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BILLITON AUSTRALIA

The Metals Division of the Shell Company of Australia Limited

EL 7/78 - ROYAL GEORGE

PROGRESS REPORT ON EXPLORATION

FOR THE PERIOD 12/7/84 to 1/7/85

OPEN FILE

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SUMMARY

Stream sampling within the EL has highlighted a number of tin anomalies to 1400 ppm Sn.

Soil sampling of the St. Pauls grid has given rise to a 900mx600m tin in soil anomaly at +50 ppm over hornfelsed and tourmaline veined Mathinna Beds. Four holes were drilled under the anomaly with the best assays coming from PDH SP 3 which gave 1550 ppm Sn (60-62 m), 1100 ppm Sn (66-68 m), 1050 ppm SN (72-74 m) and 3400 ppm Sn (94-96 m).

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1.0 PROPERTY

During May 1984, the Shell Company of Australia Limited entered into a joint venture agreement with Cornwall Coal Company NL over EL 7/78, Royal George.

The 100 sq km licence is centred on the small town of Royal George which is located approximately 15 km east of Avoca (Fig. 1) and 100 km south east of Launceston. Property and Forestry tracks give good access to the licence area.

2.0 OBJECTIVES

The licence area covers a number of granite hosted and sediment hosted tin prospects. Exploration is being carried out to assess the economic potential of the various styles of tin mineralization. However, the Royal George Mine exposes the most significant known mineralization and is the primary target type at this stage.

3.0 PREVIOUS INVESTIGATIONS

Tin mining in the area dates back to early 1800s, however, the main tin production came from the Royal George Tin Mine between 1911 and 1922. From 1958 to 1981 Cornwall Coal, BHP, the Mines Department and CRAE further explored the Royal George Deposit mainly by means of diamond drilling. At the end of the CRAE work, a geological reserve estimate for the Royal George deposit was given at 1.7×10^6 tonnes at 0.34% Sn. CRAE also looked at other prospects in the area of which Dyke Lode was considered the next most interesting prospect. Between March and July 1983, Amax Australia carried out work on Glenair Prospect and Dyke Lode as well as completing a limited stream sediment sampling programme.

4.0 REGIONAL GEOLOGY (Fig. 2)

Silurian-Devonian

The oldest rocks in the area are sandstones, silty sandstone and siltstones of the Mathinna Beds. Mines Department work suggests that they are deep water sediments of turbidity current origin. The Mathinna Beds are complexly folded with the most prominent fold axis trending NW and bedding dips to the NE and SW. Quartz veining is common and often fills steeply dipping fractures roughly parallel to the fold axes.

Upper Devonian

Phases of the Ben Lomond granite intruded the Mathinna Beds during the Upper Devonian. The main body of granite, north of the EL, is largely composed of a coarse ground equigranular biotite granite with minor tourmaline and occasional large (to 4 cm) phenocrysts of feldspar. Within the EL a number of other phases also occur including porphyritic fine grained granites with biotite less than 1% and containing quartz-tourmaline clots, and fine grained aplite dykes. Granite contacts with the Mathinna Beds are often shallow (5-25°). A number of areas of granite are also greisenised. All the above suggest that the granite phases exposed within the EL are part of the very upper levels of the pluton(s). The Mathinna Beds surrounding the granite exhibit

*actually
1.17 million tonnes*

hornfelsing, spotting and quartz tourmaline veining to at least 200 m from the contact.

Permian-Triassic

Erosion prior to the Permian unroofed much of the now exposed granite. The basal Permian conglomerates contain cobbles of both Mathinna beds and granite. Where the conglomerates have been derived from granite, they are often cassiterite bearing. The Permian sediments grade upwards quickly into sandstones and silty sandstones, many of which are fossiliferous (Brachiopods, Bryozoans, Pelecypods). Overlying the Permian sediments are sandstones, siltstones and coal measures of the Triassic. No attempt has been made to separate these two groups of rocks when mapping.

Jurassic

Overlying the Permian-Triassic sediments are extensive dolerite sheets. Although now hill forming, the dolerites apparently intruded as sills. A number of small bodies of dolerite occur in the St. Pauls river valley and must represent eroded feeder 'pipes'.

