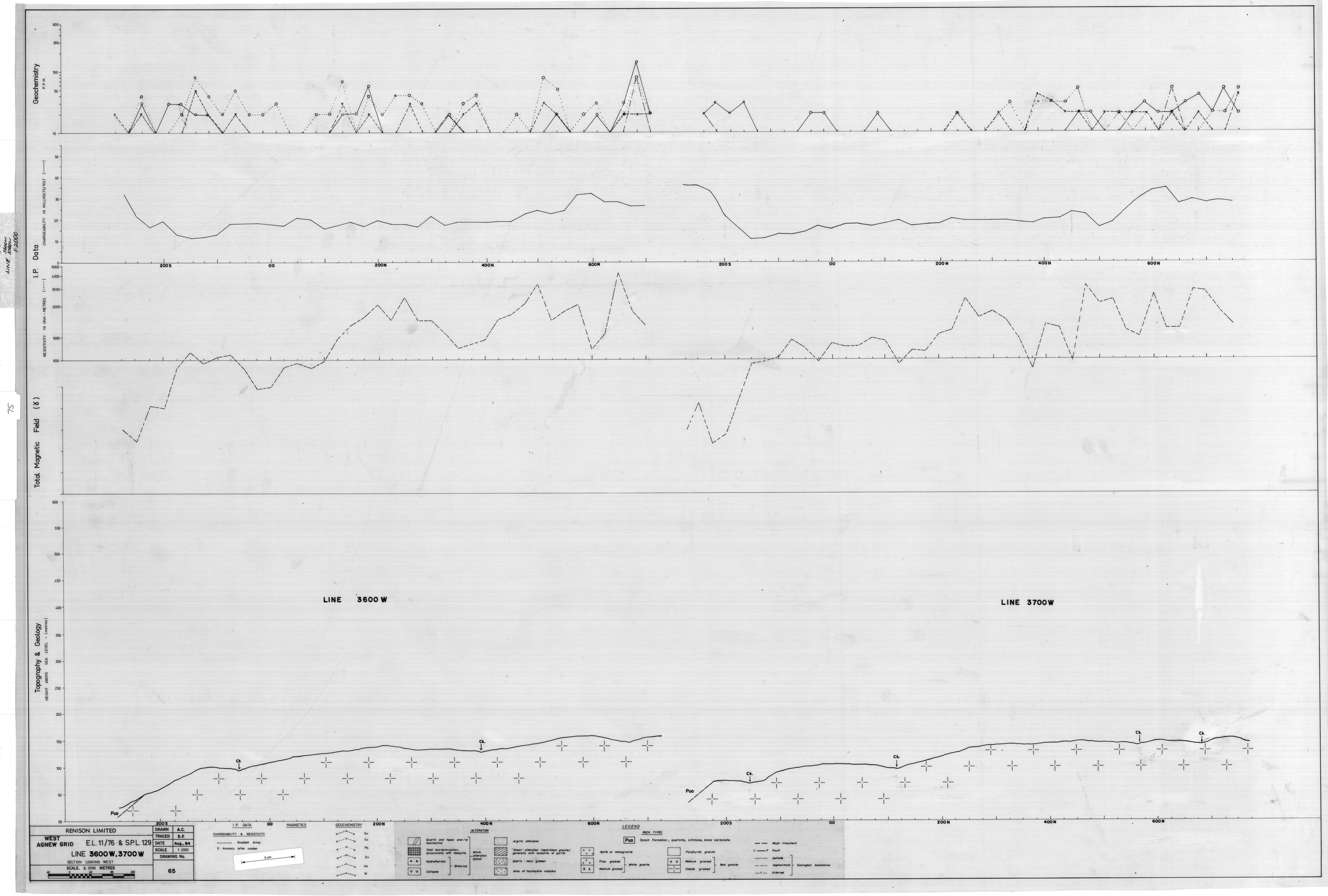
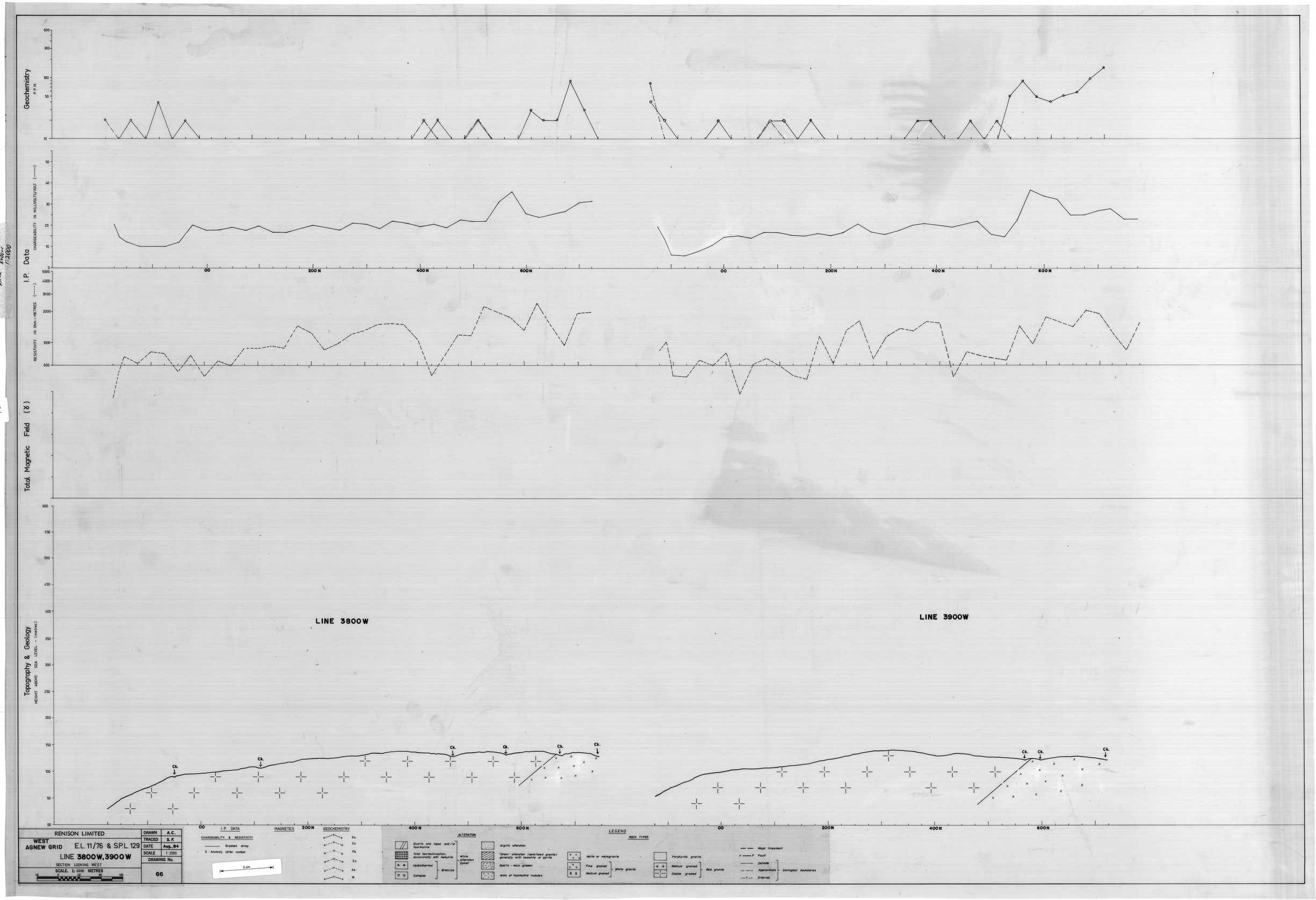


HEEMSKIRK GRANITE AREA
WEST AGNEW GRID
WEST AGNEW
LINE 3600W 3700W
1:2000

85-2426
Heemskirk Granite Area
(Agnew and West Agnew)
(E.L. 11/76 & S.P.L. 129)

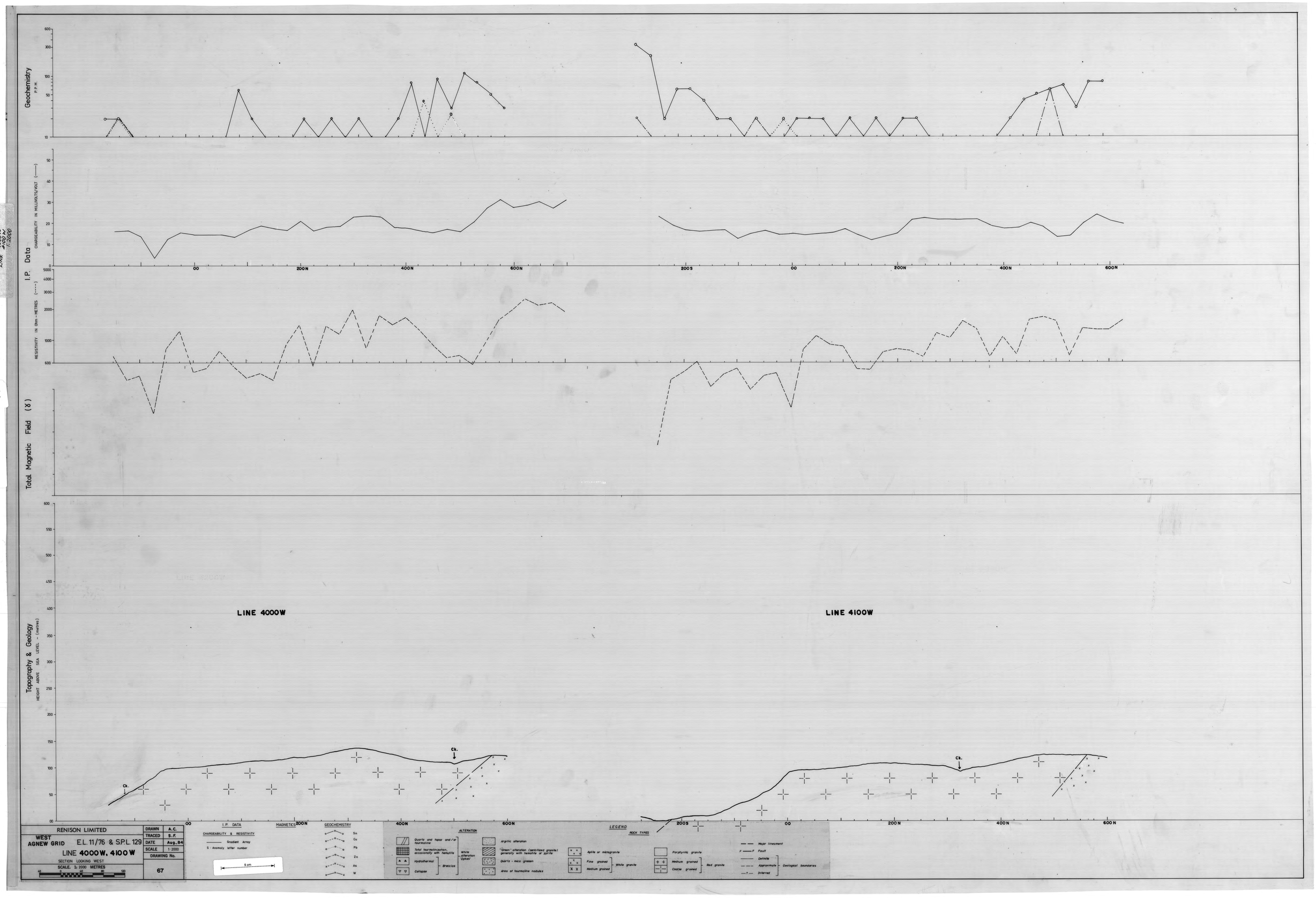
75



HEEMSKIRK GRANITE AREA
WEST AGNEW GRID
LINE 3800W 3900W
1:2000

83-2426
Heemskirk Granite Area
(Agnew and West Agnew)
(E.L. 11/76 & S.P.L. 129)

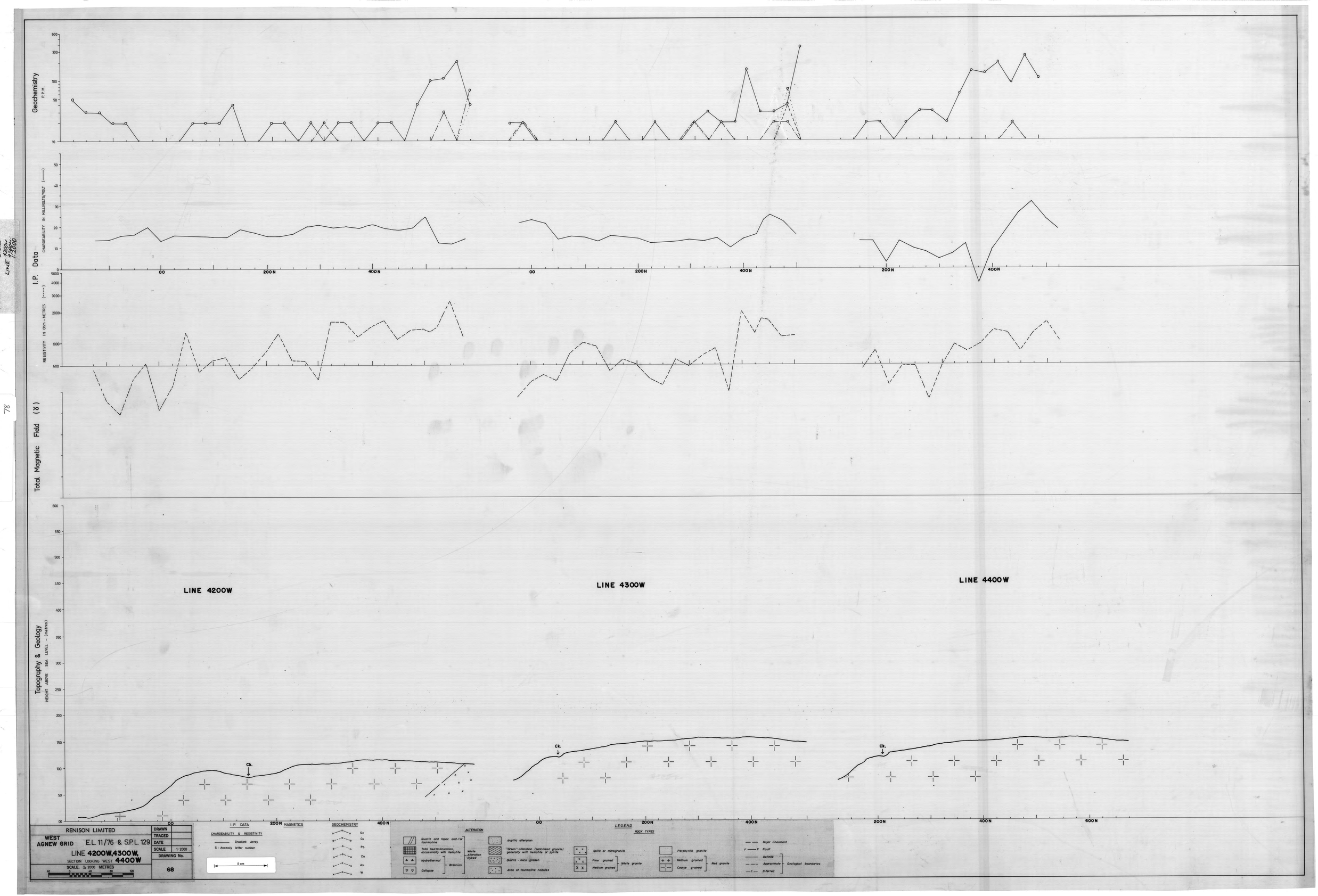
76



HEEMSKIRK GRANITE AREA
WEST AGNEW
WEST AGNEW GRID
LINE 4000W 4100W 1:2000

85-2426
Heemskirk Granite Area
(Agnew and West Agnew)
(E.L. 11/76 & S.P.L. 129)

77



HEEMSKIRK GRANITE AREA
WEST AGNEW
WEST AGNEW GRID
LINE 4200W 4300W 1:2000

85-2426
Heemskirk Granite Area
(Agnew and West Agnew)
(E.L. 11/76 & S.P.L. 129)

78

W. N. W.

E. S. E.

300 m

200 m

100 m

00 m

Upper 'flat' part of Sweeney mineralisation projected onto section

SWY 11
23m × 1·17% Sn incl. 0·81% Sn as stanite
1·70% Zn, 121 g/t Ag

SWY 14
24m × 0·27% Sn incl. 0·17% Sn as stanite
0·52% Zn, 42 g/t Ag

SWY 17

SWY 18

Hole within 5m - 8m of chargeable zone according to downhole geophysical log.

Hole approaches closest to and passes above chargeable zone according to geophysical log.

SWY 16

SWY 15
31·4m × 0·62% Sn, incl. 0·09% Sn as stanite
1·92% Zn, 31 g/t Ag

5 cm

RENISON LIMITED

SWEENEY MINE

LONGITUDINAL PROJECTION ALONG PRESUMED STRIKE OF LOWER SWEENEY MINERALISATION
(APPROXIMATELY 102° MAG)

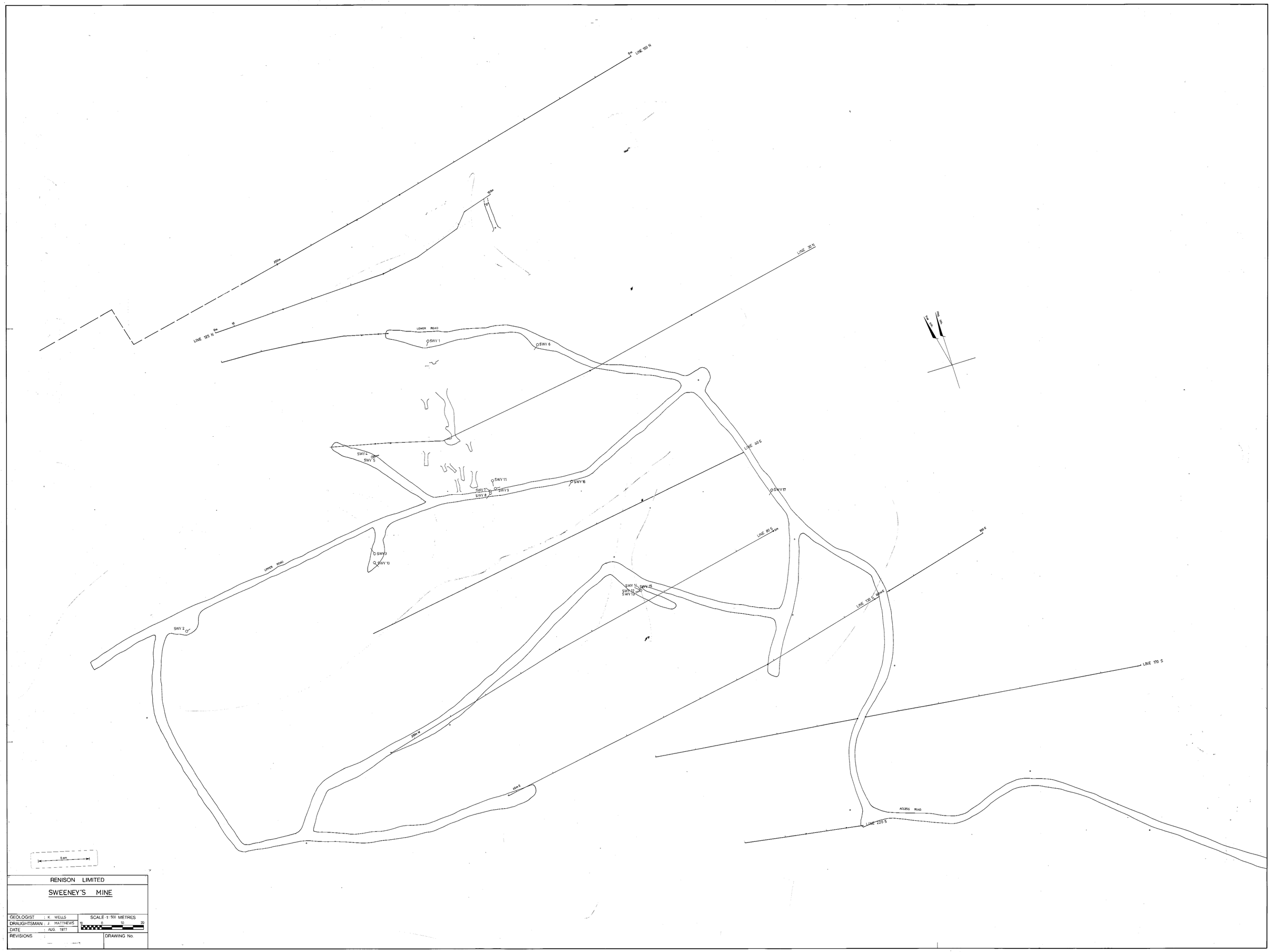
GEOLOGIST	: K. WELLS
DRAUGHTSMAN	: J. MATTHEWS
DATE	: JUNE 1979
REVISIONS	:

SCALE 1:1000 METRES
10 0 10 20

DRAWING No.

HEEMSKIRK GRANITE AREA
SWEENEYS LONGITUDINAL ON
102° MAG. SHOWING LOWER
MINERALISED BODY (SWY 7)
1:1000

79
85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E. L. 11/76 & S. P. L. 129)



RENISON LIMITED

SWEENEY'S MINE

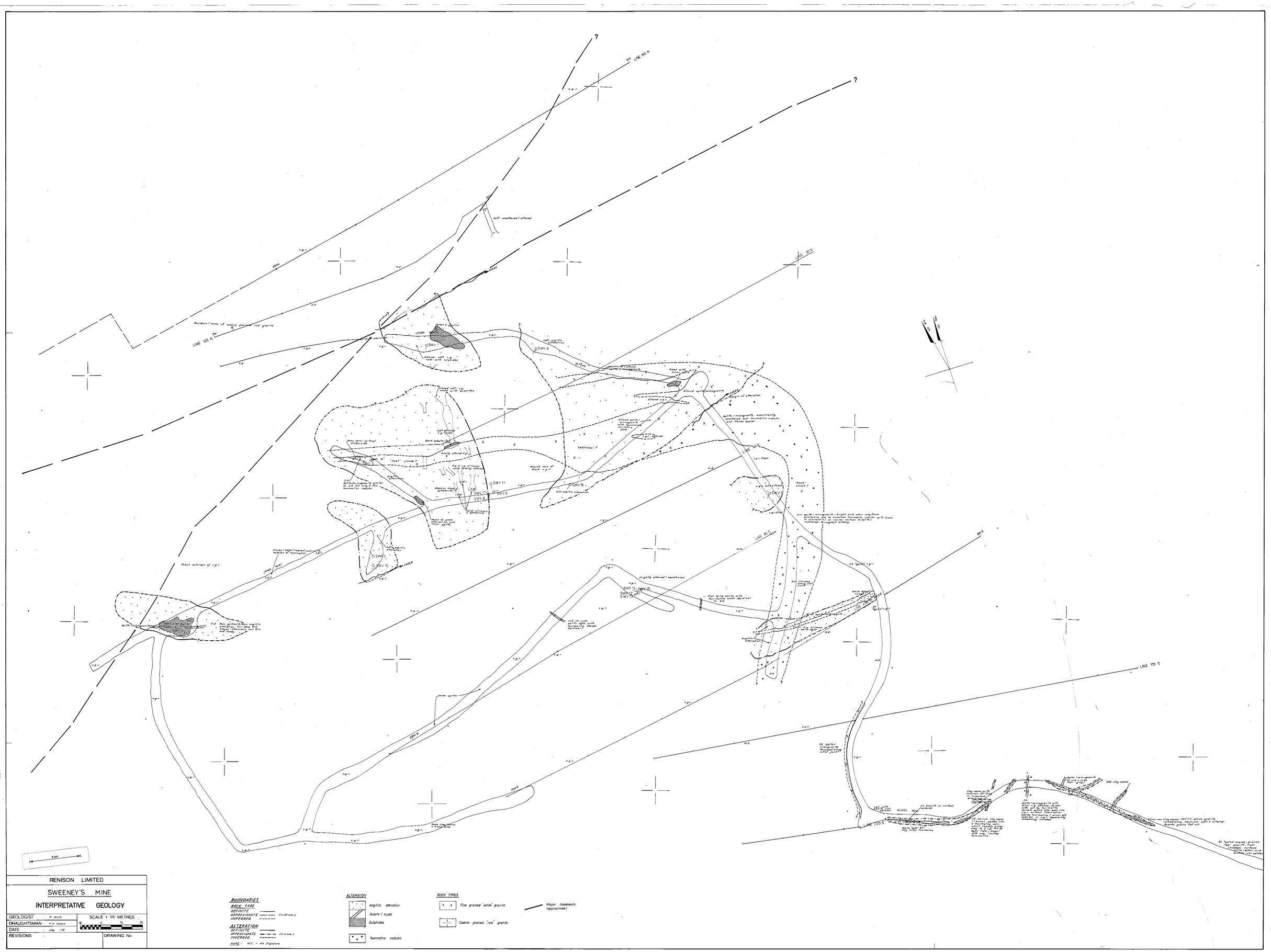
GEOLOGIST : K. WELLS	SCALE 1:500 METRES
DRAUGHTSMAN : J. MATTHEWS	10 0 10 20
DATE : AUG. 1977	
REVISIONS :	DRAWING No.

SWEENEY'S MINE AREA

1:500

85 - 2426
Heenskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

80



Heemskirk Granite Area
Sweeney's Interp. Geology

83 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

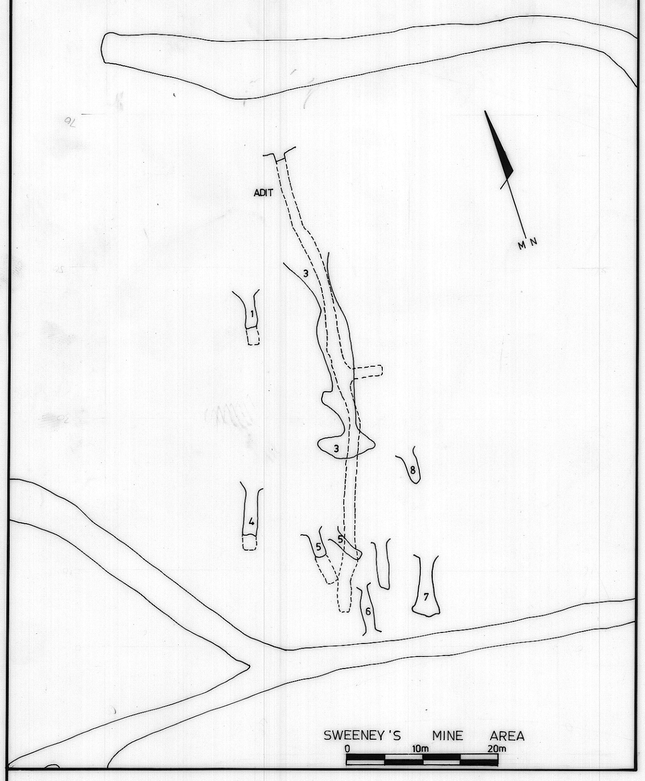
18

HEEMSKIRK GRANITE AREA
SWEENEY'S GEOLOGY FACT
1:500

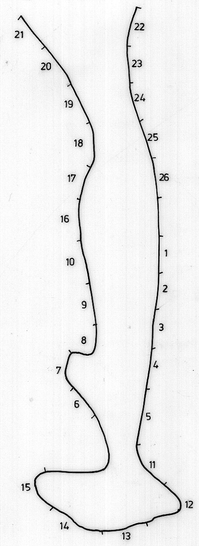
85 - 2456
Heemskirk Granite Area
Sweeney's Mine
(E.L. 11/79 & 51/81)

83

LINE 150 N
LINE 135 N
LINE 120 N
LINE 105 N
LINE 90 N
LINE 75 N
LINE 60 N
LINE 45 N
LINE 30 N
LINE 15 N
LINE 0
LINE 15 S
LINE 30 S
LINE 45 S
LINE 60 S
LINE 75 S
LINE 90 S
LINE 105 S
LINE 120 S
LINE 135 S
LINE 150 S
LINE 165 S
LINE 180 S
LINE 195 S
LINE

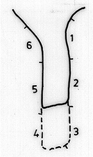


Nº 3 WORKINGS



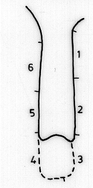
	%Sn	%Sol.Sn	%Zn	g/t Ag	%Cu	%Pb	%As
1.	0·31	<0·01	0·023	2	0·030	0·017	0·055
2.	N. A.						
3.	N. A.						
4.	0·045	<0·01	0·01	1	0·025	0·033	0·04
5.	0·57	0·022	0·017	5	0·022	0·013	0·05
6.	N. A.						
7.	0·23	0·013	0·014	4	0·010	0·019	0·034
8.	0·26	0·022	0·015	48	0·014	0·18	0·026
9.	1·26	<0·01	0·010	22	0·005	0·049	0·014
10.	N. A.						
11.	3·72	0·039	0·045	15	0·02	0·11	0·14
12.	3·50	0·048	2·90	67	0·087	0·43	0·055
13 U.	5·19	0·037	0·04	17	0·026	0·54	0·28
13 L.	1·16	0·044	0·57	42	0·236	0·38	0·024
14 U.	1·01	0·03	0·017	15	0·006	0·042	0·03
14 L.	3·10	0·039	0·054	56	0·01	0·048	0·026
15.	0·70	0·013	0·003	15	0·008	0·045	0·022
16.	0·97	0·305	0·024	158	0·028	0·052	0·040
17.	0·40	<0·01	0·026	6	0·007	0·016	0·007
18.	0·87	<0·01	0·028	3	0·005	0·017	0·003
19.	0·006	<0·01	0·005	<1	0·003	0·02	0·001
20.	0·035	<0·01	0·016	<1	0·004	0·017	0·001
21.	0·01	<0·01	0·007	<1	0·002	0·007	0·003
22.	7·66	<0·01	1·45	6	0·012	0·092	0·055
23.	1·93	<0·01	0·19	4	0·018	0·029	0·012
24.	0·07	<0·01	0·075	3	0·088	0·032	0·010
25.	0·095	<0·01	0·023	2	0·004	0·04	0·009
26.	2·10	<0·01	0·035	3	0·010	0·052	0·005
	1·47	0·03	0·23	21	= Average grades		

Nº 1 WORKINGS



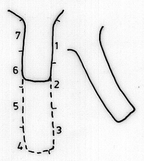
Nº	%Sn	%Sol.Sn	%Zn	g/t Ag	%Cu	%Pb	% As
1.	0·10	<0·01	0·20	1	0·005	0·009	0·005
2.	0·32	<0·01	0·95	5	0·017	0·096	0·024
3.	0·14	<0·01	3·50	7	0·025	0·36	0·016
4.	0·16	<0·01	4·10	7	0·017	0·26	0·024
5.	0·36	<0·01	0·57	2	0·01	0·028	0·022
6.	0·55	<0·01	1·40	3	0·009	0·052	0·006
	0·27	<0·01	1·79	4	= Average grades		

Nº 4 WORKINGS



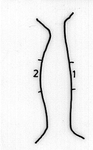
1 U.	0·015	<0·01	0·29	<1	0·01	0·009	0·001
1 L.	0·11	<0·01	0·18	1	0·009	0·005	0·004
2.	0·015	<0·01	0·07	1	0·003	0·08	0·001
3.	2·01	0·053	0·031	29	0·033	0·12	0·042
4 U.	0·01	<0·01	0·06	<1	0·003	0·008	0·002
4 L.	0·015	<0·01	0·085	<1	0·001	0·019	0·001
5.	0·05	<0·01	0·45	1	0·008	0·011	0·003
6	0·085	0·044	0·033	19	0·014	0·022	0·03
	0·29	0·02	0·15	7	= Average grades		

Nº 5 WORKINGS



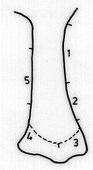
1.	0·97	0·10	0·008	45	0·02	0·031	0·048
2.	N. A.						
3.	0·045	<0·01	0·26	1	0·003	0·008	0·003
4.	0·43	0·24	26·5	80	0·48	0·54	0·046
5.	3·56	0·044	0·15	60	0·019	0·13	0·065
6.	N. A.						
7.	1·80	0·096	0·016	90	0·035	0·05	0·22
	1·36	0·10	5·39	55	= Average grades		

Nº 6 WORKINGS



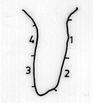
1.	0·54	0·60	23·0	220	0·95	0·56	0·50
2.	0·41	0·36	3·80	120	0·34	0·76	0·54
	0·47	0·48	13·4	170	= Average grades		

Nº 7 WORKINGS



1.	N. A.						
2.	0·76	0·26	0·008	90	0·018	0·048	0·24
3.	N. A.						
4.	1·52	1·03	0·05	420	0·25	0·09	0·53
5.	0·67	0·25	0·13	150	0·06	0·46	0·37
	0·98	0·51	0·06	220	= Average grades		

Nº 8 WORKINGS

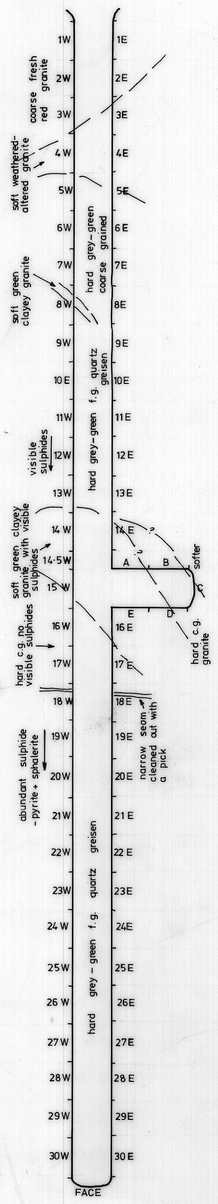


2.	1·89	0·095	0·013	70	0·059	0·053	0·17
3.	1·28	0·12	0·011	15	0·019	0·046	0·065
	1·58	0·11	0·01	42	= Average grade		

ADIT FROM 8E & 8W TO FACE INCLUSIVE AVERAGE GRADE = 47m x 0·64 % Sn
= 47 m x 0·013 % Sol. Sn
= 47 m x 0·96 % Zn
= 47 m x 7·2 g/t Ag
= 47 m x 5·03 % S

ANALYSED FOR WO_3 AND Bi, ONLY TRACE PRESENT

ADIT



	%Sb	%As	%Pb	%Cu	%CaF_2	%S	g/t Ag	%Zn	%Sol Sn	%Sn
	0·002	<0·10	0·005	<0·05	<0·10	0·06	<1	0·013	0·003	0·07
	0·002	<0·10	0·004	<0·05	<0·10	0·12	1	0·009	<0·005	0·06
	0·002	<0·10	0·001	<0·05	<0·10	0·09	2	0·010	<0·005	0·07
	0·003	<0·10	0·003	<0·05	<0·10	0·18	2	0·015	0·008	0·07
	0·003	<0·10	0·014	<0·05	<0·10	1·1	1	0·048	<0·005	0·07
	0·003	<0·10	0·008	<0·05	<0·10	2·5	<1	0·031	<0·005	0·08
	0·003	<0·10	0·015	<0·05	<0·10	4·1	<1	0·032	<0·003	0·17
	0·003	<0·10	0·078	<0·05	<0·10	3·1	5	0·022	0·019	0·42
	0·004	<0·10	0·50	<0·05	0·12	7·6	3	0·052	0·003	0·25
	0·003	<0·10	0·026	<0·05	0·10	4·3	2	0·10	<0·005	0·30
	0·004	<0·10	0·009	<0·05	<0·10	0·45	<1	0·037	<0·003	0·28
	0·004	<0·10	0·34	<0·05	<0·10	3·7	4	0·34	0·015	0·48
	0·004	<0·10	0·052	<0·05	0·16	4·7	3	1·50	0·006	3·01
	0·011	<0·10	0·044	<0·05	0·32	6·6	1	0·14	0·003	1·85
	0·002	<0·10	0·016	<0·05	<0·10	2·8	2	0·030	<0·005	0·83
	0·002	<0·10	0·033	<0·05	<0·10	1·2	8	0·17	0·023	0·87
	0·002	<0·10	0·010	<0·05	<0·10	0·62	<1	0·080	<0·005	0·19
	0·004	<0·10	0·008	<0·05	<0·10	1·7	1	0·056	0·013	0·24
	0·004	<0·10	0·022	<0·05	<0·10	1·6	3	0·40	0·013	3·32
	0·006	<0·10	0·030	<0·05	<0·10	0·45	1	0·060	<0·003	0·20
	0·004	<0·10	0·10	<0·05	<0·10	0·73	1	0·14	<0·003	0·18
	0·010	<0·10	0·040	<0·05	<0·10	8·3	7	2·50	0·006	0·73
	0·014	0·13	0·28	<0·05	<0·10	10·5	12	1·63	0·022	0·69
	0·030	0·26	0·44	<0·05	<0·10		9	1·40	0·022	0·62
	0·58	0·43	0·16	<0·05	<0·10	6·1	13	1·10	0·015	0·45
	0·078	<0·10	0·16	<0·05	0·14	11·1	9	1·70	0·017	0·68
	0·10	<0·05	0·21	<0·05	0·20	9·8	10	1·10	0·009	0·61
	0·19	0·11	0·40	<0·05	0·66	11·2	20	2·90	0·017	0·33
	0·49	0·25	0·68	<0·05	0·94	7·1	25	2·20	0·044	0·60
	0·50	0·26	0·30	<0·05	0·39	5·2	27	3·1	0·031	0·88
	0·036	<0·10	0·116	0·06	0·68	10·0	22	3·60	0·046	0·59
		<0·10	0·20	0·05			12	3·33	0·031	0·65

	%Sn	%Sol.Sn	%Zn	g/t Ag	% S	%CaF_2	%Cu	%Pb	%As	%Sb
	0·06	<0·005	0·010	<1	0·10	<0·10	<0·05	0·005	<0·10	0·001
	0·06	<0·003	0·037	<1	0·08	<0·10	<0·05	0005	<0·10	0·002
	0·05	<0·005	0·017	<1	0·08	<0·10	<0·05	0·004	<0·10	0·003
	0·06	<0·005	0·024	<1	0·16	<0·10	<0·05	0·004	<0·10	0·004
	0·06	0·019	0·010	2	0·10	<0·10	<0·05	0003	<0·10	0·002
	0·07	0·015	0·019	2	0·52	<0·10	<0·05	0·020	<0·10	0·003
	0·13	0·006	013	4	2·9	<0·10	<0·05	0·014	<0·10	0·004
	0·18	0·006	0·085	6	4·3	<0·10	<0·05	0030	<0·10	0·003
	0·22	<0·005	0·26	2	7·5	<0·10	<0·05	0·046	<0·10	0·004
	0·10	<0·003	0·072	1	3·3	<0·10	<0·05	0·009	<0·10	0·007
	0·34			1	1·1	<0·10	<0·05		<0·10	0·004
	1·11	<0·005	0·580	1	1·0	<0·10	<0·05	0·022	<0·10	0·003
	1·33	0·011	0·42	2	4·2	0·16	<0·05	0·030	<0·10	0·007
	1·50	0013	0·37	3	3·4	<0·10	<0·05	0·019	<0·05	0·003
	1·19	<0·005	0·012	2			<0·05	0009	<0·10	
	0·08	<0·005	0·018	<1			<0·05	0·003	<0·05	
	0·07	<0·005	0·085	4	1·8	<0·10	<0·05	0·12	<0·10	0·004
	0·08	<0·003	0·28	1	0·57	<0·10	<0·05	0·021	<0·10	0·003
	0·33	<0·005	0·670	2	2·8	<0·10	<0·05	0·011	<0·10	0·004
	0·10	<0·003	0·038	1	0·34	<0·10	<0·05	0·018	<0·10	0·006
	0·16	<0·005	0·056	2	0·68	<0·10	<0·05	0022	<0·10	0·010
	0·23	<0·005	0·032	2	5·1	<0·10	<0·05	0·046	<0·10	0·017
	0·42	0·011	2·05	9	9·6	<0·10	<0·05	0·11	<0·10	0·015
	0·61	0·017	1·92	8	10·1	<0·10	<0·05	0·290	0·10	0·011
	0·22	0·018	2·17	9	9·0	0·27	<0·05	0·52	0·15	0·012
	0·58	0·006	0·85	14	9·8	0·34	<0·05	0·60	<0·10	0·042
	0·28	0·015	1·92	9	12·7	0·34	<0·05	0·35	0·10	0·018
	0·28	0·022	1·67	22			<0·05	1·23	0·54	
	0·52	0·018	2·50	14			<0·05	0·63	0·19	
	0·47	0·028	2·67	25			<0·05	0·43	0·14	
	0·63	0·046	4·17	20			<0·05	0·45	0·14	
A	0·67	0·012	0·042	2			<0·05	0·024	<0·10	
B	0·06	<0·005	0·045	<1			<0·05	0·012	<0·10	
D	0·08	<0·005	0·018	1			<0·05	0·030	<0·10	
E	0·89	<0·005	0·032	<1			<0·05	0·012	<0·10	

N.B. No number 2 workings

5 cm

RENISON LIMITED

E.L. 11/76 SWEENEY'S MINE AREA

SAMPLING RESULTS

GEOLOGIST : K. WELLS
DRAUGHTSMAN : J. MATTHEWS
DATE : SEPTEMBER '77
REVISIONS :

SCALE 1:200 METRES
4 0 4 8

DRAWING No.

Heemskirk Granite Area
Sweeney's Geochem - Mine
1:200

83
85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

RENISON LIMITED

SWEENEY'S MINE

ORIENTATION SOIL GEOCHEMISTRY SURVEY
AND INTERPRETATIVE GEOLOGY

GEOLOGIST PR
DRAUGHTSMAN TAS
DATE Feb 1981

SCALE 1:500 METRES

REVISIONS

DRAWING No

5 cm

RESULTS

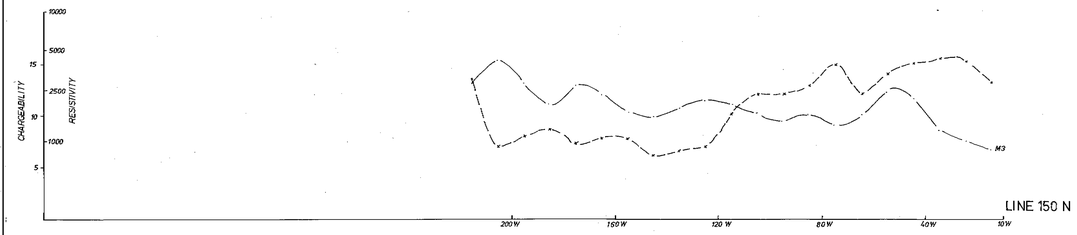
SAMPLE No.	DEPTH	DETAILS	SOIL HORIZON	FRACTION	ASSAYS IN P.P.M. Sn	As	Cu	Pb	Zn	Sb
1	0-60cm	Black sand Quartz rock	A1	-1mm +1/4mm	10	42	8	10	14	6
				-1/4mm +1/8mm	100	6	10	20	46	14
	60-68m	Brown-grey sandy + very micac clay + organics	Bg Gleyed B-C?	-1/8mm +1/16mm	14	42	2	20	24	6
				-1/16mm +1/32mm	100	6	10	20	46	14
	238-248m	Bedrock sample		-1/32mm +1/64mm	20	2	42	20	20	6
				-1/64mm +1/128mm	14	42	2	20	24	6
2	0-10cm	Topsoil + root	A1	-1/128mm +1/256mm	20	20	42	20	20	6
				-1/256mm +1/512mm	20	20	42	20	20	6
	10-28cm	Brown-grey granitic sand mica+ organics sandy	A2	-1/512mm +1/1024mm	20	20	42	20	20	6
				-1/1024mm +1/2048mm	20	20	42	20	20	6
	28-48cm	Brown-grey clay + micac sandy	A/B	-1/2048mm +1/4096mm	20	20	42	20	20	6
				-1/4096mm +1/8192mm	20	20	42	20	20	6
	48-68cm	Brown-grey-yellow-brown micac sandy clay (more sil	B	-1/8192mm +1/16384mm	20	20	42	20	20	6
				-1/16384mm +1/32768mm	20	20	42	20	20	6
				-1/32768mm +1/65536mm	20	20	42	20	20	6
				-1/65536mm	20	20	42	20	20	6
3	0-12cm	Grey clayey loam micac organic sandy gravelly	A1	-2mm +1mm	180	6	6	10	18	10
				-1mm +1/2mm	180	6	6	10	18	10
				-1/2mm +1/4mm	180	6	6	10	18	10
	12-24cm	Grey clayey micac loam + lenses of	A2	-1/4mm +1/8mm	180	6	6	10	18	10
				-1/8mm +1/16mm	180	6	6	10	18	10
				-1/16mm +1/32mm	180	6	6	10	18	10
	24-48cm	Grey micac loam + lenses of	B	-1/32mm +1/64mm	180	6	6	10	18	10
				-1/64mm +1/128mm	180	6	6	10	18	10
				-1/128mm +1/256mm	180	6	6	10	18	10
	48-60cm	Grey micac loam + lenses of	B	-1/256mm +1/512mm	180	6	6	10	18	10
				-1/512mm +1/1024mm	180	6	6	10	18	10
				-1/1024mm	180	6	6	10	18	10
4	0-15 cm	Grey-brown organic sandy loam	A1	-2mm +1mm	10	42	6	10	18	6
				-1mm +1/2mm	10	42	6	10	18	6
				-1/2mm +1/4mm	10	42	6	10	18	6
	15-45 cm	Yellow-grey-brown micac sandy clay +	B	-1/4mm +1/8mm	10	42	6	10	18	6
				-1/8mm +1/16mm	10	42	6	10	18	6
				-1/16mm +1/32mm	10	42	6	10	18	6
	45-72cm	Yellow-brown micac clay-silt sand	B	-1/32mm +1/64mm	10	42	6	10	18	6
				-1/64mm +1/128mm	10	42	6	10	18	6
				-1/128mm +1/256mm	10	42	6	10	18	6
	72-90cm	Yellow-brown clayey micac sand weathered rock fragments	B/C	-1/256mm +1/512mm	10	42	6	10	18	6
				-1/512mm +1/1024mm	10	42	6	10	18	6
				-1/1024mm	10	42	6	10	18	6
	Weathered Bedrock Sample									

SAMPLE No.	DEPTH	DETAILS	SOIL HORIZON	FRACTION	ASSAYS IN P.P.M. Sn	As	Cu	Pb	Zn	Sb
5	0-25 cm	Dark grey clay + organic sandy gravelly	A1	-2mm +1mm	14	42	2	20	24	6
				-1mm +1/2mm	100	6	10	20	46	14
	25-48 cm	Grey granitic sand micac sandy clay	A2	-1/2mm +1/4mm	14	42	2	20	24	6
				-1/4mm +1/8mm	100	6	10	20	46	14
	48-68 cm	Yellow-grey micac sandy clay + organics	B	-1/8mm +1/16mm	14	42	2	20	24	6
				-1/16mm +1/32mm	100	6	10	20	46	14
	68-82cm	Yellow-grey micac sandy clay	B	-1/32mm +1/64mm	14	42	2	20	24	6
				-1/64mm +1/128mm	100	6	10	20	46	14
	82-98cm	Grey micac sandy clay + organics	B	-1/128mm +1/256mm	14	42	2	20	24	6
				-1/256mm +1/512mm	100	6	10	20	46	14
				-1/512mm	14	42	2	20	24	6
6	0-10 cm	Dark grey micac + black organic rich sandy	A1	-2mm +1mm	10	42	2	20	24	6
				-1mm +1/2mm	10	42	2	20	24	6
				-1/2mm +1/4mm	10	42	2	20	24	6
	10-28 cm	Dark brown micac sandy clay + organics	A2	-1/4mm +1/8mm	10	42	2	20	24	6
				-1/8mm +1/16mm	10	42	2	20	24	6
				-1/16mm +1/32mm	10	42	2	20	24	6
	28-48 cm	Dark brown micac sandy clay + organics	B	-1/32mm +1/64mm	10	42	2	20	24	6
				-1/64mm +1/128mm	10	42	2	20	24	6
				-1/128mm +1/256mm	10	42	2	20	24	6
	48-65 cm	Brown micac sandy clay + organics	B	-1/256mm +1/512mm	10	42	2	20	24	6
				-1/512mm +1/1024mm	10	42	2	20	24	6
				-1/1024mm	10	42	2	20	24	6
7	0-10 cm	Dark grey micac silty clay + organics	A1/2	-2mm +1mm	10	42	2	20	24	6
				-1mm +1/2mm	10	42	2	20	24	6
				-1/2mm +1/4mm	10	42	2	20	24	6
	10-20 cm	Dark grey micac silty clay + organics	A2	-1/4mm +1/8mm	10	42	2	20	24	6
				-1/8mm +1/16mm	10	42	2	20	24	6
				-1/16mm +1/32mm	10	42	2	20	24	6
	20-58cm	Dark brown micac silty clay + organics	B	-1/32mm +1/64mm	10	42	2	20	24	6
				-1/64mm +1/128mm	10	42	2	20	24	6
				-1/128mm +1/256mm	10	42	2	20	24	6
	58-68cm	Brown micac sandy clay + organics	B	-1/256mm +1/512mm	10	42	2	20	24	6
				-1/512mm +1/1024mm	10	42	2	20	24	6
				-1/1024mm	10	42	2	20	24	6
8	0-12cm	Grey micac sandy clay + organics	A1/2	-2mm +1mm	10	42	2	20	24	6
				-1mm +1/2mm	10	42	2	20	24	6
				-1/2mm +1/4mm	10	42	2	20	24	6
	12-28cm	Grey micac sandy clay + organics	A2	-1/4mm +1/8mm	10	42	2	20	24	6
				-1/8mm +1/16mm	10	42	2	20	24	6
				-1/16mm +1/32mm	10	42	2	20	24	6
	28-48cm	Brown micac sandy clay (more or less sandy)	B	-1/32mm +1/64mm	10	42	2	20	24	6
				-1/64mm +1/128mm	10	42	2	20	24	6
				-1/128mm +1/256mm	10	42	2	20	24	6
	48-68cm	Brown micac sandy clay + organics (more or less sandy)	B	-1/256mm +1/512mm	10	42	2	20	24	6
				-1/512mm +1/1024mm	10	42	2	20	24	6
				-1/1024mm	10	42	2	20	24	6
9	0-20cm	Grey micac sandy clay + organics	A1	-2mm +1mm	10	42	2	20	24	6
				-1mm +1/2mm	10	42	2	20	24	6
				-1/2mm +1/4mm	10	42	2	20	24	6
	20-48cm	Grey micac sandy clay + organics	B	-1/4mm +1/8mm	10	42	2	20	24	6
				-1/8mm +1/16mm	10	42	2	20	24	6
				-1/16mm +1/32mm	10	42	2	20	24	6
	48-62cm	Brown micac sandy clay	B	-1/32mm +1/64mm	10	42	2	20	24	6
				-1/64mm +1/128mm	10	42	2	20	24	6
				-1/128mm +1/256mm	10	42	2	20	24	6
	62-82cm	Grey-brown micac sandy clay + gravel layer	B	-1/256mm +1/512mm	10	42	2	20	24	6
				-1/512mm +1/1024mm	10	42	2	20	24	6
				-1/1024mm	10	42	2	20	24	6

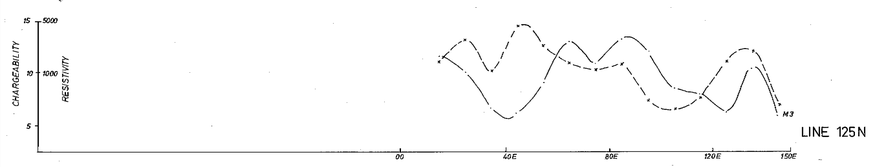
INSET PLAN
SCALE 1:5000

GEOLOGY

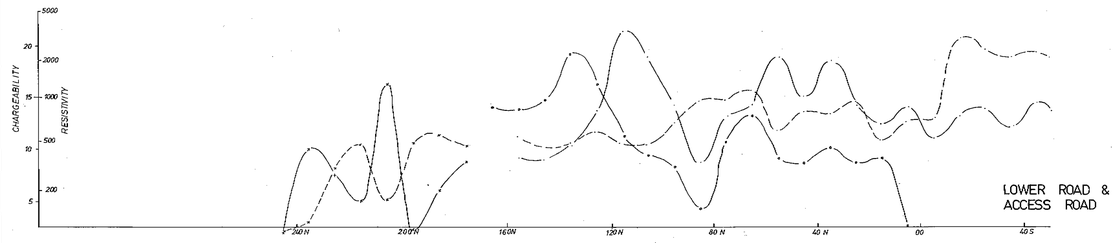
SAMPLE 1
SAMPLE 2
SAMPLE 3
SAMPLE 4
SAMPLE 5
SAMPLE 6
SAMPLE 7
SAMPLE 8
SAMPLE 9
LINE 50 N
LINE 50 S
LINE 110 S
LINE 220 S
SWAMP
Water channel / stream
Outcrop
Contour (interval 5m, Datum RL 1000)
Contour (interval 1m, Datum RL 1000)