Tertiary

In the west of the E.L., Tertiary basalts have flowed in the St. Pauls River valley and some of the smaller tributary valleys. The basalts are generally vesicular.

Recent

Extensive areas of alluvium/colluvium occur down the St. Pauls river and most of its tributaries.

5.0 WORK UNDERTAKEN DURING THE REPORT PERIOD

Summary

- Regional 1:25,000 geological mapping
- Stream sediment sampling/orientation
- St. Paul's grid, geology, soil sampling, drilling
- Prospect mapping/evaluation

Discussion

5.1 Stream sediment orientation/sampling

Seven -10#, 5 kg samples were collected from streams in the E.L. thought likely to carry cassiterite (Locations on Fig.3). The samples were sent to Amdel in South Australia for sieving into four fractions (-10# to +20#, -20# to +40#, -40# to +80# and -80#) and analysis. The samples were assayed for Sn, As, Cu, Pb and Zn. The assay results are presented in Appendix 1 and a summary of the weight percentage of each fraction and percentage of sample Sn in each fraction is presented in Table 1.

It may be seen from the assays and table 1 that a considerable but variable percentage of samples, tin occurs in the coarser fractions. By taking the fine fractions only the assay is dependent as much on

the grain size distribution of cassiterite and the host sediment as on the amount of cassiterite in the drainage. As the aim of the sampling is not only to detect shed Sn but also to rank anomalies in proportion to the streams' overall Sn content, the main stream sampling program was completed using a full -10# fraction (the -10# sieving essentially removing only unbroken down rock fragments). The stream orientation assays indicate that the chemically dispersed elements Cu, Pb and Zn are enriched in the -80# fraction while As gave erratic assay results for the size fractions.

Approximately 75 stream samples were collected from within the licence and just over half of the assays have been received from the laboratory. A number of samples returned anomalous Sn values. The highest, 1400 ppm Sn, was for a stream draining poorly out cropping quartz-tourmaline veined granite approximately 1 km north of Brookstead Prospect. The anomalies will be ranked and the significant ones followed up in the second half of the year.

5.2 St. Paul's Grid

- Geology (Fig.4)

The St. Pauls Grid covers an area of hornfelsed Mathinna Beds and equigranular/porphyritic tourmaline bearing granite along strike to the NW of the Royal George deposit.

The target is a Royal George style tin deposit situated beneath thin Mathinna Bed caprocks.

- Soil and rockchip sampling

An initial grid of 25 line kilometres with lines at 200 m spacing and samples taken at 50 m intervals was completed. Infill sampling on intermediate 100 m spaced lines was completed in areas shedding tin. A total of 761 soils sieved to -10# were assayed for Sn, WO_3 , As (by XRF) Cu, Pb, Zn (by AAS) at Comlabs S.A.

Two broad Sn in soil anomalies (Fig.5) were located in the southern half of the grid. Anomaly 1 is associated with the "Blue Lode" granite window and has a maximum value of 480 ppm Sn at the granite sediment contact. Anomaly 2 is more extensive and is located over both sediments and granite. This anomaly is elongated to the NW with dimensions of 1100 m x 600 m. If anomalous samples related to granite rocks are ignored, a NW trending anomaly of 900 x 600 m remains over silicified, tourmaline bearing fractured Mathinna Bed sediments. This sediment related anomaly has a patchy distribution and is difficult to interpret. The three highest values are 2050, 350 and 340 ppm Sn.

WO_3 (Fig.6), Cu, Pb (Fig.7) Zn and As (Fig.8) assays are generally low with anomalous values partially coincident with the two tin anomalies.

Eighty-three rock chip samples were collected and assayed. Their sample locations are presented on Fig.4 and the assays presented as Appendix 2. A maximum value of 0.77% Sn was recorded from a

tourmaline/cassiterite bearing Mathinna Bed sample from within soil anomaly 2.

- Drilling

Four holes were drilled in November/December 1984 to test the granite beneath elevated Sn in soil values within the sediment related portion of anomaly 2.

The drill logs are presented as Appendix 3, their locations on Fig.4 and sections as Figs.9,10 and 11.