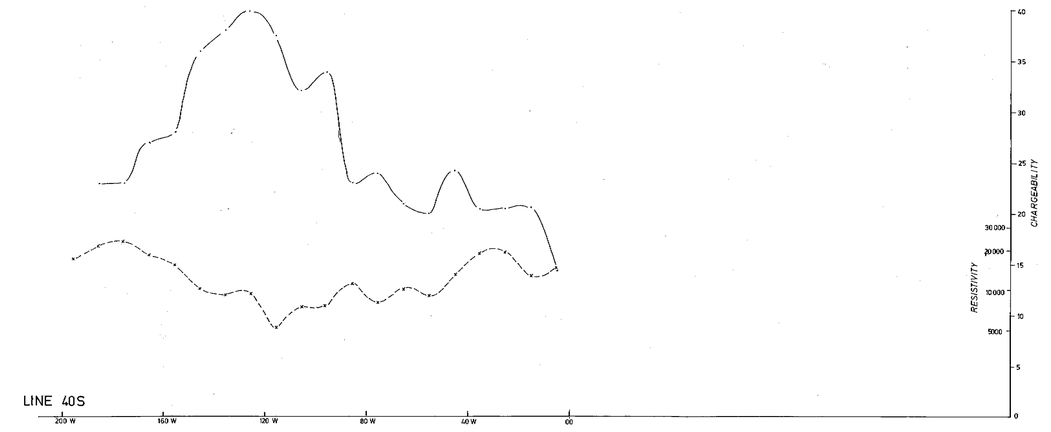
LINE 150 N



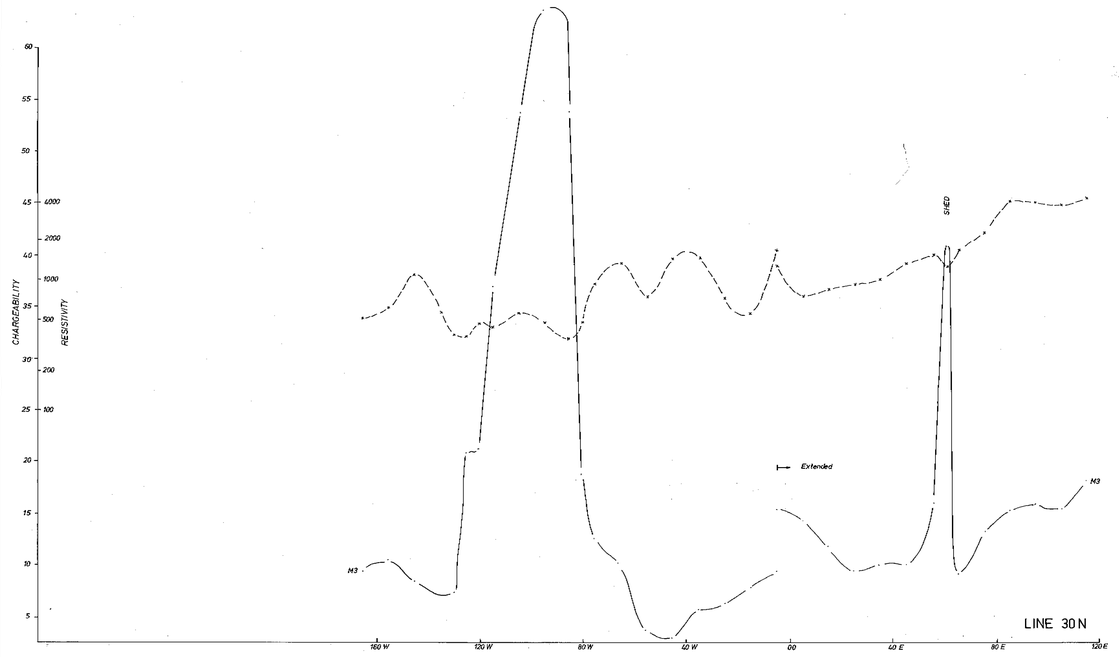
LINE 125 N



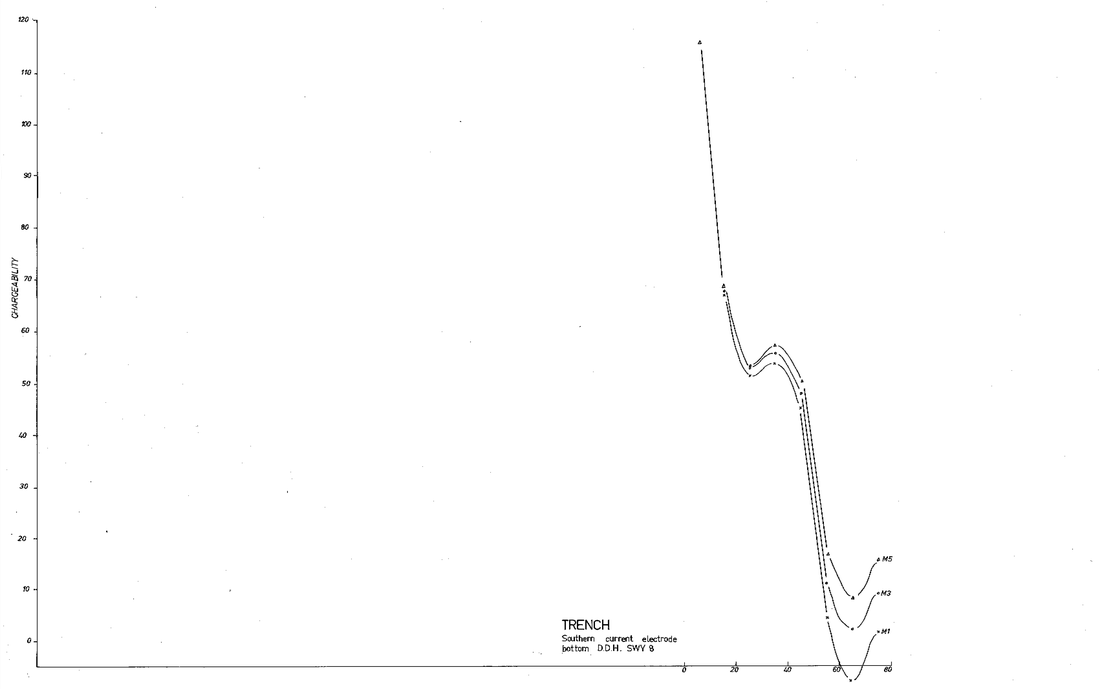
LOWER ROAD &
ACCESS ROAD



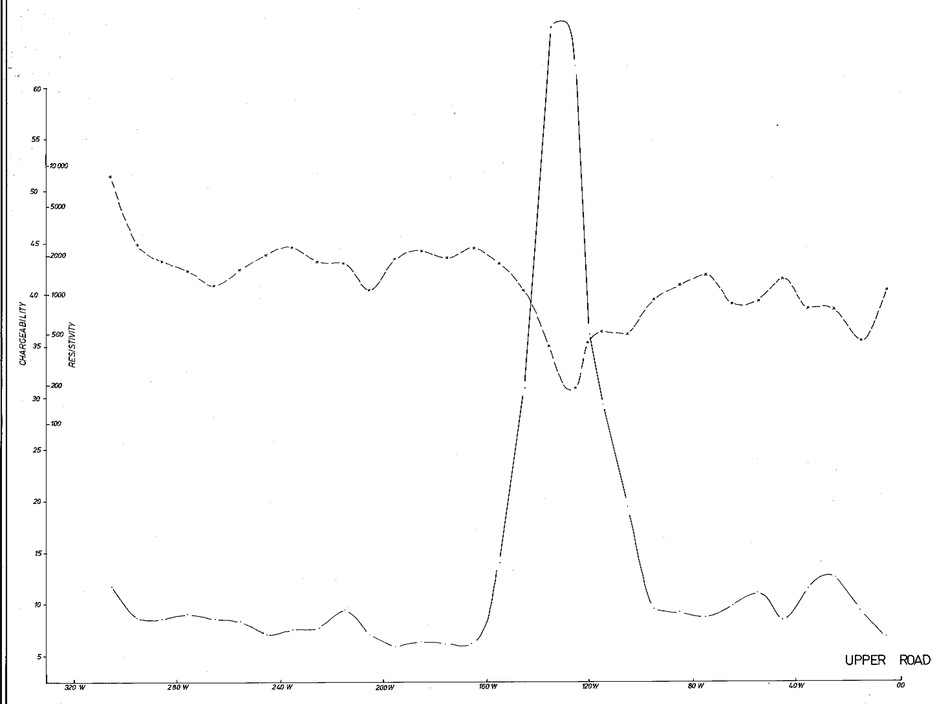
LINE 40 S



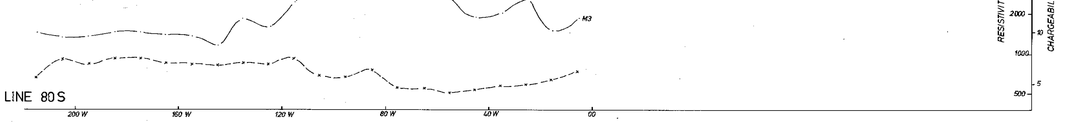
LINE 30 N



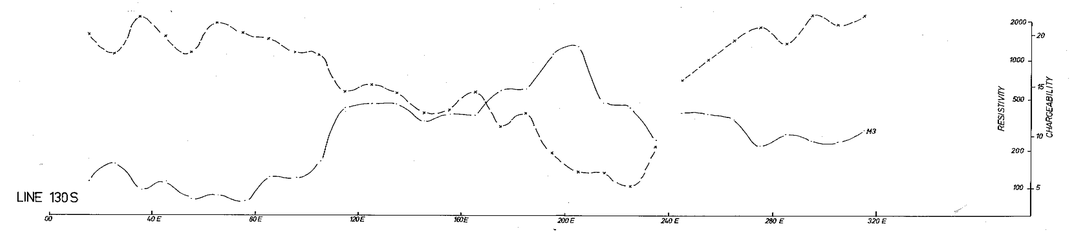
TRENCH
Southern current electrode
bottom D.D.H. SWY 8



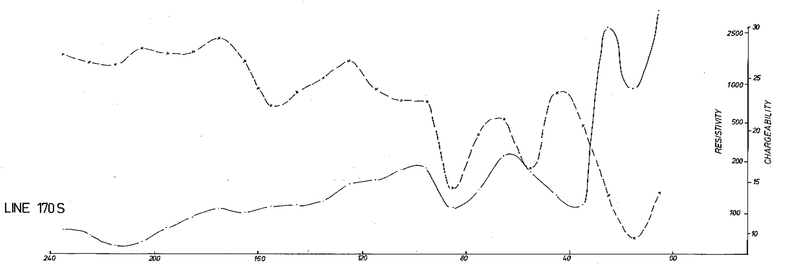
UPPER ROAD



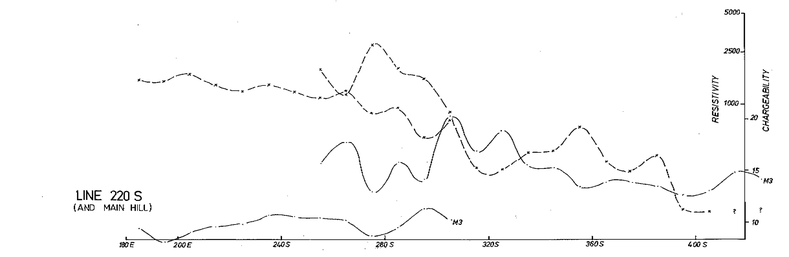
LINE 80 S



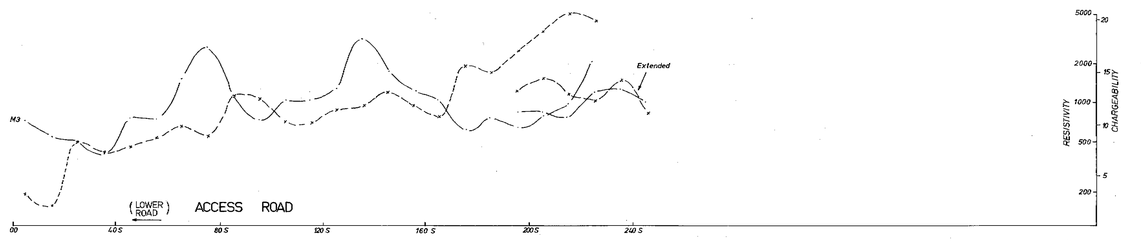
LINE 130 S



LINE 170 S



LINE 220 S
(AND MAIN HILL)



(LOWER ROAD) ACCESS ROAD

5 cm

CHARGEABILITY IN mv/v (———)
RESISTIVITY IN Ω.m (– – – –)

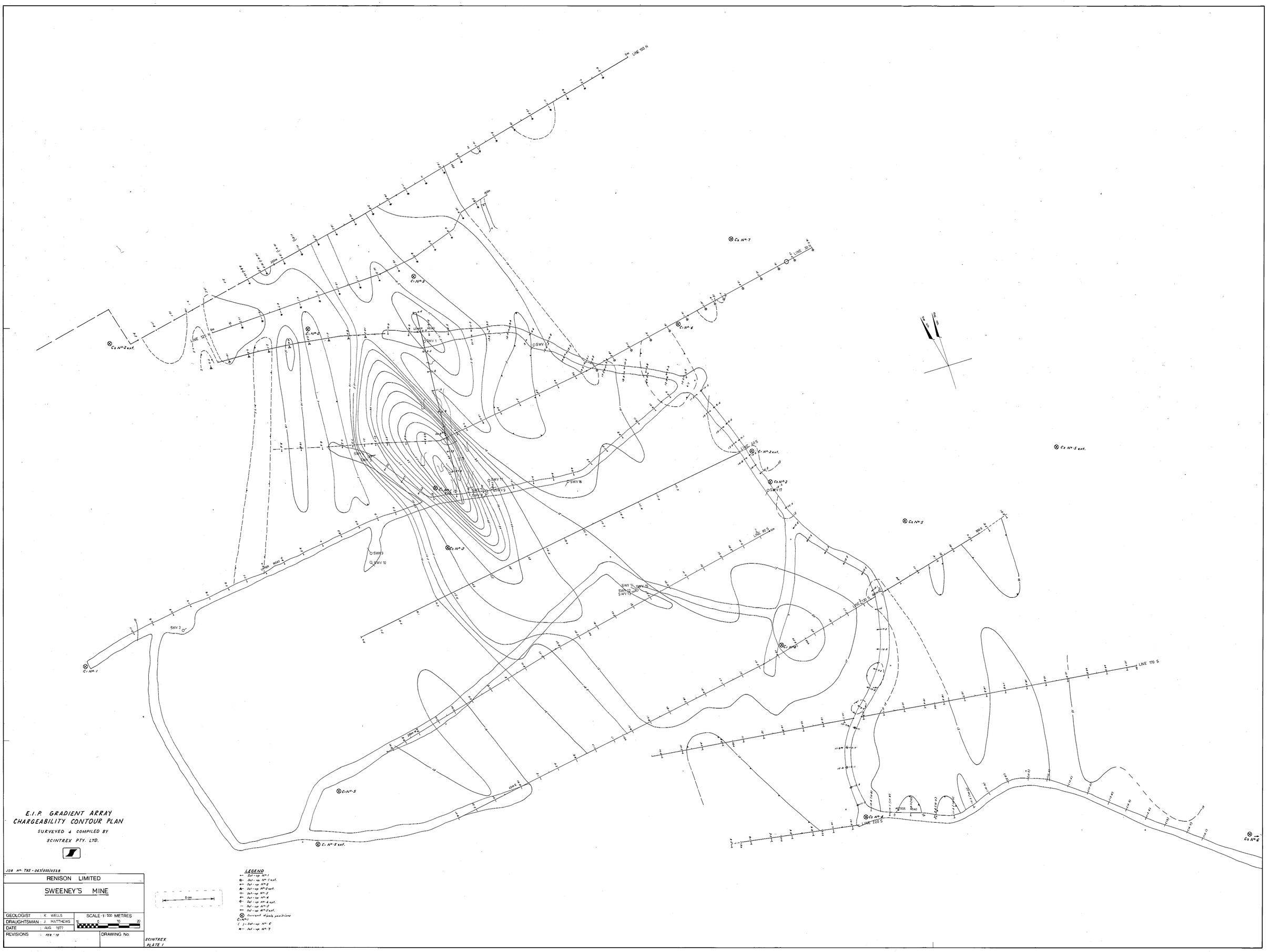
Trench viewed looking west.
Access road viewed looking east.
All other lines viewed looking north.

RENISON LIMITED

SWEENEY'S MINE
I.P. LINE PROFILES

GEOLOGIST	: K. WELLS	SCALE 1: 1000 METRES (20 0 20 40)
DRAUGHTSMAN	: J. MATTHEWS	
DATE	: NOVEMBER '77	
REVISIONS	:	DRAWING No.

HEEMSKIRK GRANITE AREA
SWEENEYS I.P. LINE PROFILES
1:1,000
85
85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 1239)



E.I.P. GRADIENT ARRAY
CHARGEABILITY CONTOUR PLAN

SURVEYED & COMPILED BY
SCINTREX PTY. LTD.

JOB Nº: TAS - 047/050/0528

RENISON LIMITED

SWEENEY'S MINE

GEOLOGIST	: K. WELLS	SCALE 1:500 METRES
DRAUGHTSMAN	: J. MATTHEWS	10 0 10 20
DATE	: AUG. 1977	
REVISIONS	: FEB. '78	DRAWING No.

5 cm

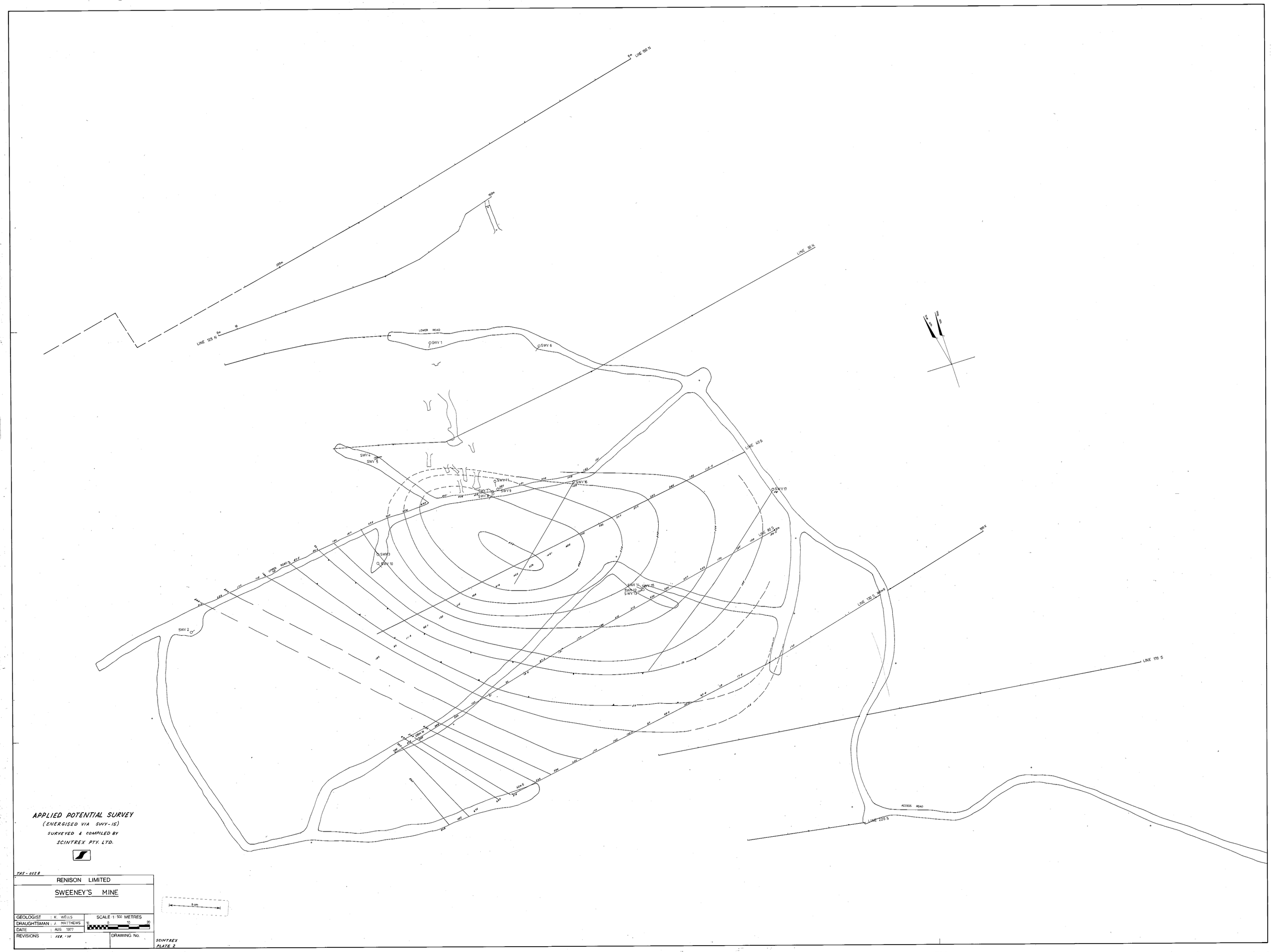
LEGEND
- Set-up Nº-1
- Set-up Nº-1 ext.
- Set-up Nº-2
- Set-up Nº-2 ext.
- Set-up Nº-3
- Set-up Nº-4
- Set-up Nº-4 ext.
- Set-up Nº-5
- Set-up Nº-5 ext.
- Current dipole positions
- C1 Nº-1
- ( ) - Set-up Nº-6
- Set-up Nº-7

SCINTREX
PLATE 1

Heemskirk Granite Area
Sweeney's E.I.P. Gr. Array
Chargeability Contours
1:500

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

86



APPLIED POTENTIAL SURVEY
(ENERGISED VIA SWY-15)
SURVEYED & COMPILED BY
SCINTREX PTY. LTD.

TAS - 0528

RENISON LIMITED

SWEENEY'S MINE

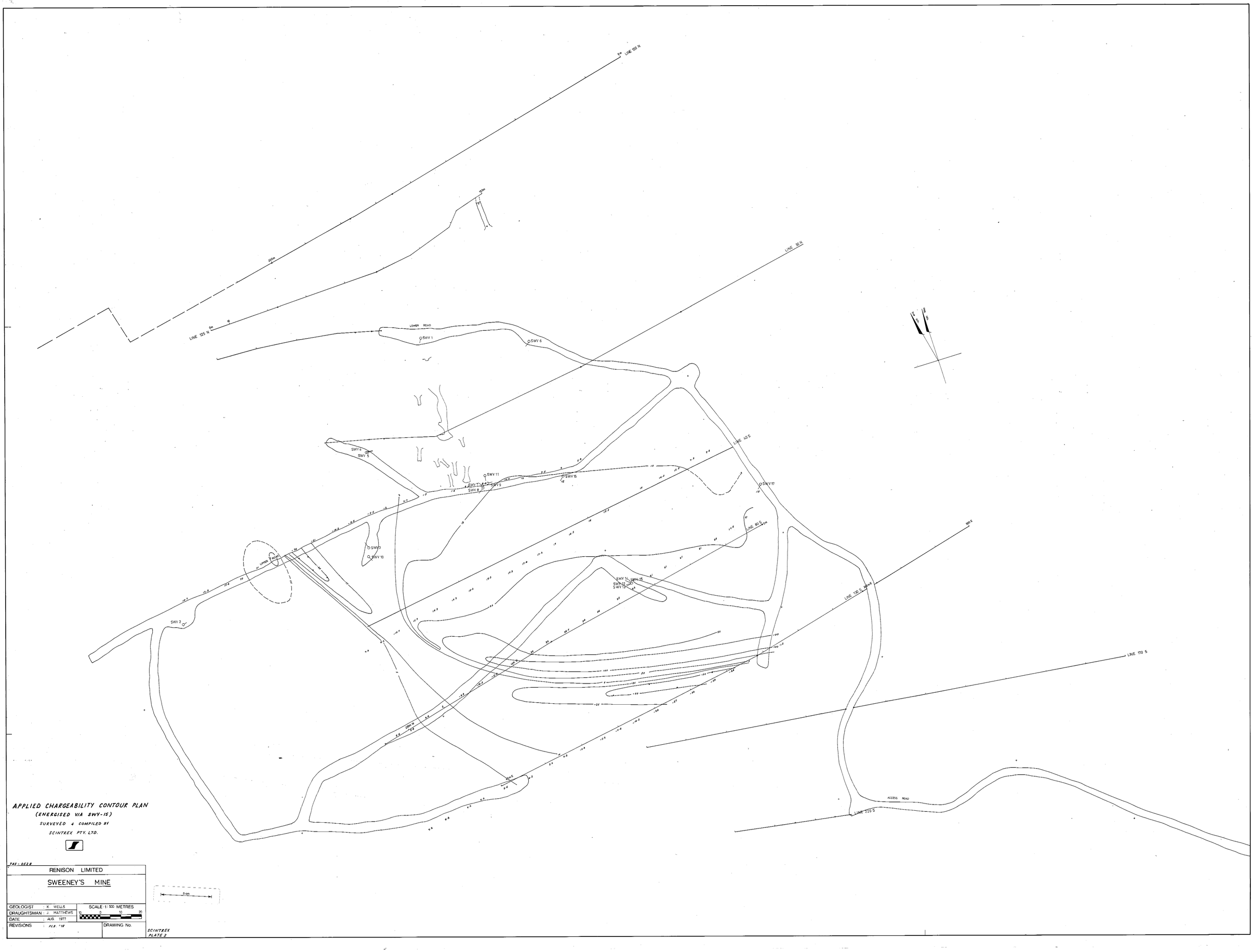
GEOLOGIST	: K. WELLS	SCALE 1:500 METRES
DRAUGHTSMAN	: J. MATTHEWS	10 0 10 20
DATE	: AUG. 1977	
REVISIONS	: FEB. '78	DRAWING No.

SCINTREX
PLATE 2

Heemskirk Granite Area
Sweeney's Applied Potential Survey
1:500

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

87



APPLIED CHARGEABILITY CONTOUR PLAN
(ENERGISED VIA SWY-15)
SURVEYED & COMPILED BY
SCINTREX PTY. LTD.

TAS-0528

RENISON LIMITED

SWEENEY'S MINE

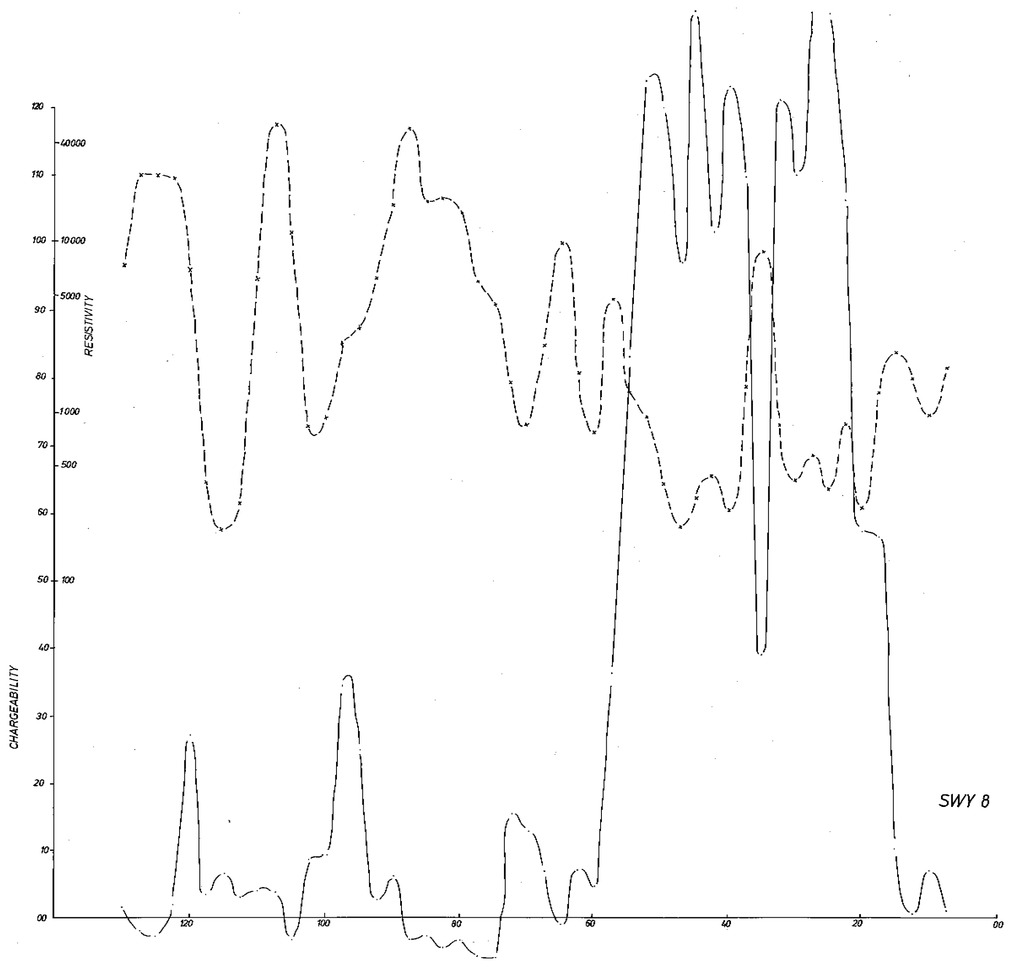
GEOLOGIST : K. WELLS	SCALE 1:500 METRES
DRAUGHTSMAN : J. MATTHEWS	10 0 10 20
DATE : AUG. 1977	
REVISIONS : FEB. '78	DRAWING No.

SCINTREX
PLATE 3

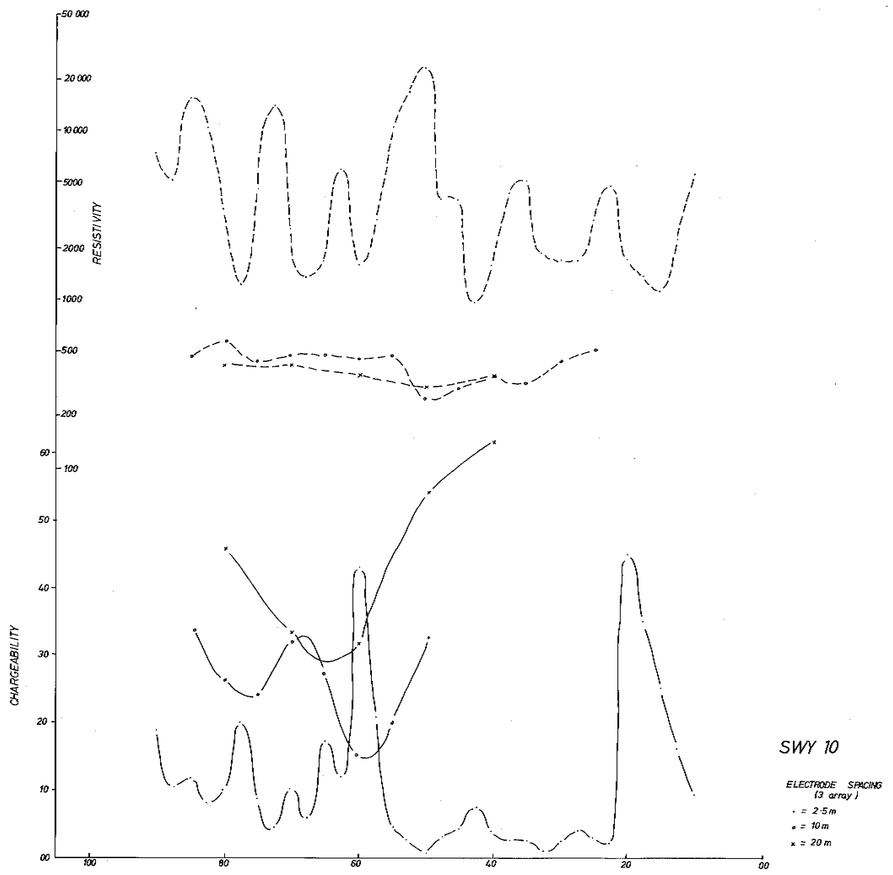
HEEMSKIRK GRANITE AREA
SWEENEY'S APPLIED CHARGEABILITY CONTOURS
1:500

05 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11776 & S.P.L. 129)

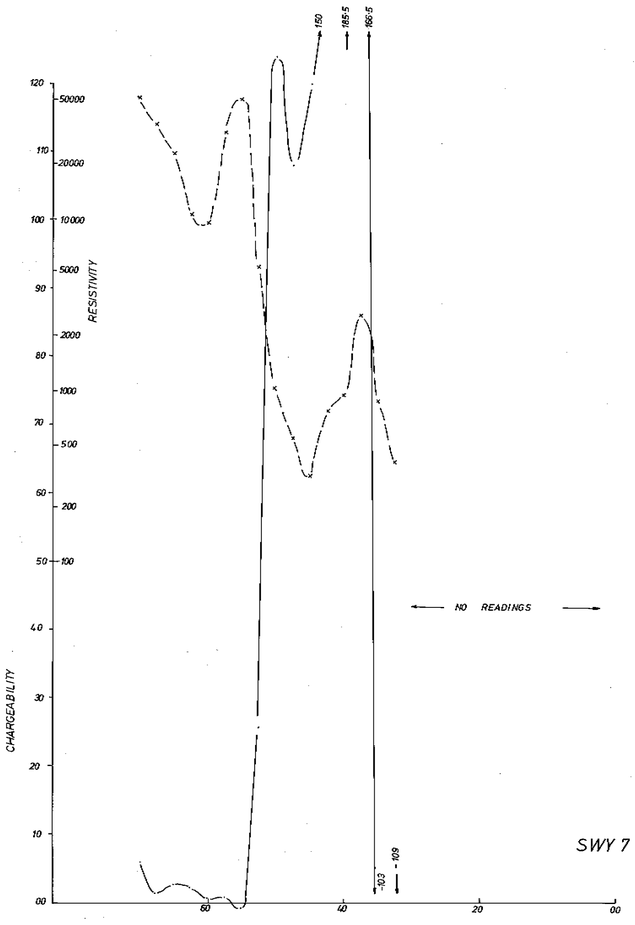
88



SWY 8



SWY 10



SWY 7

5 cm

CHARGEABILITY IN mv/v (———)
RESISTIVITY IN Ω.m (– – – –)

RENISON LIMITED

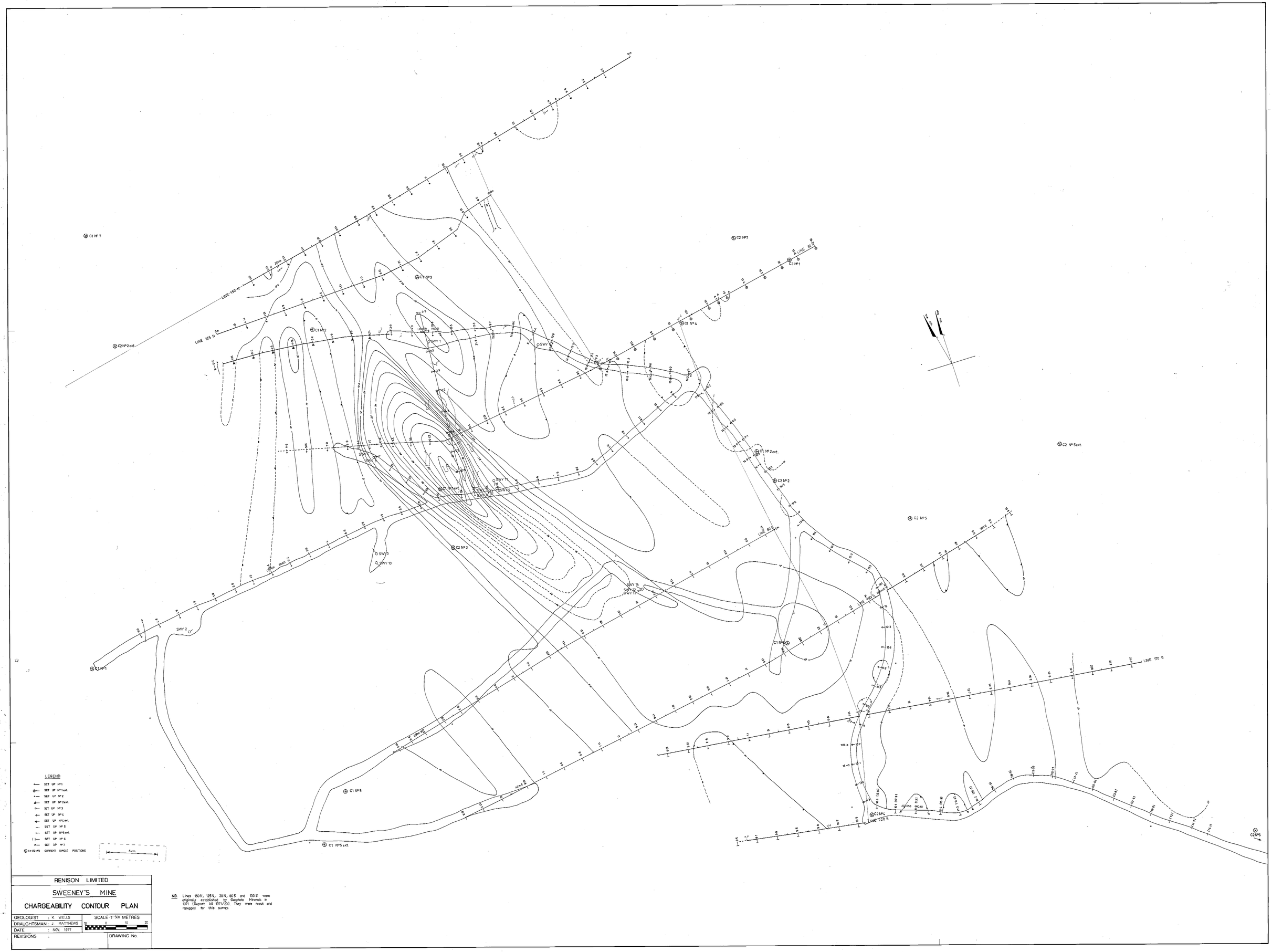
SWEENEY'S MINE

3 ARRAY DRILL HOLE LOGS

GEOLOGIST : K. WELLS	SCALE 1:500 METRES (10 0 10 20)
DRAUGHTSMAN : J. MATTHEWS	
DATE : NOVEMBER '77	
REVISIONS :	DRAWING No.

Xteemskirk Granite Area
Sweeneys 3-Array Drillhole
Logs
1:500

89
b8
85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)



RENISON LIMITED

SWEENEY'S MINE

CHARGEABILITY CONTOUR PLAN

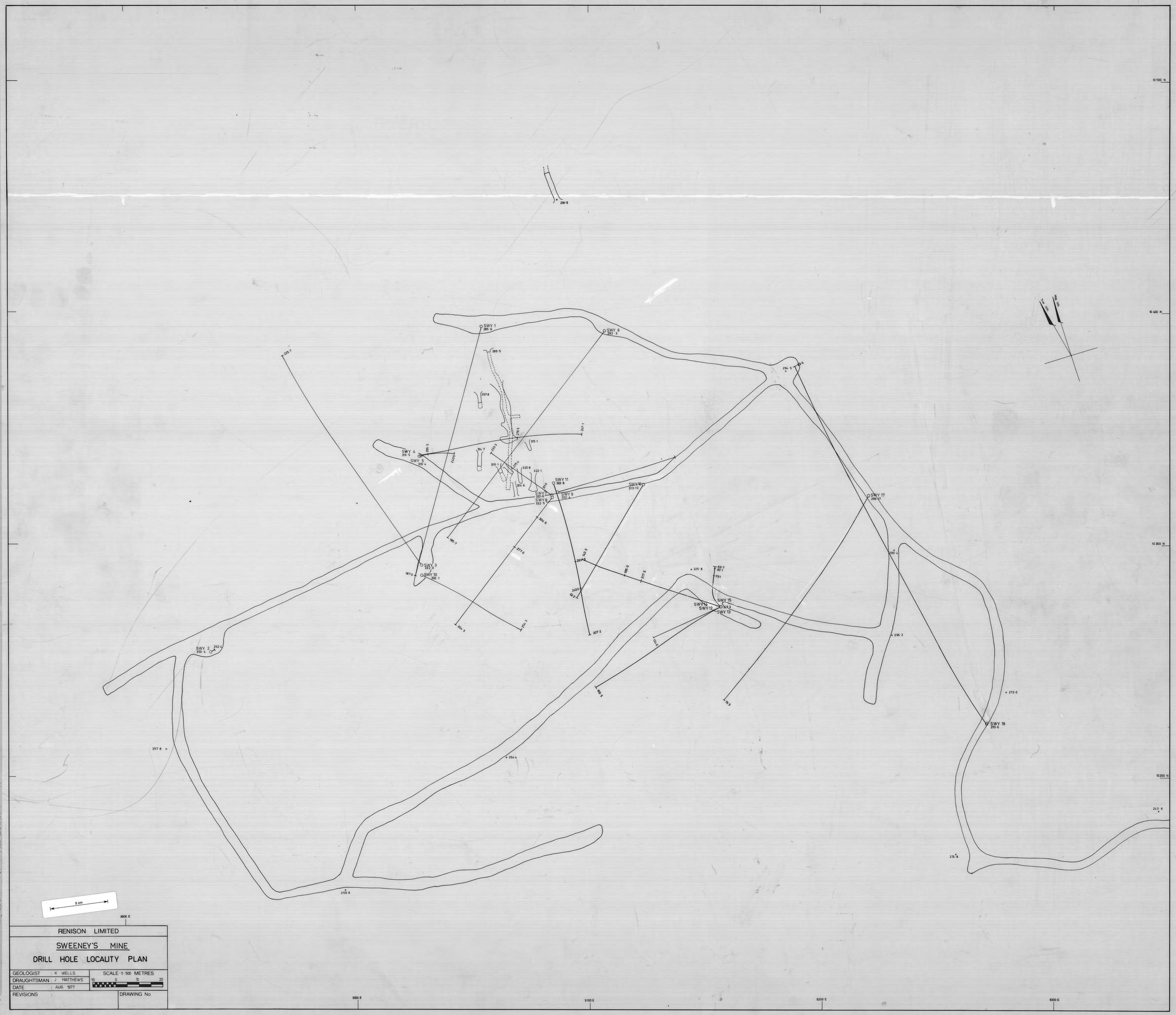
GEOLOGIST : K. WELLS	SCALE 1:500 METRES
DRAUGHTSMAN : J. MATTHEWS	10 0 10 20
DATE : NOV. 1977	
REVISIONS :	DRAWING No.

NB. Lines 150N, 125N, 30N, 80S and 130S were originally established by Geophoto Minerals in 1971 (Report Nº 1971/20). They were recut and repegged for this survey.

Heemskirk Granite Area
Sweeney's Sheeney's 4 RD
Chargeability Contours
1:500

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

90



HEEMSKIRK GRANITE AREA
SWEENEYS DRILLHOLE LOCALITY
1:500

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

91

ORIGINAL
1:500

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E. L. 11/76 & S. P. L. 129)

92

HEEMSKIRK GRANITE AREA
SWEENEYS LONGITUDINAL
ON 358° GRID
(APRIL 78)
1:500

SOUTH

NORTH

CREEK

300 m

ADIT

SWY 10

SWY 4

SWY 5

SWY 9

SWY 7

SWY 3

250 m

SWY 11

SWY 8

SWY 13

200 m

SWY 1

SWY 6

SWY 14

SWY 12

150 m

100 m

SWY 17

SWY 15

SWY 16

5 cm

50 m

RENISON LIMITED

SWEENEY'S MINE AREA

LONGITUDINAL PROJECTION

ON BEARING 358° GRID

GEOLOGIST : P.R. STEPHENSON	SCALE 1:500 METRES
DRAUGHTSMAN : J. M. MATTHEWS	10 0 10 20
DATE : APRIL 1978	
REVISIONS :	DRAWING No.

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E. L. 11/76 & S. P. L. 129)

93

HEEMSKIRK GRANITE AREA
SWEENEYS LONGITUDINAL.
ON 358°GRID
(APRIL 78)
1:500

SOUTH

NORTH

CREEK

300 m

ADIT

250 m

SWY 10

SWY 4

SWY 5

SWY 9

SWY 7

SWY 3

SWY 11

SWY 8

200 m

SWY 13

SWY 1

SWY 6

150 m

SWY 14

SWY 12

100 m

SWY 17

SWY 15

?

SWY 16

5 cm

50 m

RENISON LIMITED

SWEENEY'S MINE AREA

LONGITUDINAL PROJECTION

ON BEARING 358° GRID

GEOLOGIST : P.R. STEPHENSON	SCALE 1:500 METRES
DRAUGHTSMAN : J. M. MATTHEWS	10 0 10 20
DATE : APRIL 1978	
REVISIONS :	DRAWING No.

SOUTH - EAST

NORTH - WEST

OUTCROP OF MINERALISATION

300m R.L.

250m

200m

150m

100m

50m

00m

SWY 4
51m x 0·5% Sn

SWY 8
32m x 0·41% Sn

SWY 7
38m x 0·75% Sn

ADIT
47m x 0·66% Sn

SWY 11
23m x 1·17% Sn

SWY 14
24m x 0·27 % Sn

SWY 13

SWY6

SWY1

SWY 12

SWY 15
30m x 0·70% Sn

SWY 17

SWY 16

5 cm

D.D.H. DRILLED N.E. OF (in front) MINERALISATION.

D.D.H. DRILLED S.W. OF (behind) MINERALISATION.

RENISON LIMITED

SWEENEY'S MINE
LONGITUDINAL PROJECTION
LOOKING S.W.

GEOLOGIST : K. WELLS	SCALE·1: 500 METRES (10 0 10 20)
DRAUGHTSMAN : J. MATTHEWS	
DATE : NOV. '77	
REVISIONS :	DRAWING No.

ORIGINAL
1:500

85 - 2426
Heemskirk Granite Area
(Sweeney's Mine)
(E.L. 11/76 & S.P.L. 129)

SWEENEYS
LONGITUDINAL
PROJECTION (NOV 77)
1:500

RENISON LIMITED

SWEENEY'S MINE
PROPOSED "WINKIE - STYLE" DIAMOND DRILLING & INTERPRETATIVE GEOLOGY

GEOLOGIST	K. Watts
DRAUGHTSMAN	F.A. Carlson
DATE	July '78
REVISIONS	

SCALE 1: 500 METRES (10 0 10 20)

FIG. 16

5 cm

BOUNDARIES
ROCK TYPE
DEFINITE ——
APPROXIMATE — — — (0-25 mm.)
INFERRED - - - -

ALTERATION
DEFINITE ——
APPROXIMATE —·—·— (0-5 mm.)
INFERRED ·····

N.E. = No Exposure

ALTERATION
- Argillic alteration
- Quartz / topaz
- Sulphides
- Tourmaline nodules

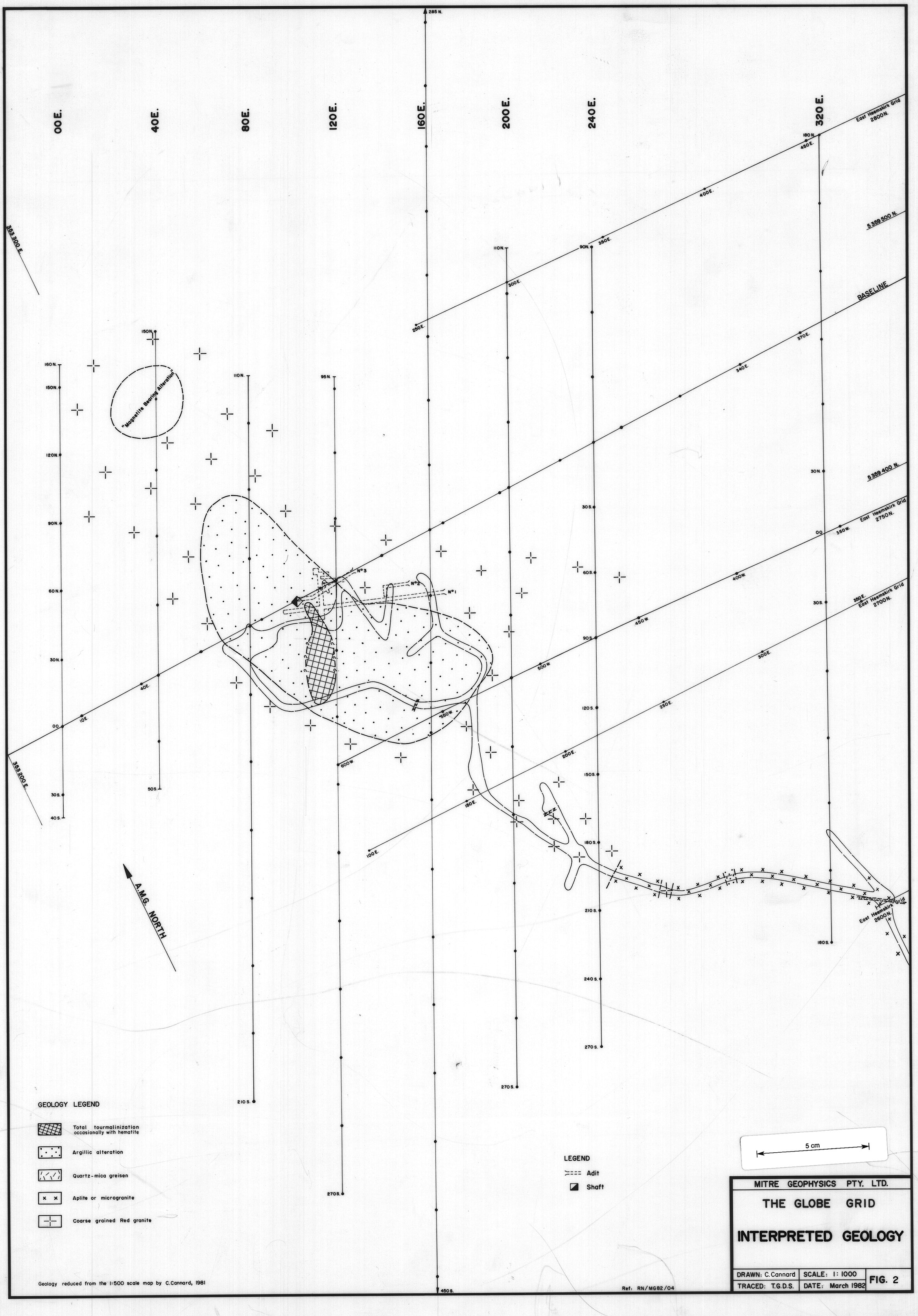
ROCK TYPES
- Fine grained 'white' granite
- Coarse grained 'red' granite

Major lineaments (approximate)

● PROPOSED VERTICAL DRILL HOLE

NOTE: Hole depths are anticipated to be between 25 & 60m. The proposed holes south & east of the workings are designed to test possible buried extensions of the tabular mineralisation shallowly.