Hole Name	Co-ords	Orientation (Direction, inclination)	Total Depth (m)	Down hole depth to granite (m)
SP1	3300N, 3024E	045°, -60°	152	119
SP2	2900N, 3145E	046°, -60°	100	32
SP2A	2900N, 3184E	046°, -60°	102	29
SP3	2600N, 3281E	046°, -60°	106	6

Drill hole SP1 intersected weakly tin bearing (generally 40 - 500 ppm Sn), tourmaline veined meta sediments prior to entering granite at 119 m (down hole). Only one assay of greater than 0.1% Sn was returned which was 1800 ppm Sn for the interval 84 - 86 m in meta sediments. As panning suggested low tin contents for holes SP2 and SP2A, only alternate intervals were sent for assay. As expected, the assays gave generally low values of less than 50 ppm Sn with the highest, 131 ppm Sn for the interval 86 - 88 m in SP2.

Drill hole SP3 intersected granite at 6 m and gave best analyses of 1550 ppm Sn (60 - 62 m) 1100 ppm Sn (66 - 68 m), 1030 ppm Sn (72 - 74 m), and 3400 ppm Sn (94 - 96 m). These intercepts all lie within a 48 m (down hole) zone of more intensely altered granite containing quartz sericite-muscovite ± pyrite ± cassiterite. The 48 m interval averages 690 ppm Sn and may reflect the presence of a Royal George type lode system.

The upper portions of the granite intersected in all holes showed varying argillic/sericitic alteration or greisenisation which is observed for the granite adjacent to the Mathinna Beds contact just south and east of the area drilled.

5.3 Prospect Mapping/Evaluation

- Brookstead Lodes (Fig.12)

The Brookstead lodes are hosted by a little altered medium - coarse grained biotite granite. The lodes tend to be 10 - 30 cm wide and are oriented 285° - 290° magnetic. The mineralogy of the lodes is quartz, sericite, tourmaline, fluorite, ± pyrite ± chalcopyrite ± cassiterite. They are surrounded by up to 0.5 m of sericitically altered granite but individual lodes tend to be separated by greater than 15 m of little altered granite.

Brookstead Prospect is not considered to have good exploration potential.

- Baileys Lodes (Fig.13 western lodes)

Baileys lodes occur within porphyritic inequigranular granite with biotite 1% and containing quartz tourmaline clots. Fine grained granite dykes also cut the area of workings. To the west and down slope of the workings a porphyritic inequigranular (but generally coarser than the host) biotite (5%) granite crops out. The main group of workings make up the 'western lode' and occur on a low ridge. The trend of the group is 295° magnetic however individual workings expose vertical lodes which vary in orientation from 270°-325° magnetic. Alteration associated with the mineralisation is zoned as follows :

granite/quartz-sericite/quartz-tourmaline/quartz veins
± sulphides ± sulphides

decreasing alteration of
the granite

open space filling ?

Generally the lodes are only 10 - 30 cm wide and are surrounded by several metres of little altered granite. They are probably joint or shear controlled. The workings also suggest that individual lodes are discontinuous along strike. The lodes are therefore not considered to be an exploration target. (Soil values indicate that the area is only shedding minor tin, certainly below what would be expected of economic mineralisation).

Royal George Mine (Fig.14)

A detailed compilation of the Royal George Mine/deposit was completed and compiled (Report No. 08.2491). Cassiterite occurs in steeply dipping NW trending greisenized granitic lodes hosted by highly differentiated equigranular, porphyritic and fine grained variants of the Ben Lomond Granite. A total of 18 core drillholes have intersected the deposit at depth. Underground development includes an inclined shaft and 4 levels (flooded to top of No. 2 level). The tested zone of the deposit has a depth of 200 m below surface and a strike of 400 m. The deposit is open to the NW and SE but grades decrease and the deposit narrows in both directions. Ore reserves calculated using a polygonal method on drillhole and underground assay data by CRAE, indicated 590,560 tonnes @ 0.41% Sn using a 0.25% Sn cutoff. Due to inadequacies of the drilling (small core diameter - EX and A size - and the loss of core in the fiable mineralized lodes) a reserve with a 20% increase on individual assay grade was calculated giving 1,168,760 tonnes at 0.34% Sn with a 0.2% cut off. At a maximum of 6000 tonnes of contained tin the Royal George mine is subeconomic.

The possibility of further tonnage and grade at Royal George is small. The metre width x % Sn contours indicate that the deposit has been effectively tested. No further drilling is warranted at this stage. Further mineralization may occur along strike to the NW and SE.