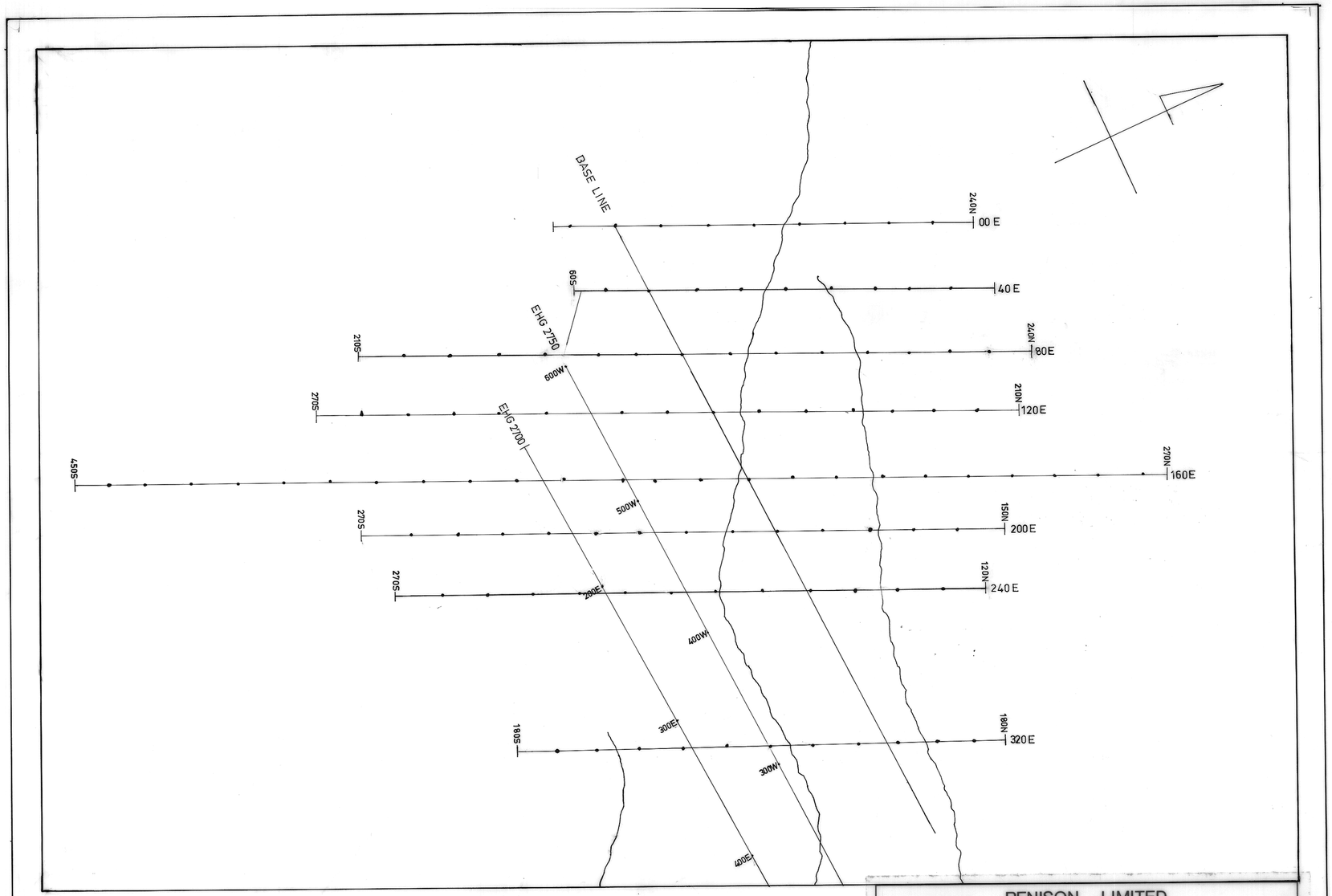
LINE 125 N
LINE 150 N
LINE 95 N
LINE 80 S
LINE 170 S
LINE 220 S
LOWER
UPPER ROAD
ACCESS ROAD
SWY 1
SWY 5
SWY 6
SWY 7
SWY 8
SWY 9
SWY 10
SWY 11
SWY 12
SWY 13
SWY 15
SWY 16
SWY 17
optional
'FLAT' LYING ?
'VERTICAL' ?
N.E.
c.g.r.
f.g.r.
m.g.r.
Boulders / scree of coarse grained red granite
Fresh outcrops of c.g.r.
Fresh / light coloured varieties of tourmaline
Rock outcrop
Creek
Dam
Shear zone
Quartz veins
Pegmatite
Aplite / microgranite
Tourmaline nodules
Sulphides
Greisen
Argillic alteration
Kaolin
Fault
Joint
Strike and dip of foliation
Strike and dip of joints
Strike and dip of veins
Strike and dip of dykes
Strike and dip of bedding
Strike and dip of faults
Strike and dip of shears
Strike and dip of lineations
Strike and dip of fold axes
Strike and dip of fold axial planes
Strike and dip of fold axial surfaces
Strike and dip of fold axial traces
Strike and dip of fold axial lines



HEEMSKIRK GRANITE AREA
GLOBE GRID
GLOBE INTERP. GEOLOGY

96

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)



RENISON LIMITED

GLOBE MINE GRID
SOIL GEOCHEMISTRY

GEOLOGIST :DJK	SCALE 1:2000 METRES
DRAUGHTSMAN :IF, OS	
DATE :JUNE 1982	
REVISIONS :	DRAWING No. 16

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E. L. 11/76 & S. P. L. 129)

97

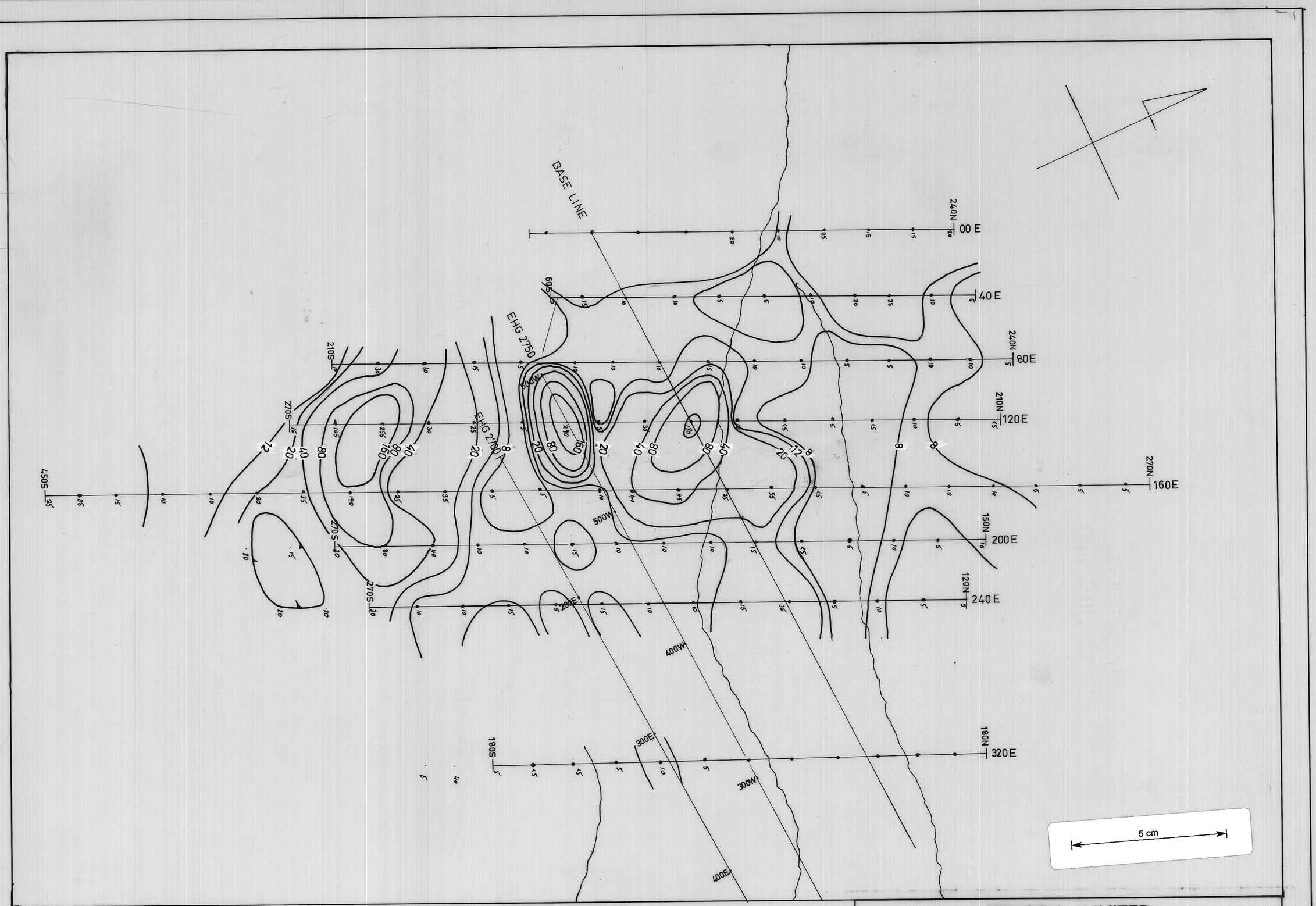
HEEMSKIRK GRANITE AREA
GLOBE GRID
SOIL GEOCHEM SAMPLE LOCATIONS
GLOBE
1:2,000

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E. L. 11/76 & S. P. L. 129)

98

HEEMSKIRK GRANITE AREA

GLOBE GLOBE GRID
SOIL GEOCHEM
- Pb
1:2,000



RENISON LIMITED

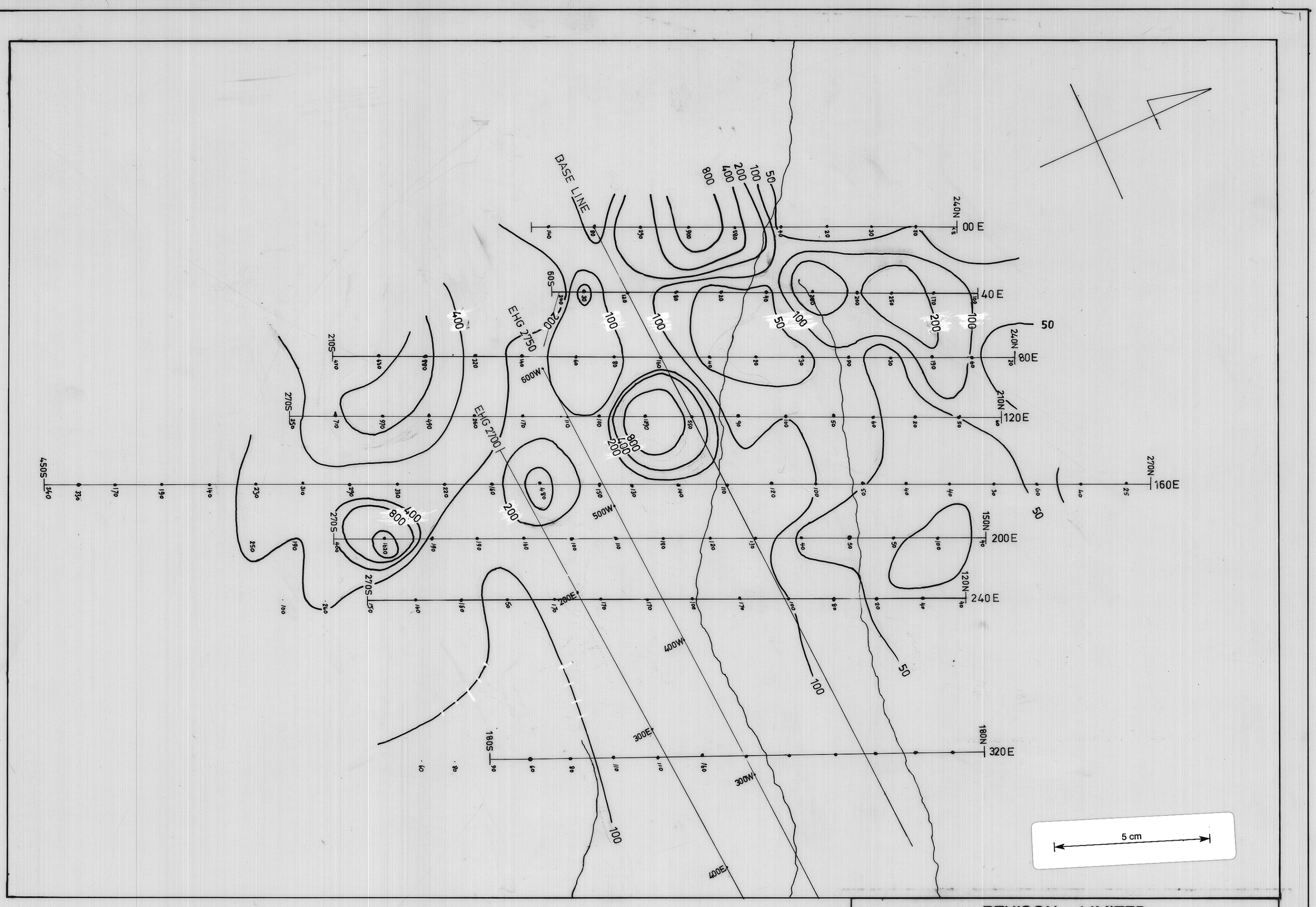
GLOBE MINE GRID
Pb SOIL GEOCHEMISTRY

GEOLOGIST :DJK	SCALE · 1:2000 METRES
DRAUGHTSMAN :IF, GS	
DATE :JUNE 1982	
REVISIONS :	DRAWING No. 16

85 = E426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

99

HEEMSKIRK GRANITE AREA
GLOBE GLOBE GRID
- SOIL GEOCHEM
- Sn
1:2,000

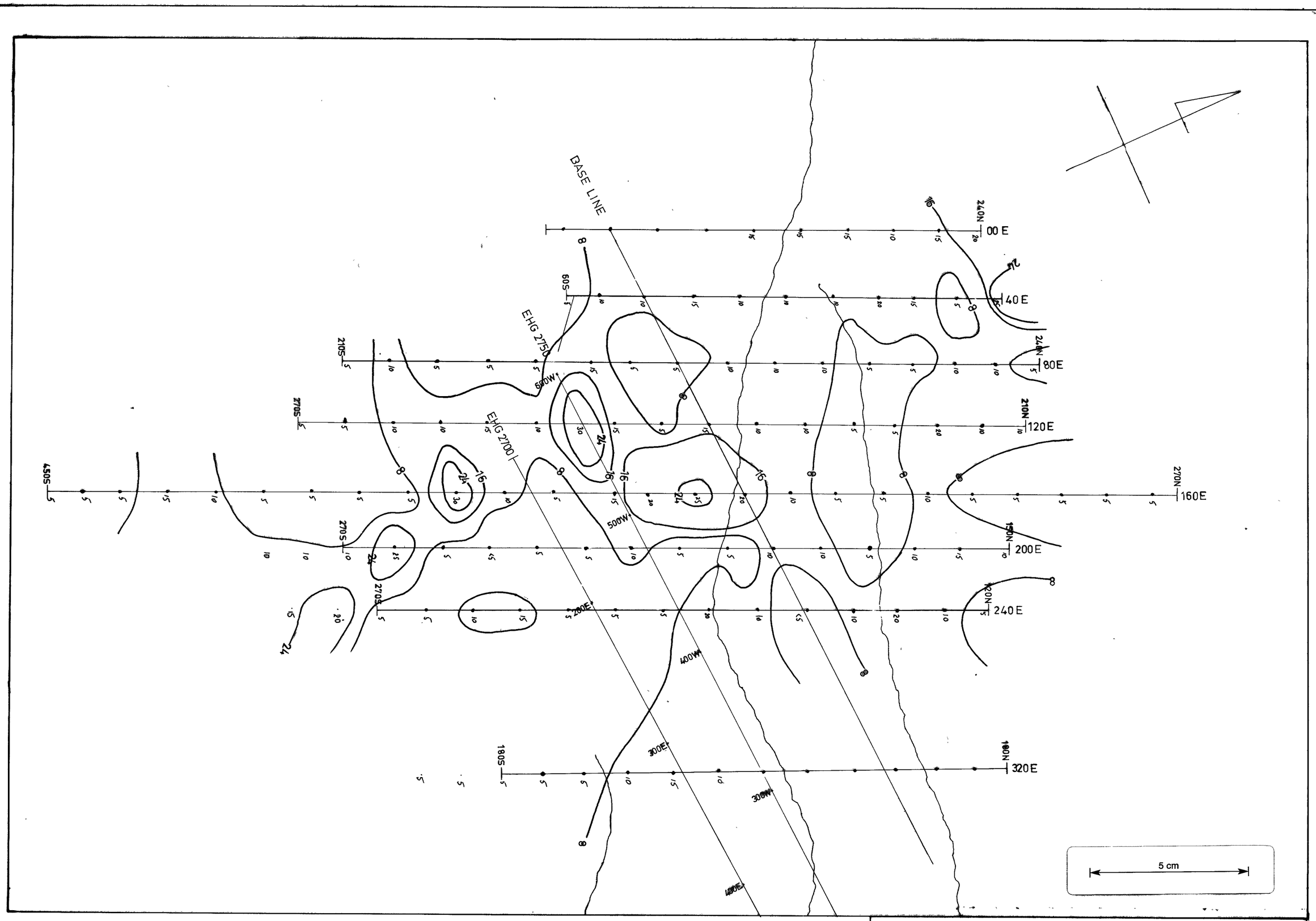


RENISON LIMITED	
GLOBE MINE GRID Sn SOIL GEOCHEMISTRY	
GEOLOGIST :DJK DRAUGHTSMAN :IF, CS DATE :JUNE 1982	SCALE · 1:2000 METRES
REVISIONS :	DRAWING No. 16

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E. L. 11/76 & S. P. L. 129)

100

HEEMSKIRK GRANITE AREA
GLOBE
GLOBE GRID
SOIL GEOCHEM
-Zn
1:2,000



RENISON LIMITED	
GLOBE MINE GRID Zn SOIL GEOCHEMISTRY	
GEOLOGIST :DJK	SCALE 1:2000 METRES
DRAUGHTSMAN :IF, CS	
DATE :JUNE 1982	
REVISIONS :	DRAWING No. 16

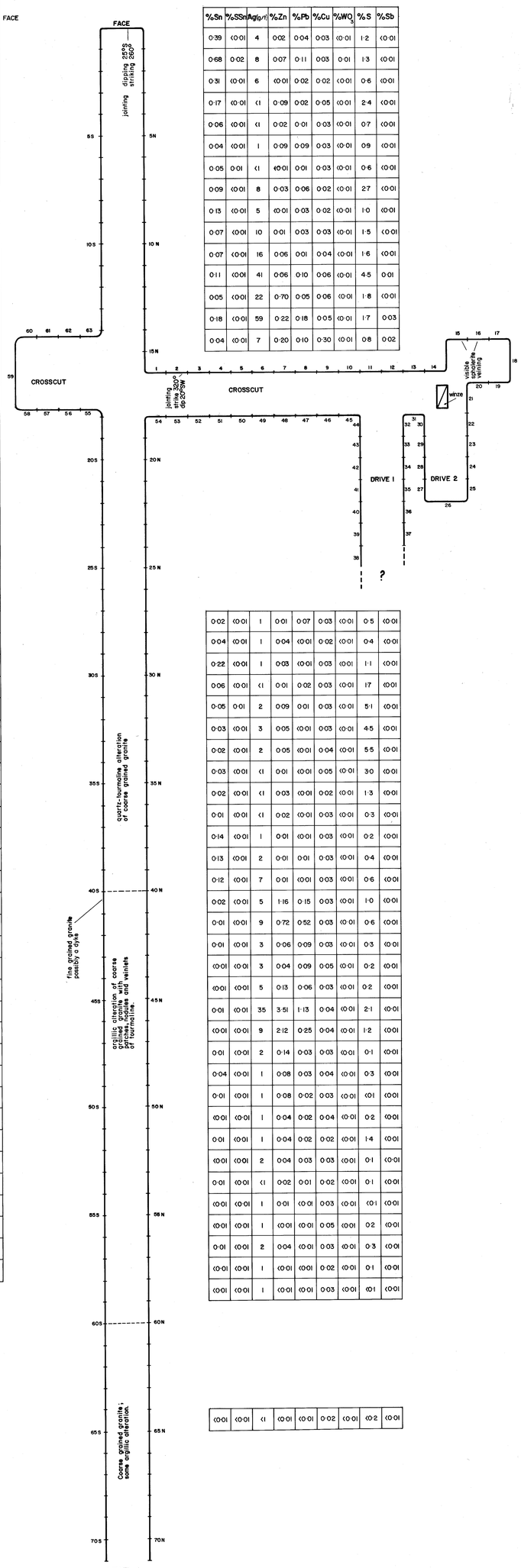
%Sb	%S	%WO_3	%Cu	%Pb	%Zn	Ag(g/t)	%SSn	%Sn
<0·01	0·8	<0·01	0·03	0·07	0·08	5	<0·01	0·89
<0·01	1·3	0·01	0·02	0·19	0·19	12	<0·01	1·44
<0·01	0·4	<0·01	0·02	0·05	<0·01	2	0·01	0·53
<0·01	0·4	<0·01	0·02	<0·01	0·01	2	<0·01	0·28
<0·01	1·7	<0·01	0·05	0·04	0·90	4	0·01	0·17
<0·01	0·9	<0·01	0·04	<0·01	0·39	2	0·01	0·04
<0·01	0·5	<0·01	0·03	0·02	0·02	2	<0·01	0·05
<0·01	0·1	<0·01	0·02	<0·01	<0·01	1	0·01	0·02
<0·01	0·6	<0·01	0·04	0·03	0·03	4	<0·01	0·12
<0·01	0·5	<0·01	0·03	0·01	0·01	3	<0·01	0·10
<0·01	0·5	<0·01	0·02	0·07	<0·01	7	<0·01	0·12
<0·01	0·4	<0·01	0·02	0·08	<0·01	8	<0·01	0·04
<0·01	0·8	<0·01	0·03	0·04	<0·01	10	<0·01	0·04
0·04	0·6	<0·01	0·03	0·11	<0·01	45	<0·01	0·03
0·08	1·3	<0·01	0·05	0·54	0·02	69	<0·01	0·05

FACE

%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
0·39	<0·01	4	0·02	0·04	0·03	<0·01	1·2	<0·01
0·68	0·02	8	0·07	0·11	0·03	0·01	1·3	<0·01
0·31	<0·01	6	<0·01	0·02	0·02	<0·01	0·6	<0·01
0·17	<0·01	<1	0·09	0·02	0·05	<0·01	2·4	<0·01
0·06	<0·01	<1	0·02	0·01	0·03	<0·01	0·7	<0·01
0·04	<0·01	1	0·09	0·09	0·03	<0·01	0·9	<0·01
0·05	0·01	<1	<0·01	0·01	0·03	<0·01	0·6	<0·01
0·09	<0·01	8	0·03	0·06	0·02	<0·01	2·7	<0·01
0·13	<0·01	5	<0·01	0·03	0·02	<0·01	1·0	<0·01
0·07	<0·01	10	0·01	0·03	0·03	<0·01	1·5	<0·01
0·07	<0·01	16	0·06	0·01	0·04	<0·01	1·6	<0·01
0·11	<0·01	41	0·06	0·10	0·06	<0·01	4·5	0·01
0·05	<0·01	22	0·70	0·05	0·06	<0·01	1·8	<0·01
0·18	<0·01	59	0·22	0·18	0·05	<0·01	1·7	0·03
0·04	<0·01	7	0·20	0·10	0·30	<0·01	0·8	0·02

%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
0·04	<0·01	32	0·02	0·51	0·03	<0·01	0·6	0·05
0·02	<0·01	16	0·01	0·53	0·02	0·04	0·2	0·02
0·03	0·01	50	0·02	3·23	0·02	0·06	1·4	0·04
0·05	<0·01	10	0·06	0·17	0·04	0·03	1·6	<0·01
0·59	<0·01	4	0·06	0·07	0·02	<0·01	1·1	<0·01
0·09	<0·01	2	<0·01	0·02	0·02	<0·01	0·7	<0·01
0·11	<0·01	2	0·01	0·05	0·02	<0·01	0·6	<0·01
0·03	<0·01	2	<0·01	0·05	0·03	<0·01	0·5	<0·01
0·02	<0·01	2	<0·01	0·01	0·02	<0·01	0·2	<0·01
0·02	<0·01	4	0·01	0·13	0·03	<0·01	0·7	<0·01
0·02	<0·01	1	0·12	0·04	0·02	<0·01	0·4	<0·01
0·04	<0·01	1	0·07	<0·01	0·02	<0·01	1·0	<0·01

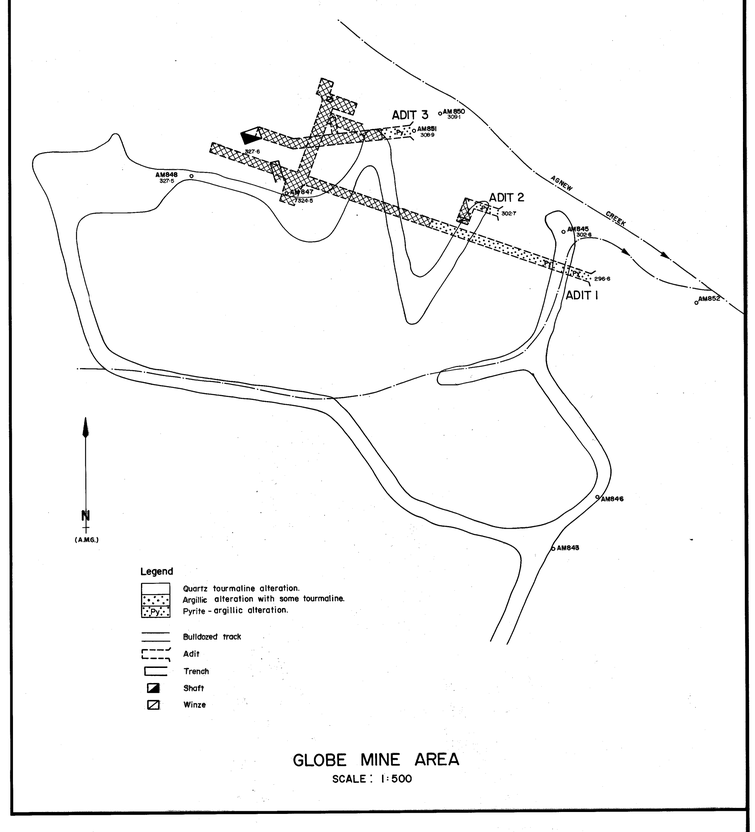
Samples taken from cross cut back, next to junction with adit.



ADIT 1

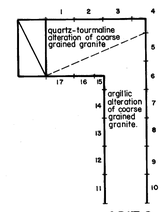
%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
0·02	<0·01	1	0·01	0·07	0·03	<0·01	0·5	<0·01
0·04	<0·01	1	0·04	<0·01	0·02	<0·01	0·4	<0·01
0·22	<0·01	1	0·03	<0·01	0·03	<0·01	1·1	<0·01
0·06	<0·01	<1	0·01	0·02	0·03	<0·01	1·7	<0·01
0·05	0·01	2	0·09	0·01	0·03	<0·01	5·1	<0·01
0·03	<0·01	3	0·05	<0·01	0·03	<0·01	4·5	<0·01
0·02	<0·01	2	0·05	<0·01	0·04	<0·01	5·5	<0·01
0·03	<0·01	<1	0·01	<0·01	0·05	<0·01	3·0	<0·01
0·02	<0·01	<1	0·03	<0·01	0·02	<0·01	1·3	<0·01
0·01	<0·01	<1	0·02	<0·01	0·03	<0·01	0·3	<0·01
0·14	<0·01	1	0·01	<0·01	0·03	<0·01	0·2	<0·01
0·13	<0·01	2	0·01	0·01	0·03	<0·01	0·4	<0·01
0·12	<0·01	7	0·01	<0·01	0·03	<0·01	0·6	<0·01
0·02	<0·01	5	1·16	0·15	0·03	<0·01	1·0	<0·01
0·01	<0·01	9	0·72	0·52	0·03	<0·01	0·6	<0·01
0·01	<0·01	3	0·06	0·09	0·03	<0·01	0·3	<0·01
<0·01	<0·01	3	0·04	0·09	0·05	<0·01	0·2	<0·01
<0·01	<0·01	5	0·13	0·06	0·03	<0·01	0·2	<0·01
0·01	<0·01	35	3·51	1·13	0·04	<0·01	2·1	<0·01
<0·01	<0·01	9	2·12	0·25	0·04	<0·01	1·2	<0·01
0·01	<0·01	2	0·14	0·03	0·03	<0·01	0·1	<0·01
0·04	<0·01	1	0·08	0·03	0·04	<0·01	0·3	<0·01
0·01	<0·01	1	0·08	0·02	0·03	<0·01	<0·1	<0·01
<0·01	<0·01	1	0·04	0·02	0·04	<0·01	0·2	<0·01
0·01	<0·01	1	0·04	0·02	0·02	<0·01	1·4	<0·01
<0·01	<0·01	2	0·04	0·03	0·03	<0·01	0·1	<0·01
0·01	<0·01	<1	0·02	0·01	0·02	<0·01	0·1	<0·01
<0·01	<0·01	1	0·01	<0·01	0·03	<0·01	<0·1	<0·01
<0·01	<0·01	1	<0·01	<0·01	0·05	<0·01	0·2	<0·01
0·01	<0·01	2	0·04	<0·01	0·03	<0·01	0·3	<0·01
<0·01	<0·01	1	<0·01	<0·01	0·02	<0·01	0·1	<0·01
<0·01	<0·01	1	<0·01	<0·01	0·03	<0·01	<0·1	<0·01

%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
<0·01	<0·01	<1	<0·01	<0·01	0·02	<0·01	<0·2	<0·01



GLOBE MINE AREA
SCALE : 1:500

Sample No.	%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
1	0·14	<0·01	1	0·10	0·12	0·02	<0·01	0·7	0·01
2	0·41	<0·01	1	0·04	0·05	0·02	<0·01	1·2	0·01
3	0·05	<0·01	2	0·06	0·04	0·01	<0·01	2·8	0·01
4	0·02	<0·01	3	0·05	0·10	0·02	<0·01	5·6	0·01
5	0·03	<0·01	6	0·12	0·46	0·01	<0·01	3·3	0·01
6	0·28	<0·01	7	0·08	0·24	0·02	<0·01	4·1	0·02
7	0·33	<0·01	1	0·16	0·07	0·02	<0·01	2·4	0·01
8	0·01	<0·01	3	0·29	0·12	0·02	<0·01	2·0	0·01
9	<0·01	<0·01	2	0·03	0·07	0·02	<0·01	0·1	0·01
10	0·02	<0·01	1	<0·01	0·01	0·02	<0·01	<0·1	0·01
11	0·08	<0·01	3	0·01	0·07	0·02	<0·01	0·1	<0·01
12	0·12	<0·01	3	0·02	0·05	0·01	<0·01	0·4	<0·01
13	0·05	<0·01	2	0·04	0·06	0·02	<0·01	2·6	<0·01
14	0·19	<0·01	1	0·22	0·04	0·02	<0·01	2·0	<0·01
15	0·01	<0·01	3	0·03	0·06	0·02	<0·01	0·5	<0·01
16	0·01	0·01	2	0·05	0·06	0·02	<0·01	0·4	0·01
17	<0·01	<0·01	3	0·23	0·28	0·02	<0·01	0·3	0·01



ADIT 2

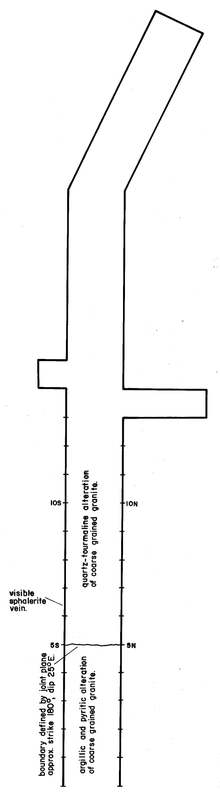
*N.B. As ; <0·1, except Sample No. 10 : 0·1%
15 : 0·1%
16 : 0·2%
34 : 2·2%
33-34 S : 0·54%

Bi; <0·007, except Sample No. 33: 0·017%
1-2N: 0·016%

Sample No.	%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
1	0·51	<0·01	168	0·01	0·28	0·02	<0·01	0·2	0·11
2	0·03	<0·01	18	0·01	0·06	0·01	<0·01	<0·1	0·03
3	0·02	0·01	145	0·01	0·25	0·02	<0·01	<0·1	0·08
4	0·03	0·01	250	0·01	0·42	0·02	<0·01	0·4	0·18
5	0·05	0·02	97	0·01	0·22	0·02	<0·01	0·3	0·09
6	0·07	0·02	99	0·01	0·32	0·03	<0·01	0·2	0·12
7	0·04	0·02	95	0·01	0·24	0·02	<0·01	0·2	0·10
8	0·03	0·02	42	0·01	0·22	0·03	<0·01	0·1	0·09
9	0·04	<0·01	40	0·06	0·10	0·04	<0·01	0·9	0·06
10	0·11	<0·01	52	0·20	0·33	0·08	<0·01	9·6	0·09
11	0·26	<0·01	59	0·11	0·08	0·06	<0·01	2·5	0·03
12	0·03	<0·01	38	0·02	0·30	0·05	<0·01	0·6	0·06
13	0·03	<0·01	57	0·02	0·29	0·06	<0·01	0·6	0·10
14	0·04	<0·01	86	0·04	0·63	0·04	<0·01	0·9	0·13
15	0·03	<0·01	215	3·48	2·72	0·38	<0·01	4·9	0·61
16	0·02	<0·01	250	0·44	2·99	0·35	<0·01	2·9	0·52
17	0·06	<0·01	153	0·14	0·30	0·14	<0·01	0·6	0·14
18	0·06	<0·01	52	0·22	0·30	0·09	<0·01	0·8	0·10
19	0·02	<0·01	128	0·09	0·35	0·13	<0·01	0·7	0·17
20	0·03	<0·01	250	0·28	1·33	0·17	<0·01	1·5	0·45
21	0·05	<0·01	76	0·01	0·41	0·05	<0·01	0·2	0·12
22	0·03	<0·01	217	0·02	0·44	0·07	<0·01	0·2	0·23
23	0·07	<0·01	215	0·02	0·85	0·06	<0·01	0·3	0·36
24	0·11	<0·01	186	0·04	4·35	0·12	0·01	1·2	0·37
25	0·01	<0·01	138	0·01	0·19	0·04	<0·01	<0·1	0·10
26	0·02	<0·01	125	0·01	0·70	0·03	<0·01	0·3	0·19
27	0·02	<0·01	63	0·03	0·75	0·03	<0·01	0·1	0·18
28	0·03	<0·01	56	0·01	0·14	0·03	<0·01	<0·1	0·05
29	0·05	<0·01	37	0·02	0·16	0·03	<0·01	0·1	0·04
30	0·03	<0·01	180	0·03	0·37	0·07	<0·01	0·5	0·13
31	0·02	<0·01	88	0·09	0·19	0·06	<0·01	0·3	0·07
32	0·02	<0·01	132	0·01	0·07	0·02	<0·01	0·1	0·04

Sample No.	%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
33	0·03	<0·01	300	0·03	0·39	0·03	<0·01	0·2	0·13
34	0·13	0·08	200	4·90	0·74	0·13	0·01	6·8	0·15
35	0·04	<0·01	13	0·01	0·08	0·01	<0·01	<0·1	0·01
36	0·02	<0·01	10	0·03	0·09	0·03	<0·01	<0·1	0·01
37	0·02	<0·01	10	0·01	0·06	0·01	<0·01	<0·1	0·01
38	0·02	<0·01	43	0·01	0·24	0·02	<0·01	0·2	0·04
39	0·04	<0·01	107	0·03	0·19	0·03	<0·01	0·2	0·07
40	0·02	<0·01	20	0·01	0·05	0·02	<0·01	<0·1	0·01
41	0·02	<0·01	52	0·01	0·44	0·02	<0·01	0·1	0·03
42	0·06	<0·01	33	0·01	0·22	0·03	<0·01	<0·1	0·04
43	0·02	<0·01	53	0·02	0·22	0·04	<0·01	0·6	0·04
44	0·03	0·01	240	0·02	0·31	0·03	<0·01	0·4	0·12
45	0·06	<0·01	67	0·06	0·17	0·19	<0·01	1·3	0·07
46	0·03	<0·01	66	0·02	0·15	0·07	<0·01	0·9	0·07
47	0·03	<0·01	38	0·01	0·11	0·02	<0·01	0·4	0·05
48	0·03	<0·01	132	0·01	0·14	0·02	<0·01	0·1	0·07
49	0·02	<0·01	24	0·01	0·18	0·02	<0·01	0·1	0·06
50	0·04	<0·01	32	0·01	0·16	0·02	<0·01	0·2	0·05
51	0·03	<0·01	136	0·01	0·25	0·03	<0·01	0·3	0·08
52	0·02	<0·01	47	0·01	0·14	0·01	<0·01	0·1	0·05
53	0·02	<0·01	50	0·01	0·16	0·02	<0·01	0·3	0·07
54	0·04	<0·01	86	0·01	0·22	0·04	<0·01	0·2	0·09
55	0·03	<0·01	6	<0·01	0·11	0·02	<0·01	0·1	<0·01
56	0·01	0·01	35	<0·01	1·11	0·02	<0·01	2·7	<0·01
57	0·02	0·01	5	<0·01	0·03	0·02	<0·01	0·3	<0·01
58	0·02	0·01	3	<0·01	0·06	0·04	<0·01	0·3	<0·01
59	0·03	<0·01	5	<0·01	0·02	0·03	<0·01	0·6	<0·01
60	0·04	<0·01	3	0·01	0·07	0·02	<0·01	0·2	0·01
61	0·03	<0·01	7	0·01	0·16	0·02	<0·01	0·8	0·01
62	0·02	<0·01	15	<0·01	0·02	0·02	<0·01	0·1	0·01
63	0·01	<0·01	19	<0·01	0·20	0·02	<0·01	0·4	0·01

%Sb	%S	%WO_3	%Cu	%Pb	%Zn	Ag(g/t)	%SSn	%Sn
<0·01	<0·1	<0·01	0·03	0·11	0·01	11	<0·01	0·27
<0·01	<0·1	<0·01	0·03	0·13	<0·01	4	0·01	0·04
<0·01	0·1	<0·01	0·03	0·06	0·01	3	<0·01	0·03
<0·01	0·1	<0·01	0·03	0·09	0·01	4	0·02	0·18
<0·01	<0·1	<0·01	0·03	0·03	0·02	3	0·02	0·16
<0·01	0·5	<0·01	0·03	0·18	0·56	4	0·01	0·16
<0·01	0·1	<0·01	0·03	0·07	0·08	7	<0·01	0·08
0·01	8·5	<0·01	0·10	1·63	11·58	52	<0·01	0·24
0·01	0·3	<0·01	0·02	0·13	0·25	7	0·01	0·72
<0·01	0·1	<0·01	0·03	0·05	0·01	5	<0·01	0·07
0·01	<0·1	<0·01	0·02	0·07	0·01	2	<0·01	0·02
0·01	<0·1	<0·01	0·02	0·01	<0·01	1	<0·01	<0·01
0·01	<0·1	<0·01	0·03	0·01	0·01	2	<0·01	0·03
<0·01	<0·1	<0·01	0·02	0·01	<0·01	3	<0·01	<0·01



%Sn	%SSn	Ag(g/t)	%Zn	%Pb	%Cu	%WO_3	%S	%Sb
0·08	<0·01	27	0·01	0·36	0·02	<0·01	0·8	0·02
0·06	<0·01	31	0·02	0·17	0·03	<0·01	0·6	0·01
0·10	<0·01	18	<0·01	0·06	0·03	<0·01	0·1	0·02
0·04	<0·01	10	0·24	0·13	0·03	<0·01	0·6	0·01
0·05	<0·01	1	0·03	0·08	0·02	<0·01	0·2	0·01
0·42	0·01	2	0·14	0·18	0·03	<0·01	0·2	0·01
5·00	0·03	23	0·03	0·39	0·03	0·07	0·3	0·01
0·15	0·01	4	0·07	0·11	0·03	<0·01	0·2	0·01
0·18	0·01	6	0·12	0·22	0·03	<0·01	0·3	0·01
0·01	<0·01	1	0·01	0·03	0·02	<0·01	<0·1	0·01
<0·01	<0·01	1	0·01	0·04	0·02	<0·01	<0·1	0·01
0·01	0·01	3	<0·01	0·01	0·03	<0·01	<0·1	0·01
<0·01	<0·01	2	<0·01	0·01	0·02	<0·01	<0·1	0·01

*N.B. As; <0·1% Bi; <0·0004% in all instances.

ADIT 3

NOTE: WO₃ analyses are somewhat inaccurate because, at the time of assaying, the XRF calibration was incorrect. Corrections have been made to the reported assays by subtracting a background value approximately equivalent to <0·01% WO₃.

5 cm

RENISON LIMITED

GLOBE MINE S.P.L. 129

ADIT SAMPLING RESULTS

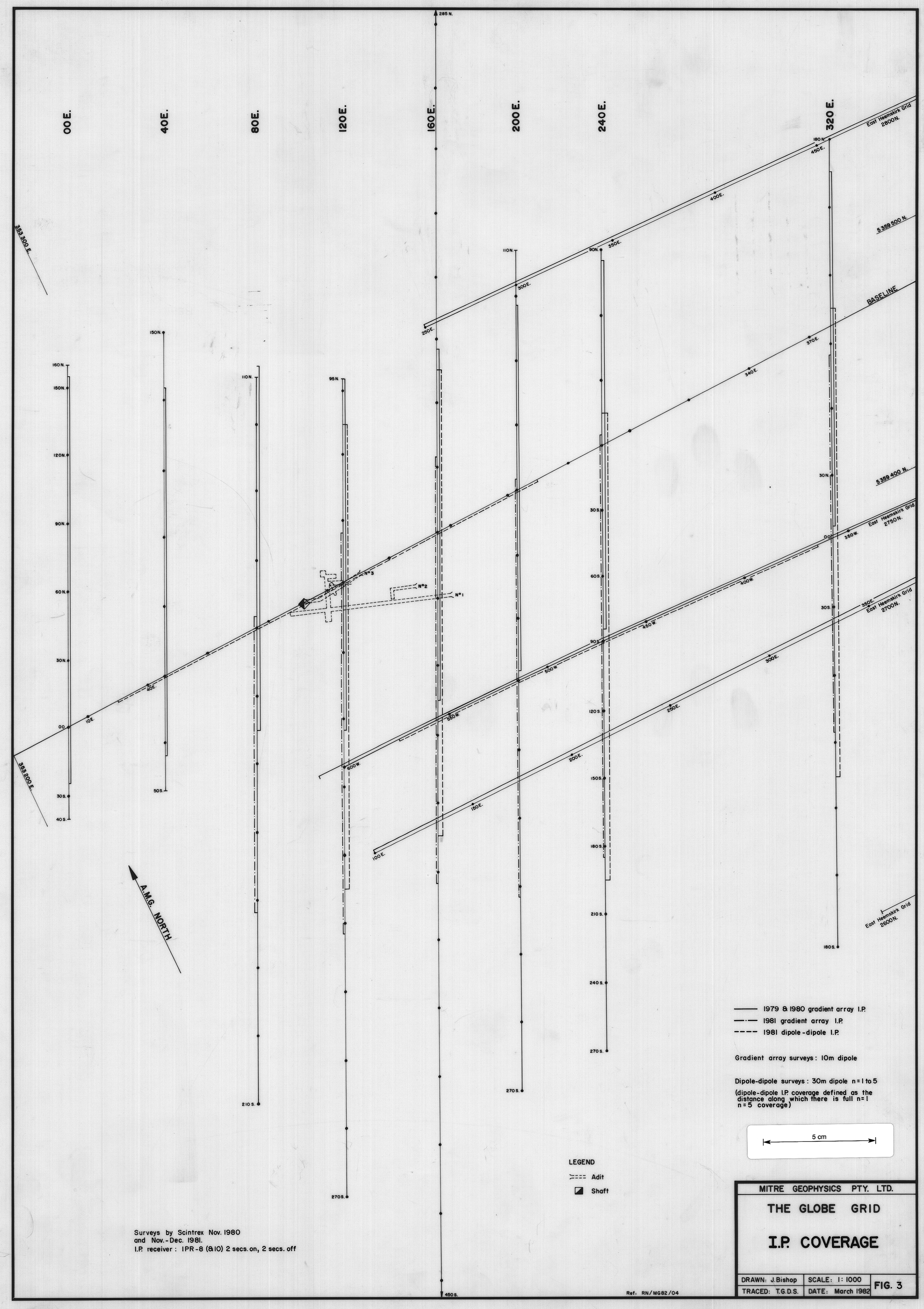
GEOLOGIST : C.C.
DRAUGHTSMAN : T.G.D.S.
DATE : JULY 1981
REVISIONS :

SCALE · 1:100 METRES (2 1 0 1 2 3 4)

DRAWING NO :

HEEMSKIRK GRANITE AREA
GLOBE MINE SAMPLING RESULTS
1:100

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)
101



1979 & 1980 gradient array I.P.

1981 gradient array I.P.

1981 dipole-dipole I.P.

Gradient array surveys : 10m dipole

Dipole-dipole surveys : 30m dipole n = 1 to 5

(dipole-dipole I.P. coverage defined as the distance along which there is full n=1 n=5 coverage)

5 cm

LEGEND

Adit

Shaft

Surveys by Scintrex Nov. 1980
and Nov.-Dec. 1981.
I.P. receiver : IPR-8 (&10) 2 secs. on, 2 secs. off

Ref: RN/MG82/04

MITRE GEOPHYSICS PTY. LTD.

THE GLOBE GRID

I.P. COVERAGE

DRAWN: J.Bishop	SCALE: 1:1000	FIG. 3
TRACED: T.G.D.S.	DATE: March 1982	

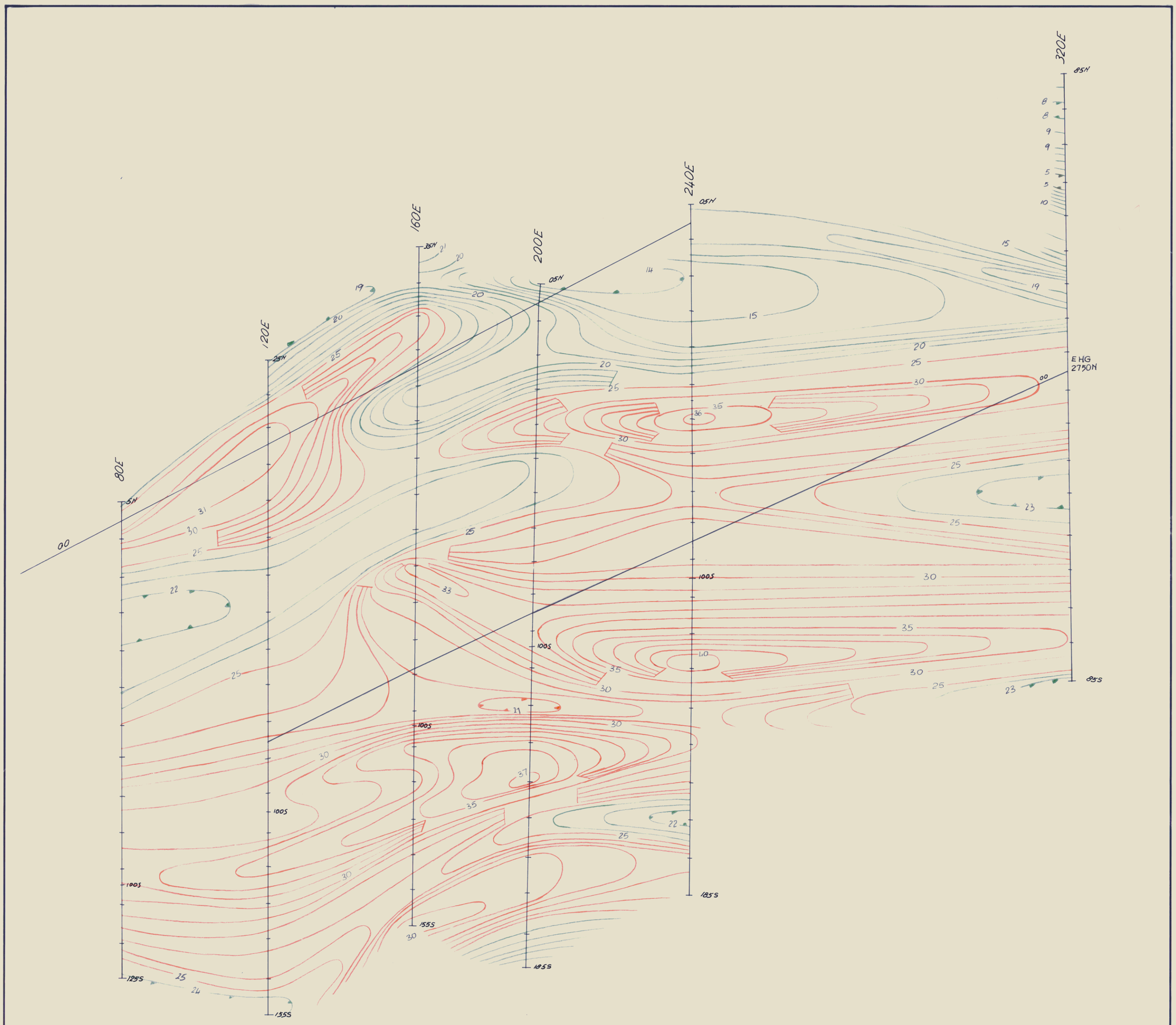
HEEMSKIRK GRANITE AREA
GLOBE GRID I.P. COVERAGE
1:1,000

85 - 2426
Heemskirk Granite Area
(Globe Mine)
102

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

103

HEEMSKIRK GRANITE AREA
GLOBE GR. ARRAY EIP
CHARGEABILITY CONTOURS
1:1,000



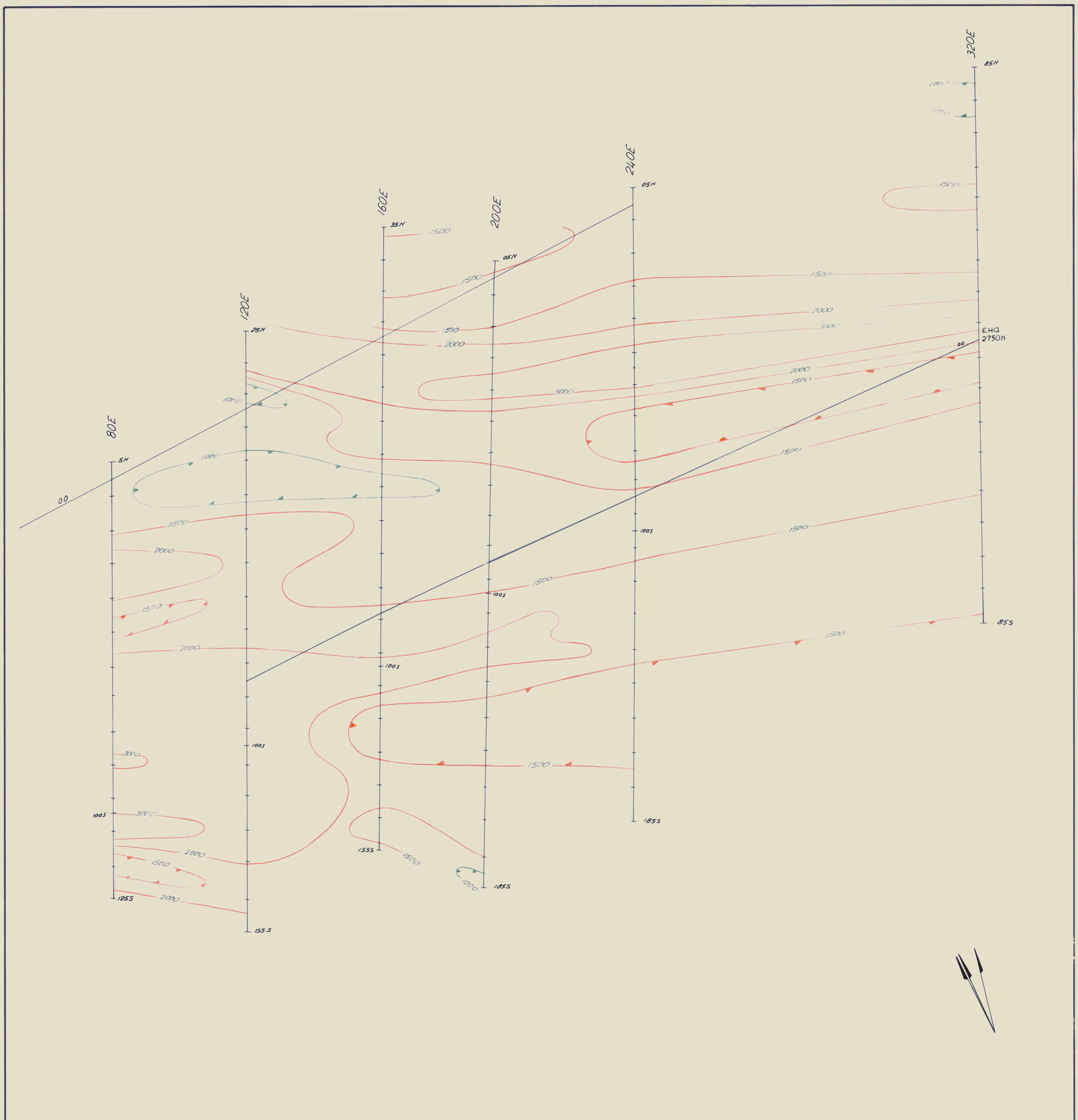
5 cm

RENISON LIMITED
GLOBE
GRADIENT ARRAY EIP
CHARGEABILITY CONTOURS
SURVEYED & COMPILED BY
NOVEMBER 1981
SCALE 1:1000 Job No. TAS-093