TABLE 1

PERCENTAGE OF SAMPLE Sn IN FRACTIONS
STREAM ORIENTATION SURVEY

SAMPLE NO.	SIZE FRACTION	-10# to +20#	-20# to +40#	-40# to +80#	-80#
6901 (1220 ppm Sn)	Wt% of sieved fraction	39%	32%	16%	13%
	% of sample Sn	11%	18%	14%	57%
	Sn Assay	325 ppm	690 ppm	1120 ppm	5400 ppm
6902 (42 ppm Sn)	Wt% of sieved fraction	46%	42%	9%	3%
	% of sample Sn	21%	52%	8%	19%
	Sn Assay	20 ppm	52 ppm	36 ppm	290 ppm
6903 (66 ppm Sn)	Wt% of sieved fraction	19%	32%	25%	24%
	% of sample Sn	14%	18%	44%	24%
	Sn Assay	48 ppm	38 ppm	115 ppm	68 ppm
6904 (570 ppm Sn)	Wt% of sieved fraction	51%	37%	10%	2%
	% of sample Sn	10%	21%	38%	31%
	Sn Assay	110 ppm	325 ppm	2280 ppm	7000 ppm
6905 (68 ppm Sn)	Wt% of sieved fraction	47%	31%	11%	11%
	% of sample Sn	33%	32%	6%	29%
	Sn Assay	48 ppm	70 ppm	38 ppm	185 ppm
6906 (28 ppm Sn)	Wt% of sieved fraction	37%	55%	6%	2%
	% of sample Sn	39%	43%	7%	11%
	Sn Assay	30 ppm	22 ppm	36 ppm	140 ppm

011

SAMPLE NO.	SIZE FRACTION	-10# to +20#	-20# to +40#	-40# to +80#	-80#
6907	Wt% of sieved fraction	34%	32%	22%	12%
(251 ppm Sn)	% of sample Sn	1%	4%	12%	83%
	Sn Assay	10 ppm	34 ppm	130 ppm	1660 ppm

(1220 ppm Sn) 'Combined' sample assay for Sn.

012

159013

A P P E N D I X 1

Stream Sediment Orientation
fraction analyses

013



The Australian
Mineral Development
Laboratories

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SA 5063
In reply quote:

159014

3/114/0 - AC 3150/85

12 February 1985

amdel

NATA CERTIFICATE

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REPORT AC 3150/85

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cc Mr. D. Carter

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mo



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014

See also 86-2549

Analysis code A1/1

Report AC 3150/85

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NATA Certificate

Order No. 08301

Results in ppm

	Sample	Cu	Pb	Zn
7991	6901 +20#	60	16	34
	6901 +40#	120	28	64
	6901 +80#	130	36	66
	6901 -80#	160	44	84
7992	6902 +20#	<2	<5	10
	6902 +40#	<2	<5	7
	6902 +80#	<2	<5	8
	6902 -80#	4	8	19
7993	6903 +20#	7	22	33
	6903 +40#	6	22	34
	6903 +80#	6	18	26
	6903 -80#	8	30	37
7994	6904 +20#	<2	<5	12
	6904 +40#	7	<5	15
	6904 +80#	19	<5	18
	6904 -80#	16	10	41
7995	6905 +20#	<2	<5	6
	6905 +40#	<2	<5	7
	6905 +80#	<2	8	11
	6905 -80#	6	14	25
7996	6906 +20#	<2	<5	11
	6906 +40#	<2	<5	11
	6906 +80#	<2	<5	12
	6906 -80#	5	8	50
7997	6907 +20#	<2	<5	14
	6907 +40#	<2	<5	13
	6907 +80#	2	<5	13
	6907 -80#	145	280	1420
	6908 +20#	4	<5	24
	6908 +40#	100	230	890
	6908 +80#	210	375	1880
	6908 -80#	320	520	3360
	6909 +20#	8300	1100	1.52%
	6909 +40#	2400	305	5050
	6909 +80#	1300	195	3900
	6909 -80#	2620	445	9050
	Detn limit	(2)	(5)	(2)