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

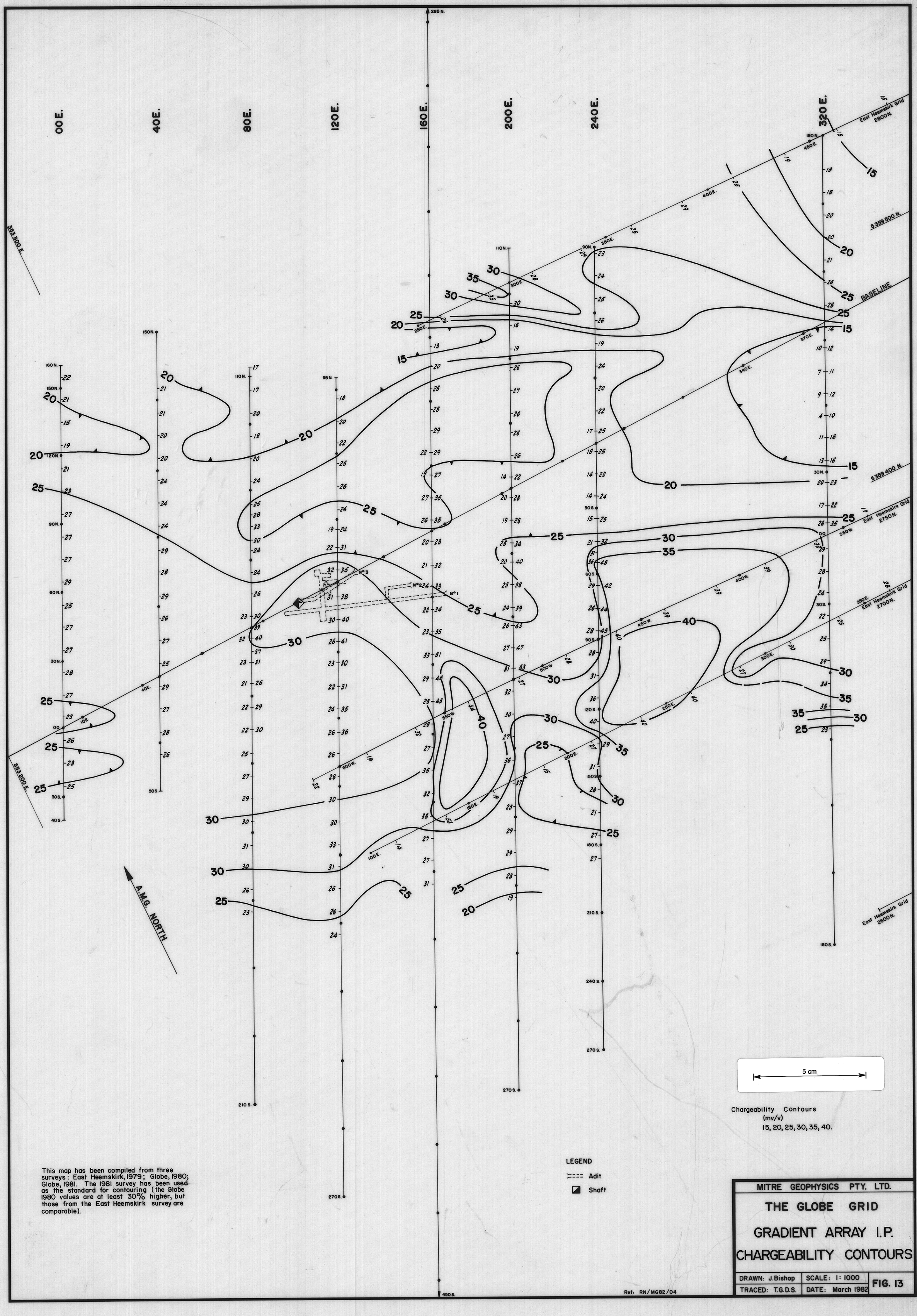
104

HEEMSKIRK GRANITE AREA
GLOBE
GRADIENT ARRAY EIP
RESISTIVITY CONTOURS
1:1,000



5 cm

RENISON LIMITED
GLOBE
GRADIENT ARRAY EIP
RESISTIVITY CONTOURS
SURVEYED & COMPILED BY
NOVEMBER 1981
SCALE 1:1000 m Job N°. TAS-093



Chargeability Contours
(mv/v)
15, 20, 25, 30, 35, 40.

This map has been compiled from three surveys: East Heemskirk, 1979; Globe, 1980; Globe, 1981. The 1981 survey has been used as the standard for contouring (the Globe 1980 values are at least 30% higher, but those from the East Heemskirk survey are comparable).

LEGEND

Adit

Shaft

Ref: RN/MG82/04

MITRE GEOPHYSICS PTY. LTD.

THE GLOBE GRID

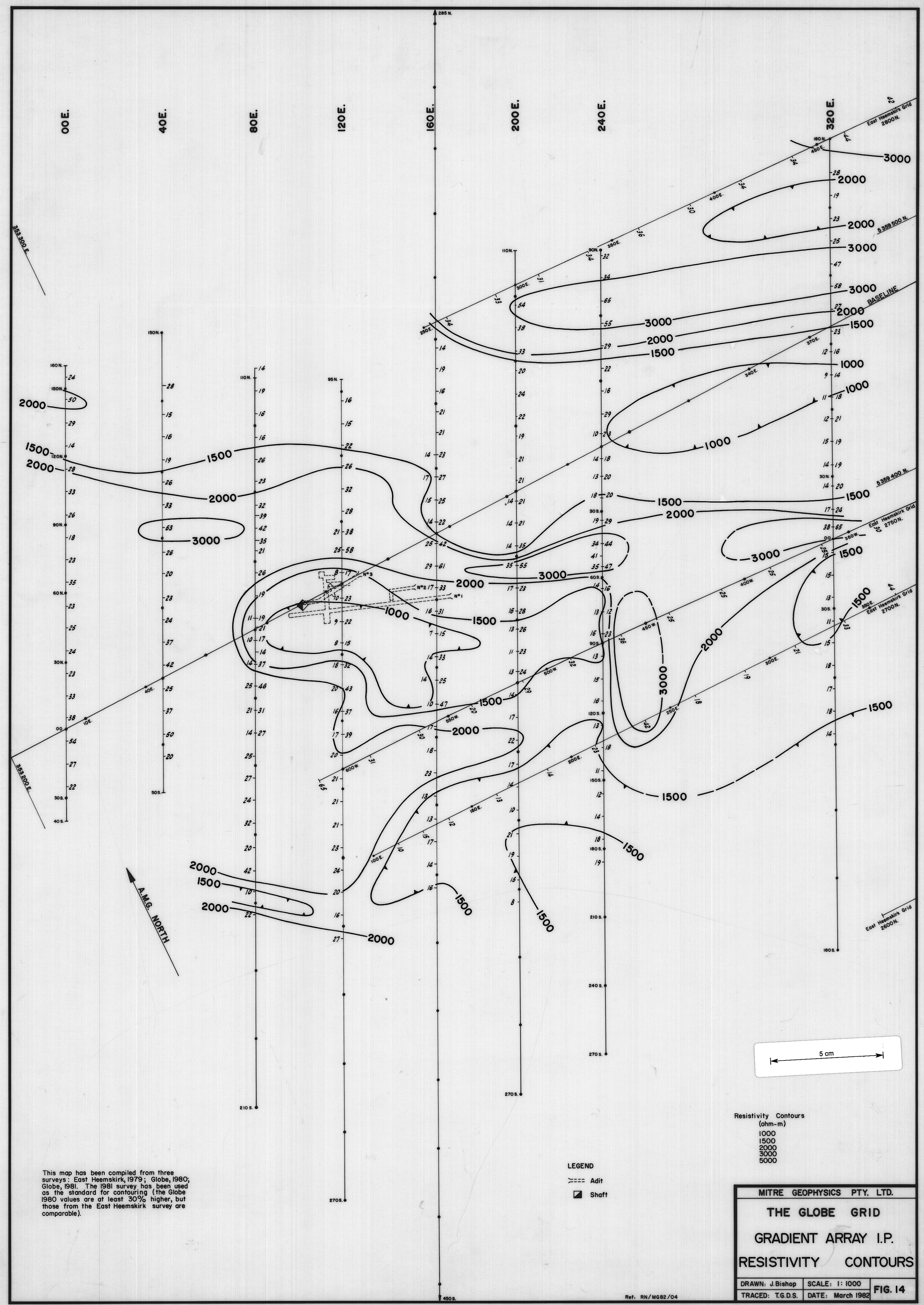
GRADIENT ARRAY I.P.

CHARGEABILITY CONTOURS

DRAWN: J.Bishop	SCALE: 1:1000	FIG. 13
TRACED: T.G.D.S.	DATE: March 1982	

HEEMSKIRK GRANITE AREA
GLOBE GRID
GRO ARRAY I.P.
CHARGEABILITY CONTOURS
1:1,000
GLOBE

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)
105



This map has been compiled from three surveys: East Heemskirk, 1979; Globe, 1980; Globe, 1981. The 1981 survey has been used as the standard for contouring (the Globe 1980 values are at least 30% higher, but those from the East Heemskirk survey are comparable).

Resistivity Contours (ohm-m)
1000
1500
2000
3000
5000

LEGEND
Adit
Shaft

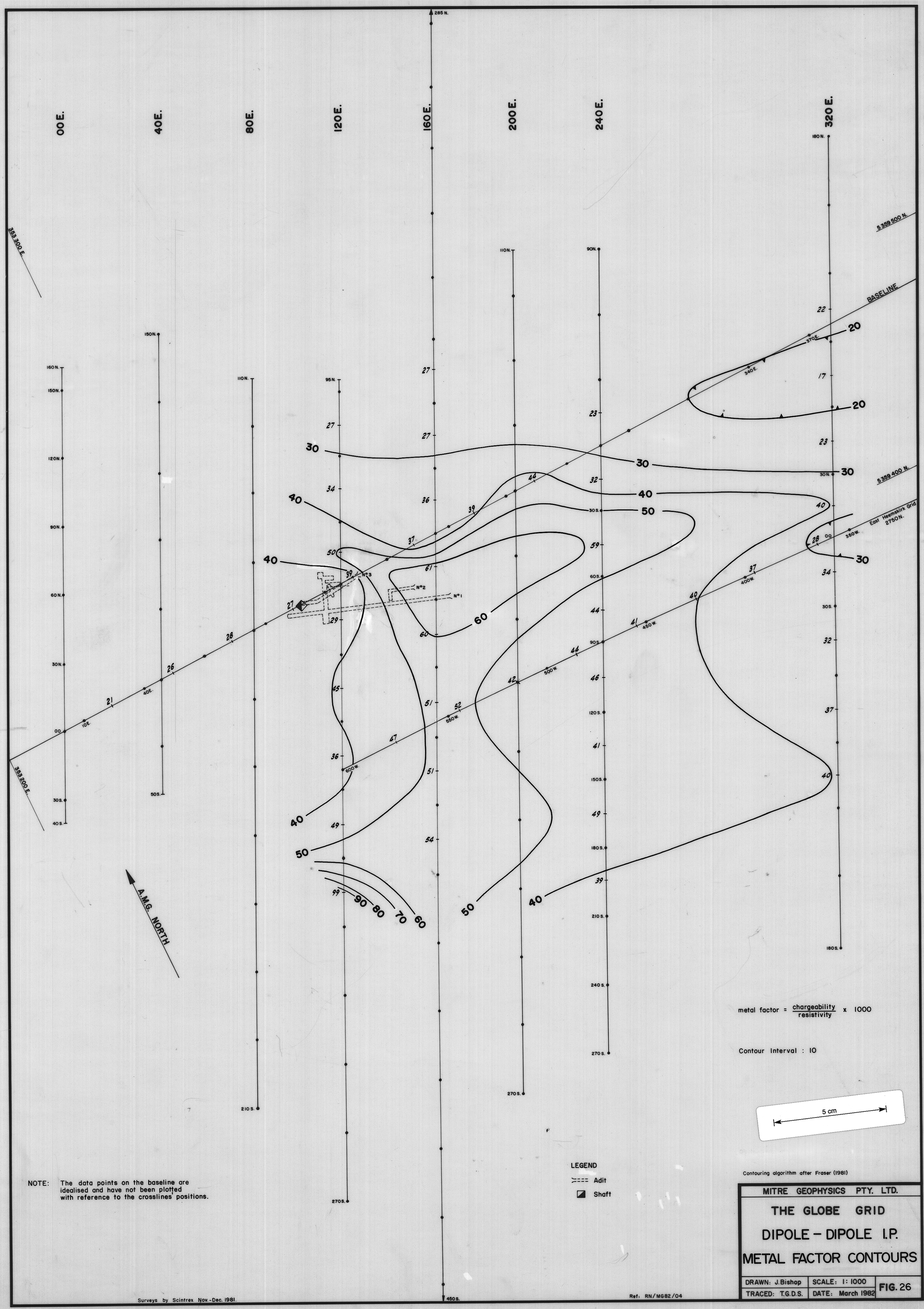
Ref: RN/MG82/04

MITRE GEOPHYSICS PTY. LTD.		
THE GLOBE GRID		
GRADIENT ARRAY I.P.		
RESISTIVITY CONTOURS		
DRAWN: J.Bishop	SCALE: 1: 1000	FIG. 14
TRACED: T.G.D.S.	DATE: March 1982	

HEEMSKIRK GRANITE AREA
GLOBE GR. ARRAY RESISTIVITY CONTOURS
1: 1,000

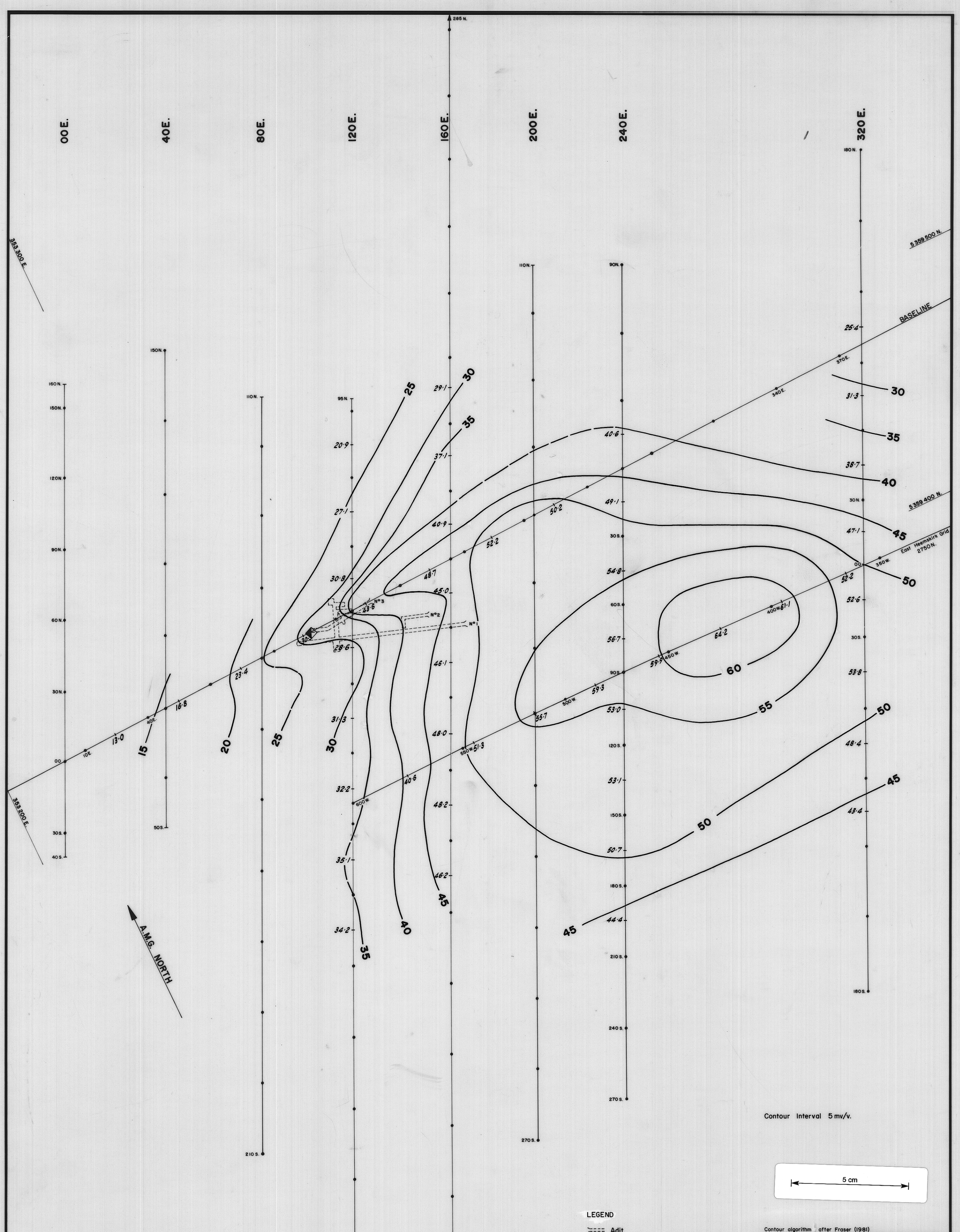
85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

106



HEEMSKIRK GRANITE AREA
GLOBE GRID. DIPOLE-DIPOLE I.P. METAL FACTOR CONTOURS
1:1,000

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)
107



Contour Interval 5 mv/v.

5 cm

LEGEND

Adit

Shaft

Contour algorithm after Fraser (1981)

NOTE: The data points on the baseline are idealised and have not been plotted with reference to the crosslines' positions.

Surveys by Scintrex Nov. - Dec. 1981

Ref: RN/MG82/04

MITRE GEOPHYSICS PTY. LTD.

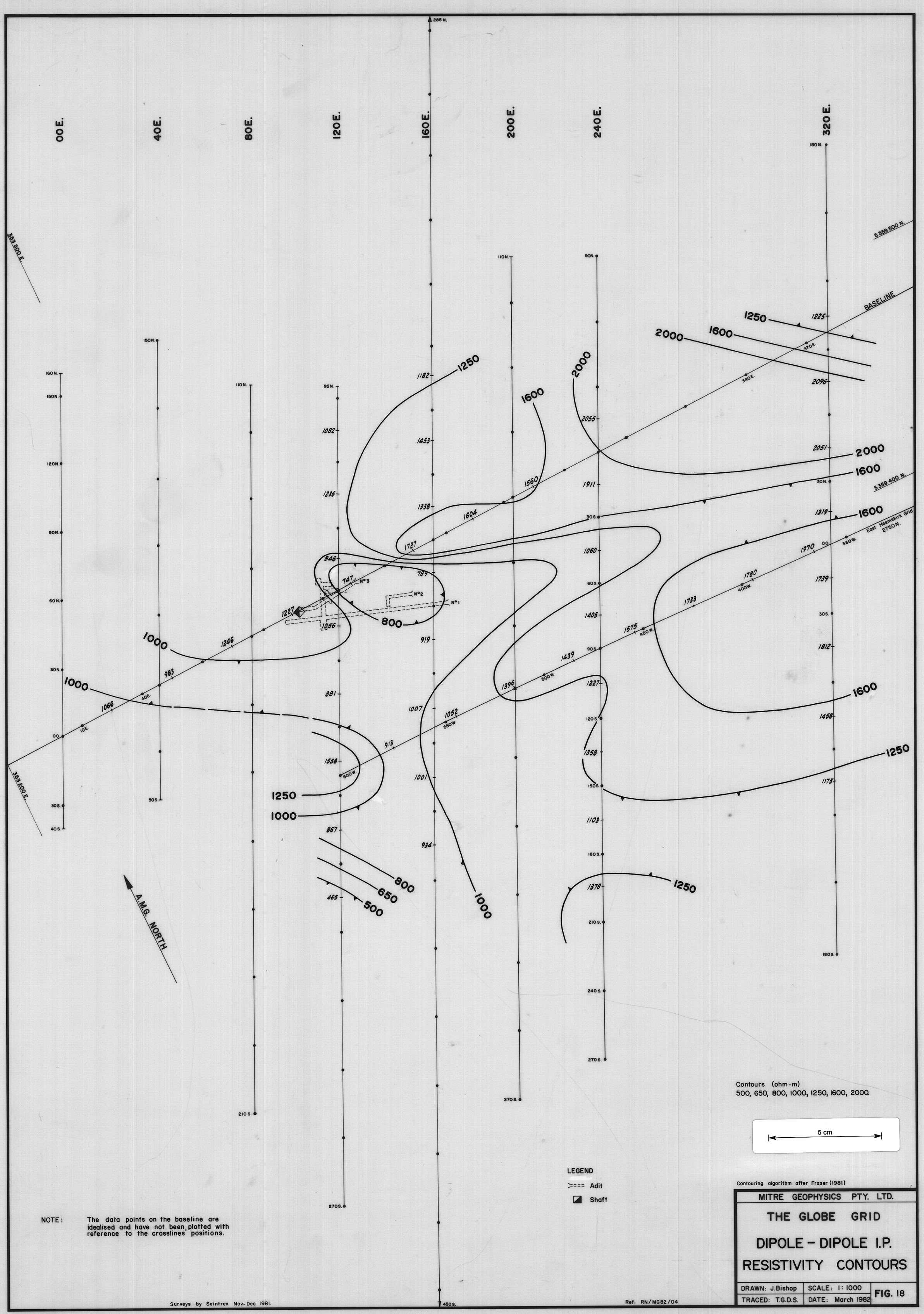
THE GLOBE GRID

DIPOLE - DIPOLE I.P. CHARGEABILITY CONTOURS

DRAWN: J.Bishop	SCALE: 1: 1000	FIG. 17
TRACED: T.G.D.S.	DATE: March 1982	

HEEMSKIRK GRANITE AREA
GLOBE DIPOLE - DIPOLE
I.P. CHARGEABILITY
CONTOURS
1: 1,000

85 - 2426
Heemskirk Granite Area
(Globe Mine)
801



HEEMSKIRK GRANITE AREA
GLOBE DIPOLE-DIPOLE I.P.
RESISTIVITY CONTOURS
1: 1,000

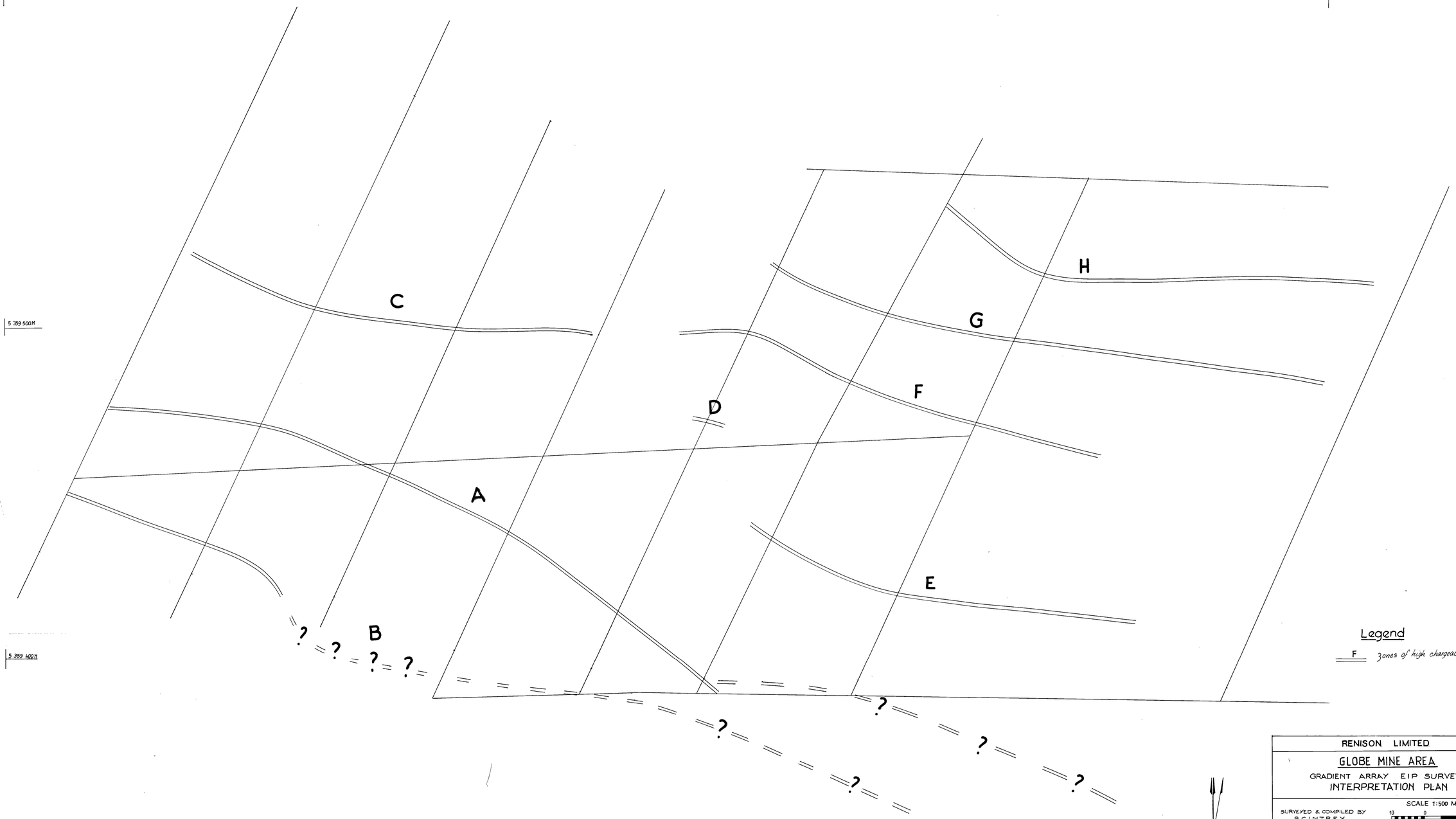
85 - 2426
Heemskirk Granite Area
(Globe Mine)

601

5 359 600N

5 359 500N

5 359 400N



5 359 600 N

Legend

F Zones of high chargeability

5 cm

RENISON LIMITED

GLOBE MINE AREA

GRADIENT ARRAY EIP SURVEY
INTERPRETATION PLAN

SURVEYED & COMPILED BY
SCINTREX

NOV-DEC 80

Job No TAS-081-C

SCALE 1:500 METRES

10 0 10 20

PLATE 3

93 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

110

HEEMSKIRK GRANITE AREA
GLOBE
GLOBE GRID
GR. ARRAY E.I.P.
INTERP. PLAN
1:500

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E. L. 11/76 & S.P.L. 129)

///

1:5,000

GLOBE MINE AREA
HEEMSKIRK GRANITE AREA
INTERP. GEOLOGY + DRILLHOLE LOCALITY
1:500

INTERP. GEOLOGY & DRILL HOLE LOCALITY PLAN.