015

159016

Analysis code X1

Report AC 3150/85

Page X1

NATA Certificate

Order No. 08301

Results in ppm

Sample	As	Sn
6901 +20#	96	325
6901 +40#	150	690
6901 +80#	165	1120
6901 -80#	54	5400
6902 +20#	7	20
6902 +40#	9	52
6902 +80#	2	36
6902 -80#	<2	290
6903 +20#	11	48
6903 +40#	10	38
6903 +80#	2	115
6903 -80#	9	68
6904 +20#	11	110
6904 +40#	10	325
6904 +80#	<2	2280
6904 -80#	<2	7000
6905 +20#	<2	48
6905 +40#	<2	70
6905 +80#	<2	38
6905 -80#	<2	185
6906 +20#	5	30
6906 +40#	<2	22
6906 +80#	4	36
6906 -80#	3	140
6907 +20#	3	10
6907 +40#	6	34
6907 +80#	<2	130
6907 -80#	18	1660
6908 +20#	<2	300
6908 +40#	<2	1840
6908 +80#	<2	2020
6908 -80#	<2	1580
6909 +20#	285	1.44%
6909 +40#	120	1.34%
6909 +80#	135	5100
6909 -80#	430	6050

Detn limit	(2)	(4)
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1 March 1985

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ADDENDUM REPORT

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WEIGHTS OF FRACTIONS

6901	+ 20#	1321 g
	-20 + 40#	1069 g
	-40 + 80#	532 g
	- 80#	431 g
6902	+20#	2487 g
	+40#	2288 g
	+80#	470 g
	-80#	149 g
6903	+20#	485 g
	+40#	840 g
	+80#	646 g
	-80#	625 g
6904	+20#	2276 g
	+40#	1639 g
	+80#	427 g
	-80#	112 g
6905	+20#	1903 g
	+40#	1268 g
	+80#	439 g
	-80#	433 g
6906	+20#	1965 g
	+40#	2858 g
	+80#	327 g
	-80#	110 g

WEIGHTS OF FRACTIONS

6907	+20#	1536 g
	+40#	1440 g
	+80#	1003 g
	-80	571 g
6908	+20	2179 g
	+40	1827 g
	+80	448 g
	-80	213 g
6909	+20	2841 g
	+40	2575 g
	+80	573 g
	-80	74 g

A P P E N D I X 2

St. Paul's Grid
Rock Chip Sample Assays

159021

020



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NATA REGISTERED No. 1526

841420

OUR REF.:

YOUR REF.: 4499/LJ01/PAR/1011

Mr. P. Ruxton,
Shell Metals,
30 Mersey Main Road,
Spreyton,
Devonport,
Tasmania,

26.7.84

Dear Peter,

RE: JOB COM 841420

Enclosed are the assays for the samples delivered to our
laboratory on the 9.7.84.

Yours sincerely,
COMLABS PTY LTD

per :

St Pauls
Grid

Rock Chip
Results

+ lineament
traverses.

021



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ANALYTICAL REPORT

JOB COM841420
O/N : 4499/LJ01/PAR/1011

SAMPLE	Cu	Pb	Zn
12601	75	<4	14
12602	26	18	90
12603	9	26	18
12604	12	30	55
12605	18	30	70
12606	14	6	28
12607	7	<4	9
12608	6	<4	14
12609	8	<4	20
12610	9	<4	24
12611	5	<4	14
12612	6	4	8
12613	2	<4	12
12614	10	8	34
12615	9	<4	14
12616	7	8	34
12617	20	<4	32
12618	20	10	40
12619	4	<4	12
12620	4	<4	14
12621	3	4	16
12622	6	<4	12
12623	3	4	8
12624	4	<4	14
12625	4	4	28
UNITS	ppm	ppm	ppm
SCHEME	AASI	AASI	AASI

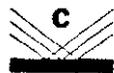


ANALYTICAL REPORT

JOB COM841420

O/N : 4499/LJ01/PAR/1011

SAMPLE	Cu	Pb	Zn
12626	3	<4	6
12627	4	<4	12
12628	3	<4	14
12629	7	<4	18
12630	4	<4	16
12631	2	4	6
12632	7	6	14
12633	5	4	20
12634	7	<4	12
12635	4	4	12
12636	8	<4	12
12637	4	8	32
12638	20	12	105
12639	6	4	20
12640	5	4	10
12641	<2	<4	26
12642	4	<4	12
12643	12	6	14
12644	7	10	20
12645	4	10	30
12646	4	6	18
12647	4	8	12
12648	6	8	44
12649	<2	<4	4
12650	3	8	28
UNITS	ppm	ppm	ppm
SCHEME	AAS1	AAS1	AAS1