GOLD FIELDS EXPLORATION PTY LIMITED

GLOBE MINE AREA

INTERPRETATIVE GEOLOGY & DIAMOND DRILL HOLE LOCALITY PLAN

DRAWN BY : A.J.C.
DRAFTSMAN: S.J.F
DATE : Oct.83
REVISIONS :
FILE NO.

SCALE 1:500 METRES

FIG. 49

Legend

- POTENTIALLY ECONOMIC Sn &/or Ag GRADES
- TOURMALINE ALTERATION
- GREISENISED GRANITE
- ARGILLIC ALTERATION
- FINE GRAINED PORPHYRITIC GRANITE
- COARSE GRAINED WHITE GRANITE
- FINE GRAINED WHITE GRANITE
- MEDIUM TO COARSE GRAINED RED GRANITE

TOURMALINE VEINING: NEAR VERTICAL

JOINTING & GREISEN VEINING: NEAR VERTICAL OR STEEPLY DIPPING AS SHOWN

TE 13 | TE 14 | TE 15
TD 13 | TD 14 | TD 15

5 cm

Drillholes: PM 19, PM 20, PM 21, PM 22, PM 23, PM 24, PM 25, PM 26, PM 27, PM 28, PM 29, AM 841, AM 842, AM 843, AM 844, AM 845, AM 846, AM 847, AM 848, AM 849, AM 850, AM 851, AM 852, AL 747, AL 748, AL 749, AL 750, AL 751, AR 498, AR 499, TH 7, TH 8, TH 9, TH 10, TH 11

"Magnetite bearing Alteration"

E.H.6. 2800 N

E.H.6 2750 N

E.H.6 2700 N

5 359 300 N

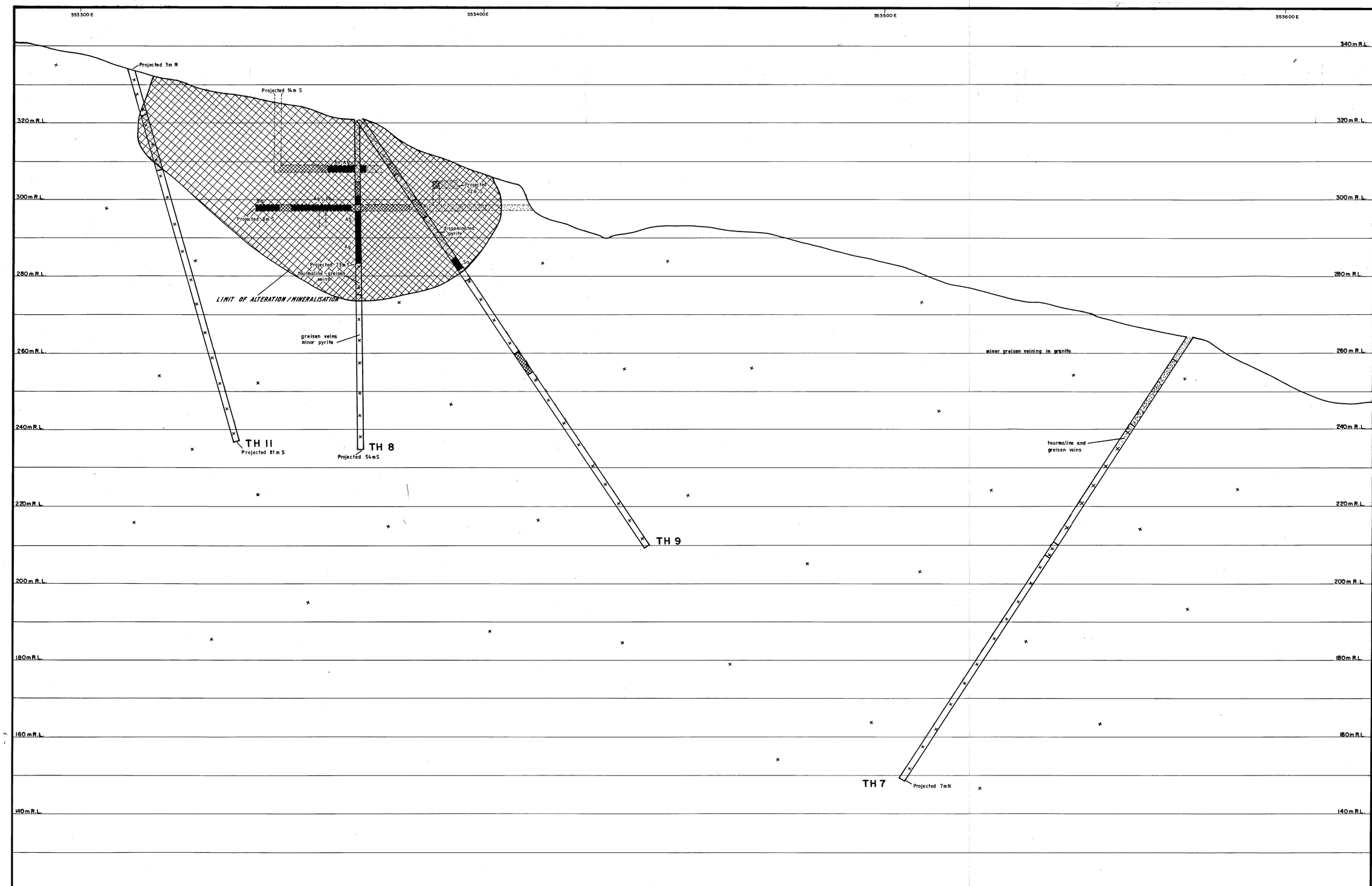
5 359 500 N

353 300 E

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

112

HEEMSKIRK GRANITE AREA
GLOBE E-W Section (105 Mag)
1:500



Legend

- potentially economic Sn and/or Ag grades with significant base metals as shown; Sn 0·1% or Ag 20 ppm.
- quartz - tourmaline alteration ± sulphide
- greisenised granite and greisen veins
- argillic and sericitic alteration
- porphyritic fine grained granite
- medium grained White Granite
- fine to medium grained granite

5 cm

GOLD FIELDS EXPLORATION PTY. LIMITED	
EAST-WEST SECTION (bearing 105 AMG) through the Globe Mine Area facing north	DRAWN BY : A.C.
	DRAFTSMAN: S.F.
	DATE : July, 83
	REVISIONS :
	FILE NO.
SCALE 1: 500 (10 5 0 10 20 METRES)	FIG.

HEEMSKIRK GRANITE AREA
GLOBE GRID
LINE PROFILE BLANK
1:500

BCA

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

113

I.P. Data

GRADIENT ARRAY

CHARGEABILITY IN MILLIVOLTS / VOLT (——)

RESISTIVITY IN Ohm - METRES (- - -)

50 200
180
40 160
140
30 120
100
20 80
60
10 40
20
0 0

30
5000
40 4000
3000
30
2000
20
1000
10
0 600

POLE - DIPOLE OR DIPOLE - DIPOLE

CHARGEABILITY (mv/v)

— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

RESISTIVITY (Ωm)

— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Geochemistry

P.P.M

Total Magnetic Field (γ)

62 600
62 500
62 400
62 300
62 200
62 100

Topography & Geology

HEIGHT ABOVE SEA LEVEL - (METRES)

RENISON LIMITED	DRAWN G.P.S.
GLOBE MINE GRID S.P.L. 129	TRACED
LINE	DATE
SECTION LOOKING W.	SCALE 1: 500
SCALE 1: 500 METRES 10 0 10 20 30	DRAWING No.

I.P. DATA
CHARGEABILITY & RESISTIVITY

S . Anomaly Letter number

5 cm

MAGNETICS

GEOCHEMISTRY

Sn
Cu
Pb
Zn
As

GEOLOGY

ALTERATION

Quartz and topaz and /or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White Alteration "Dykes"
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite ur pyrite
Quartz - mica greisen
Area of tourmaline nodules

LEGEND

ROCK TYPES

Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite

Major lineament
F —— F Fault
Definite
Approximate
—?— Inferred
Geological boundaries

HEEMSKIRK GRANITE AREA
GLOBE
GLOBE GRID
BASE LINE OON
1:500

Geochemistry

PPM

I.P. Data

GRADIENT ARRAY

CHARGEABILITY IN MILLIVOLTS / VOLT (——)

RESISTIVITY IN Ohm - METRES (- - -)

DIPOLE - DIPOLE RESISTIVITY (Ωm)

— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

POLE - DIPOLE OR DIPOLE - DIPOLE CHARGEABILITY (mv/v)

— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Total Magnetic Field (γ)

Topography & Geology

HEIGHT ABOVE SEA LEVEL (METRES)

CREEK

00E 40E 80E 120E 160E 200E 240E 320E

85 - 2426
Heemskirk Granite Area
(Federation Area)
(E.L. 11/76 & S.P.L. 129)

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RENISON LIMITED

GLOBE MINE GRID S.P.L. 129
BASE LINE OON.
SECTION LOOKING N.

SCALE. 1: 500 METRES
10 0 10 20 30

DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb. 1982
SCALE	1 500
DRAWING No.	PLAN 15K

IP DATA
CHARGEABILITY & RESISTIVITY
—— Gradient Array
S Anomaly letter number
5 cm

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As

GEOLOGY

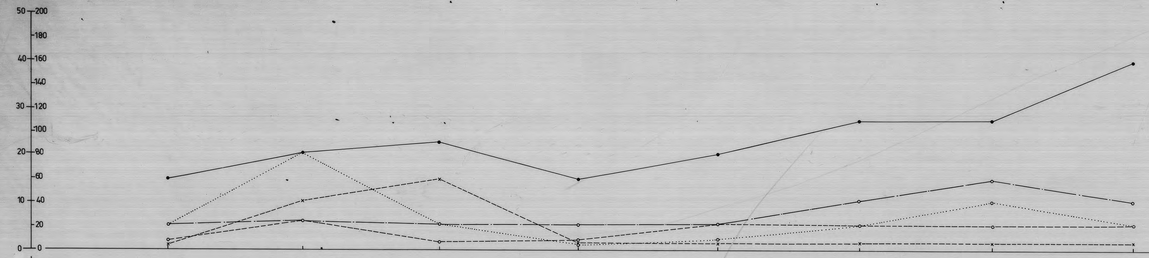
ALTERATION
Quartz and topaz and / or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White Alteration Dykes
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

LEGEND
ROCK TYPES
Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite
Major lineament
F —— F Fault
Definite
Approximate
Interred
Geological boundaries

MEEMSKIRK GRANITE AREA
GLOBE GRID
GLOBE LINE 320E
1:500

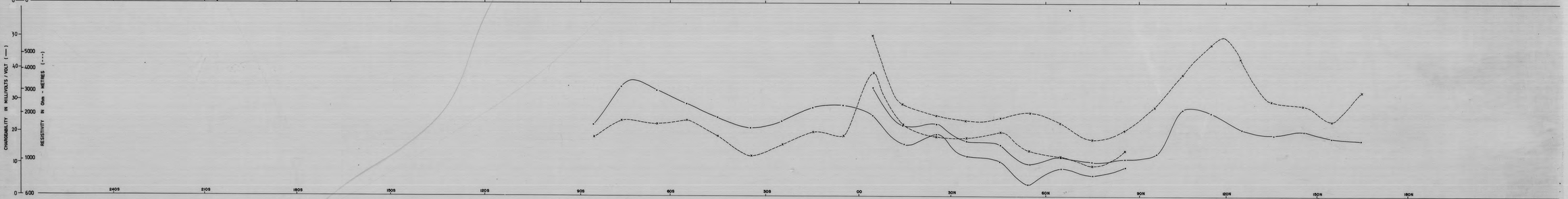
80 - 2486
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)
115

Geochemistry
P.P.M.

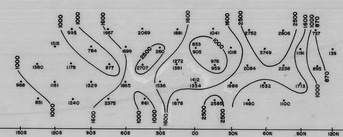


I.P. Data

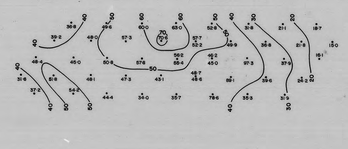
GRADIENT ARRAY
CHARGEABILITY IN MILLIVOLTS / VOLT (—)
RESISTIVITY IN Ohm - METRES (---)



POLE - DIPOLE OR DIPOLE - DIPOLE
RESISTIVITY (Ωm)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5



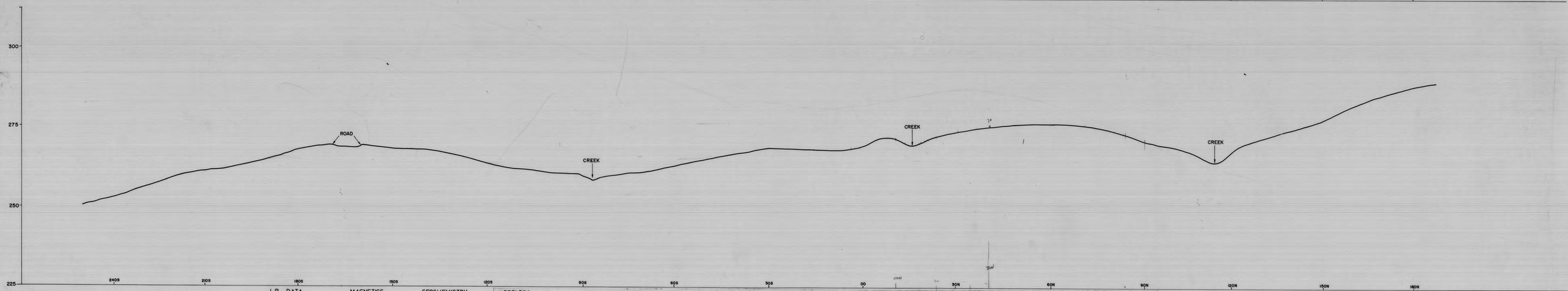
POLE - DIPOLE
CHARGEABILITY (mv/v)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5



Total Magnetic Field (γ)



Topography & Geology
HEIGHT ABOVE SEA LEVEL - (METRES)



RENISON LIMITED	
GLOBE MINE GRID S.P.L. 129	
LINE 320E.	
SECTION LOOKING W.	
SCALE 1: 500 METRES	
DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb.1982
SCALE	1: 500
DRAWING No.	PLAN 15 J

I.P. DATA
CHARGEABILITY & RESISTIVITY
——— Gradient Array
S Anomaly Letter number
5 cm

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As

GEOLOGY

ALTERATION
Quartz and topaz and / or tourmaline
Total tourmalinization, occasionally with hematite
White Alteration "Dykes"
Hydrothermal
Breccias
Collapse
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

LEGEND
ROCK TYPES
Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite

Major lineament
F —— F Fault
Definite
Approximate
Inferred
Geological boundaries

HEEMSKIRK GRANITE AREA
GLOBE GRID
LINE 240E
1:500

85 - 2406
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/78 & S.P.L. 129)
116

Geochemistry
PPM

I.P. Data
GRADIENT ARRAY
CHARGEABILITY IN MILLIVOLTS / VOLT (—)
RESISTIVITY IN Ohm - METRES (---)

DIPOLE - DIPOLE
RESISTIVITY (Am)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

POLE - DIPOLE OR DIPOLE - DIPOLE
CHARGEABILITY (mv/v)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Total Magnetic Field (γ)

Topography & Geology
HEIGHT ABOVE SEA LEVEL - (METRES)

ROAD
CREEK
CREEK

3300S 3000S 2700S 2400S 2100S 1800S 1500S 1200S 900S 600S 300S 00 30N 60N 90N 120N

RENISON LIMITED	DRAWN G.P.S.
GLOBE MINE GRID S.P.L. 129	TRACED T.G.D.S.
LINE 240E.	DATE Feb. 1982
SECTION LOOKING W	SCALE 1:500
SCALE 1:500 METRES 10 0 10 20 30	DRAWING No. PLAN 15 H

I.P. DATA
CHARGEABILITY & RESISTIVITY
Gradient Array
S Anomaly letter number
5 cm

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As

GEOLOGY

ALTERATION
Quartz and topaz and / or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White Alteration "Dykes"
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

LEGEND
ROCK TYPES
Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite

Major lineament
F — F Fault
Definite
Approximate
Inferred
Geological boundaries

Heemskirk Granite Area

Globe Grid Line 200E

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)

117

Geochemistry p.p.m.

As (10ppm

- 250 (ba)
400 (ba)
1850 (ba)
1850 (ba)

I.P. Data

GRADIENT ARRAY

CHARGEABILITY IN MILLIVOLTS / VOLT (—)

RESISTIVITY IN Ohm - METRES (---)

3300S 3000S 2700S 2400S 2100S 1800S 1500S 1200S 900S 600S 300S 00 300N 600N 900N 1200N 1500N

POLE - DIPOLE OR DIPOLE - DIPOLE

CHARGEABILITY (mv/v)

RESISTIVITY (Ωm)

— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Total Magnetic Field (γ)

Topography & Geology

HEIGHT ABOVE SEA LEVEL - (METRES)

Road
ROAD
CREEK
CREEK

RENISON LIMITED

GLOBE MINE GRID S.P.L. 129

LINE 200E.

SECTION LOOKING W.

SCALE 1:500 METRES 10 0 10 20 30

DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb. 1982
SCALE	1:500
DRAWING No.	PLAN 15 G

I.P. DATA

CHARGEABILITY & RESISTIVITY

Gradient Array

S Anomaly Letter number

5 cm

MAGNETICS

GEOCHEMISTRY

Sn
Cu
Pb
Zn
As (10ppm

GEOLOGY

ALTERATION

Quartz and topaz and/or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White Alteration Dykes

Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

LEGEND

ROCK TYPES

Aplite or microgranite
Fine grained
Medium grained
White granite

Porphyritic granite
Medium grained
Coarse grained
Red granite

Major lineament
F —— F Fault
Definite
Approximate
Inferred
Geological boundaries

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E. L. 11/76 & S. P. L. 129)

118

HEEMSKIRK GRANITE AREA
GLOBE Globe Grid
LINE 160E (NTH)
1:500

Geochemistry
P.P.M.

As <10ppm.

I.P. Data
GRADIENT ARRAY
CHARGEABILITY IN MILLIVOLTS / VOLT (—)
RESISTIVITY IN Ohm - METRES (---)

DIPOLE - DIPOLE RESISTIVITY (Ωm)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

POLE - DIPOLE OR DIPOLE - DIPOLE CHARGEABILITY (mV/V)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Total Magnetic Field (γ)

Topography & Geology
HEIGHT ABOVE SEA LEVEL - (METRES)

ROAD
ROAD
CREEK
CREEK

90S 60S 30S 0 30N 60N 90N 120N 150N 180N 210N 240N 270N 300N

RENISON LIMITED	
GLOBE MINE GRID S.P.L. 129	
LINE 160E. (NTH.)	
SECTION LOOKING W.	
SCALE 1:500 METRES 0 10 20 30	
DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb. 1982
SCALE	1:500
DRAWING No.	PLAN 15E

I.P. DATA
CHARGEABILITY & RESISTIVITY
——— Gradient Array
S Anomaly Letter number
5 cm

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As (10ppm

GEOLOGY

LEGEND

ALTERATION
Quartz and topaz and / or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White alteration 'Dykes'
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

ROCK TYPES
Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite
Major lineament
F —— F Fault
Definite
Approximate
? Inferred
Geological boundaries

85 - 2466
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/76 & S.P.L. 129)
119

HEEMSKIRK GRANITE AREA
GLOBE Globe Grid
LINE 160E (STH)
1:500

Geochemistry
P.P.M.

As <10ppm

340 (Sth) 330 (Sth) 310 (Sth) 290 (Sth) (MAG) 330 (Sth) 450 (Sth)

I.P. Data
GRADIENT ARRAY
CHARGEABILITY IN MILLIVOLTS / VOLT (——)
RESISTIVITY IN Ohm - METRES (- - -)

4500 4200 3900 3600 3300 3000 2700 2400 2100 1800 1500 1200 900 600 300 00

POLE - DIPOLE OR DIPOLE - DIPOLE
CHARGEABILITY (mv/v)
RESISTIVITY (Ωm)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Total Magnetic Field (X)
62 600
62 500
62 400
62 300
62 200
62 100

Topography & Geology
HEIGHT ABOVE SEA LEVEL - (METRES)
325
300
275
250

ROAD ROAD CREEK

4500 4200 3900 3600 3300 3000 2700 2400 2100 1800 1500 1200 900 600 300 00

RENISON LIMITED	
GLOBE MINE GRID S.P.L. 129	
LINE 160E. (STH.)	
SECTION LOOKING W.	
SCALE 1:500 METRES (10 0 10 20 30)	

DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb. 1982
SCALE	1:500
DRAWING No.	PLAN 15F

I.P. DATA
CHARGEABILITY & RESISTIVITY
——— Gradient Array
S Anomaly letter number

5 cm

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As <10ppm

GEOLOGY

LEGEND

ALTERATION
- Quartz and topaz and / or Tourmaline
- Total tourmalinization, occasionally with hematite
- Hydrothermal
- Collapse
- Breccias
- White Alteration Dykes
- Argillic alteration
- "Green" alteration (sericitized granite) generally with hematite or pyrite
- Quartz - mica greisen
- Area of tourmaline nodules

ROCK TYPES
- Aplite or microgranite
- Fine grained
- Medium grained
- White granite
- Porphyritic granite
- Medium grained
- Coarse grained
- Red granite

- Major lineament
- F —— F Fault
- Definite
- Approximate
- Inferred
- Geological boundaries

Heemskirk Granite Area
Globe Grid
Line 120E

85 - 2426
Heemskirk Granite Area
(Globe Mine)
(E.L. 11/79 & S.P.L. 129)

120

Geochemistry
P.P.M.

290 (Sn)
710 (Sn) 105 (Pb)
870 (Sn) 255 (Pb)
490 (Sn)
250 (Sn)
290 (Sn)
1290 (Sn)
350 (Sn) 270 (Pb)

I.P. Data
GRADIENT ARRAY
CHARGEABILITY IN MILLIVOLTS / VOLT (—)
RESISTIVITY IN Ohm - METRES (---)

DIPOLE - DIPOLE RESISTIVITY (Ωm)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

POLE - DIPOLE OR DIPOLE - DIPOLE CHARGEABILITY (mV/V)
— n = 1
— n = 2
— n = 3
— n = 4
— n = 5

Total Magnetic Field (γ)

Topography & Geology
HEIGHT ABOVE SEA LEVEL - (METRES)
ROAD
ROAD
CREEK
CREEK

RENISON LIMITED	
GLOBE MINE GRID S.P.L. 129	
LINE 120E.	
SECTION LOOKING W.	
SCALE. 1: 500 METRES	
DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb. 1982.
SCALE	1: 500
DRAWING No.	PLAN 15D

I.P. DATA
CHARGEABILITY & RESISTIVITY
Gradient Array
S Anomaly letter number
5 cm

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

GEOLOGY

ALTERATION
Quartz and topaz and / or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White Alteration 'Dykes'
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

LEGEND
ROCK TYPES
Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite
Major lineament
F — F Fault
Definite
Approximate
Inferred
Geological boundaries

85 - 2426
Heemskirk Granite Area
(Globe Mine?)
(E.L. 11/76 & S.P.L. 129)
121

Heemskirk Granite Area
Globe Grid
Line 80E
1:500

Geochemistry
P.P.M.
As (10ppm.

I.P. Data
GRADIENT ARRAY
CHARGEABILITY IN MILLIVOLTS / VOLT (—)
RESISTIVITY IN Ohm - METRES (---)
POLE - DIPOLE OR DIPOLE - DIPOLE
RESISTIVITY (Ωm)
n = 1
n = 2
n = 3
n = 4
n = 5
POLE - DIPOLE
CHARGEABILITY (mv/v)

Total Magnetic Field (γ)

Topography & Geology
HEIGHT ABOVE SEA LEVEL - (METRES)
ROAD
CREEK
CREEK

210S 180S 150S 120S 90S 60S 30S 00 30N 60N 90N 120N 150N 180N 210N 240N

RENISON LIMITED	
GLOBE MINE GRID S.P.L. 129	
LINE 80E.	
SECTION LOOKING W.	
SCALE 1: 500 METRES	
DRAWN	G.P.S.
TRACED	T.G.D.S.
DATE	Feb.1982
SCALE	1: 500
DRAWING No.	
PLAN 15C	

I.P. DATA
CHARGEABILITY & RESISTIVITY
S Anomaly Letter number

MAGNETICS

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As (10ppm

5 cm

GEOLOGY

LEGEND

ALTERATION
Quartz and topaz and / or tourmaline
Total tourmalinization, occasionally with hematite
Hydrothermal
Collapse
Breccias
White Alteration "Dykes"
Argillic alteration
"Green" alteration (sericitized granite) generally with hematite or pyrite
Quartz - mica greisen
Area of tourmaline nodules

ROCK TYPES
Aplite or microgranite
Fine grained
Medium grained
White granite
Porphyritic granite
Medium grained
Coarse grained
Red granite
Major lineament
F — F Fault
Definite
Approximate
Inferred
Geological boundaries