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COMPUTERISED ANALYTICAL LABORATORIES

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ANALYTICAL REPORT

JOB COM841420

O/N : 4499/LJ01/PAR/1011

SAMPLE	Cu	Pb	Zn
12651	2	6	9
12652	<2	8	7
12653	2	<4	16
12654	2	4	4
12655	2	6	16
12656	3	12	280
12657	<2	12	190
12658	3	8	20
12659	2	<4	38
12660	<2	<4	12
12661	5	6	105
12662	2	6	14
12663	4	<4	12
12664	4	<4	24
12665	2	<4	12
12666	3	<4	12
12667	6	<4	10
12668	2	12	14
12669	5	4	20
12670	4	6	18
12671	7	85	34
12672	9	10	28
12673	3	400	14
12674	12	10	10
12675	8	8	10
UNITS	ppm	ppm	ppm
SCHEME	AAS1	AAS1	AAS1



ANALYTICAL REPORT

JOB COM841420

O/N : 4499/LJ01/PAR/1011

SAMPLE	Cu	Pb	Zn
12676	4	<4	12
12677	5	<4	14
12678	<2	6	16
12679	4	8	16
12680	<2	6	26
12681	3	6	26
12682	95	6	20
12683	3	6	30
UNITS	ppm	ppm	ppm
SCHEME	AAS1	AAS1	AAS1

025



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159026

ANALYTICAL REPORT

JOB COM841420

O/N : 4499/LJO1/PAR/1011

SAMPLE	Sn	W03	Mo	B1	As
12601	38	25	6	<4	50
12602	28	45	<4	<4	9
12603	160	90	6	<4	6
12604	135	35	4	8	540
12605	145	30	4	<4	22
12606	60	10	4	<4	6
12607	85	15	4	4	4
12608	16	10	<4	30	7
12609	100	30	4	<4	4
12610	12	10	<4	6	6
12611	16	25	4	6	4
12612	36	15	<4	<4	4
12613	16	50	4	10	7
12614	155	30	<4	<4	10
12615	230	30	<4	<4	12
12616	1050	15	<4	4	24
12617	1050	20	<4	<4	10
12618	5050	30	<4	<4	60
12619	100	40	6	<4	5
12620	380	20	<4	<4	10
12621	1600	15	6	8	<2
12622	100	20	<4	<4	12
12623	1300	25	4	<4	<2
12624	190	15	4	<4	4
12625	260	25	<4	<4	6
UNITS	ppm	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1	XRF1

026



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159027

ANALYTICAL REPORT

JOB COM841420

O/N : 4499/LJ01/PAR/1011

SAMPLE	Sn	WO3	Mo	Bi	As
12626	20	<10	<4	4	6
12627	24	10	4	6	6
12628	44	<10	<4	<4	3
12629	55	45	<4	4	22
12630	16	<10	<4	<4	2
12631	30	20	4	6	5
12632	350	25	<4	22	3
12633	16	10	4	<4	22
12634	<4	<10	<4	4	8
12635	4	25	6	<4	20
12636	8	10	<4	<4	8
12637	8	<10	4	<4	4
12638	4	15	<4	<4	6
12639	4	<10	6	4	<2
12640	6	<10	<4	<4	12
12641	6	10	4	<4	5
12642	24	40	4	<4	9
12643	28	25	4	<4	14
12644	26	20	<4	4	9
12645	16	20	<4	<4	8
12646	18	15	<4	8	7
12647	12	20	4	<4	7
12648	6	15	4	<4	8
12649	80	50	<4	<4	9
12650	30	30	4	<4	4
UNITS	ppm	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1	XRF1

.../7



ANALYTICAL REPORT

JOB COM841420
O/N : 4499/LJ01/PAR/1011

SAMPLE	Sn	W03	Mo	B1	As
✓ 12651	60	15	6	<4	4
✓ 12652	14	20	<4	<4	6
✓ 12653	125	30	6	4	2
✓ 12654	36	10	4	<4	3
✓ 12655	1100	35	4	<4	<2
✓ 12656	320	75	12	6	8
✓ 12657	4	30	8	<4	16
✓ 12658	18	40	12	4	10
✓ 12659	70	30	12	<4	6
✓ 12660	10	40	12	6	5
✓ 12661	115	30	8	<4	7
✓ 12662	36	30	8	10	5
✓ 12663	<4	35	18	6	6
✓ 12664	8	35	10	10	8
✓ 12665	30	30	16	<4	6
✓ 12666	250	45	10	<4	<2
✓ 12667	720	35	14	6	<2
✓ 12668	55	35	8	12	12
✓ 12669	20	20	4	<4	6
✓ 12670	230	40	10	6	4
✓ 12671	7750	65	14	<4	110
✓ 12672	530	25	6	<4	44
✓ 12673	175	25	8	6	32
✓ 12674	870	20	<4	12	12
✓ 12675	2400	35	<4	28	40
UNITS	ppm	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1	XRF1

028
c



ANALYTICAL REPORT

JOB COM841420

O/N : 4499/LJ01/PAR/1011

SAMPLE	Sn	W03	Mo	Bi	As
✓ 12676	65	35	12	<4	4
✓ 12677	400	85	8	<4	<2
✓ 12678	42	45	14	4	6
✓ 12679	18	50	14	4	7
✓ 12680	18	55	12	<4	12
✓ 12681	24	25	10	<4	7
✓ 12682	70	25	8	<4	4
✓ 12683	630	25	6	<4	<2
UNITS	ppm	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1	XRF1

029

A P P E N D I X 3

DRILL LOGS

SP1, SP2, SP2A & SP3

The Shell Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

PROJECT : ROYAL GEORGE

Hole No : PDH SP2A

COLLAR CO-ORDINATES : 2900N 3184E

LOCATION CODE : LJ01

COLLAR R.L. :

LOCATION :	DATE STARTED	23/11/84	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE	
	DATE FINISHED	26/11/84	NON CORE	6" hammer	0	3m	3m	Nº OF TRAYS	
	TOTAL DEPTH	102m		4½" ham	3m	102	99m	SAMPLE STORAGE	DEVONPORT
HOLE SURVEY DATA									
INSTRUMENT :			LOGGED BY	P.A. RUXTON	CORE			ASSAY LAB.	COMLABS S.A.
			CONTRACTOR	STACPOOLE				ASSAY REPORTS	DEVONPORT
DEPTH	INSTRUMENT		ACID ETCH		RIG	FOX B 80			
	INCL.	AZ.	INCL.	AZ.					
COLLAR	59.5°	046°							
100m	56°	067°			DRILL CREW	WAYNE BALD	CASING		MIN. & PET. LAB.
						RON RICHARDSON			MIN. & PET. REPORTS
							CASING LEFT		

GRAPHIC/LETTER SYMBOL LOGGING KEY

	HORNFELS		
	M.G. EQUIGRANULAR GRANITE		
	FINE GRAINED PORPHYRITIC GRANITE		
	TOURMALINE IN GRANITE		

STRUCTURE / ALTERATION CODE

B BEDDING	O OXIDATION
J JOINTING	
C CLEAVAGE	
F FOLIATION	
sh SHEARING	
q QUARTZ VEINS	

DRILLING SUMMARY : SP2A drilled 27.7m grid E of SP2 to test for Royal George mineralization dose to the granite sediment contact. SP2 and SP2A combined give a tested width of 60m within 50m vertical depth of the granite sediment contact.

PROJECT : ROYAL GEORGE

SCALE :

HOLE NO : PDH SP2A

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays										MAGNETIC SUSCEPTIBILITY	% Estimates	Core Angles	Alt.	T.S. P.S.	Description	
							Sn																
0	4	4																			Oxid	Soil/weathered hornfels - v. oxidized 10% qtz vein No tin in pan - drilling steel	
4	6	2																					
6	8	2																					
8	10	2																					
10	12	2																					
12	14	2																					
14	16	2																					
16	18	2																					
18	20	2																					
20	22	2																					
22	24	2																					
24	26	2																					
26	28	2																					
28	30	2																					
30	32	2																					
32	34	2																					
34	36	2																					
36	38	2																					
38	40	2																					
40	42	2																					
42	44	2																					
44	46	2																					
46	48	2																					
48	50	2																					

159032

HOLE NO :

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays										MAGNETIC SUSCEPTIBILITY	% Estimates	Core Angles		I.S. P.S.	Description
							Sn															
50	52	2				+ Tm										65						Granite - Pink feldspars (+white) Qtz + green argillic altern of felds +5%, bi + tm green/brown Tm tail (wet)
52	54	2				+ Tm										92						Granite - as above + musc + Tm/Qtz vein material 5% green/brown Tm tail in pan (wet)
54	56	2				+ +										90						Granite - as above 15% argillic alteration green/brown Tm tail
56	58	2				Tm +										96						Granite - as above bi + musc + 10% argillic alteration green/brown Tm tail min drilling steel
58	60	2				Tm +										66						Granite - as above green/brown Tm in pan
60	62	2				Tm +										10						Granite - as above - v. small sample. not panned
62	64	2				+ Tm										42						Granite - sample qtz rich due to drilling problems(?) Tm tail in pan
64	66	2				+ Tm										72						Granite - qtz rich sample - Qtz grains up to 1cm across assoc Tm 10% argillic alteration Tm in pan
66	68	2				+ +										170						Granite - Fe oxidation pale brown colouration to felds, 5% argillic alteration + Tm - Tm in pan
68	70	2				+ Tm										300						Granite - white felds - min oxidized material - bi + Tm brown Tm in pan
70	72	2				+ + Tm										13						Granite - white felds + bi - green argillic alteration Tm tail
72	74	2				+ +										350						Granite - as above Tm tail
74	76	2				+ Tm										330						Granite - as above minor oxidation Tm tail
76	78	2				+ Tm										370						Granite - as above 10% bi/Tm, 10% green/argillic alteration brown Tm in pan (Tm4bi)
78	80	2				+ Tm										15						Granite - white felds + 10% bi + Tm 5% argillic alteration green Tm in pan
80	82	2				+ +										270						Granite - partly oxidized + 15% green/argillic alteration min biot brown Tm tail
82	84	2				+ Tm										28						Granite - white felds 30% argillic alteration + bi 5% min oxidation Tm tail
84	86	2				+ Tm										380						Granite - as above Tr oxidation Tm in pan
86	88	2				+ Tm										23						Granite - as above 20% argillic alteration 10% bi, brown/green, Tm in pan
88	90	2				+ Tm										260						Granite - white felds qtz, bi (8%), 15% oxidized felds 10% argillic alteration, green/brown Tm in pan
90	92	2				+ +										9						Granite - as above, 10% argillic alteration 15% oxidation Tm tail
92	94	2				+ Tm										420						Granite - as above, 15% argillic alteration 5% oxidation 5% bi, green Tm tail in pan
94	96	2				+ +										9						Granite - as above, 15% oxidation, 10% argillic alteration Tm tail in pan
96	98	2				+ Tm										280						Granite - as above 20% oxidation, 20% argillic alteration + musc + bi, green Tm tail
98	100	2				+ P										20						Granite - fg granite - siliceous 5% oxidation 20% argillic alteration porphyritic Tm in pan

Problems with sample return
 - hole v. sticky - used foam
 to clear hole - v. small samples

HOLE DRY

150033

HOLE NO :

034

The Shell Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

PROJECT : ROYAL GEORGE

Hole No : PPH SP2

COLLAR CO-ORDINATES : 2900N 3145.0E

LOCATION CODE : LJ01

COLLAR R.L. :

LOCATION : MAP/PHOTO REFERENCE :	DATE STARTED	22/11/84	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE	
	DATE FINISHED	22/11/84	NON CORE	6" collar	0	3	3m	NO OF TRAYS	
	TOTAL DEPTH	100m		4 1/2" hammer	3m	100m	97m	SAMPLE STORAGE	DEVONPORT
HOLE SURVEY DATA			LOGGED BY	P. A. RUXTON	CORE			ASSAY LAB.	COMLABS
INSTRUMENT :			CONTRACTOR	STACPOOLE				ASSAY REPORTS	DEVONPORT
DEPTH	INSTRUMENT		ACID ETCH		REMARKS				
	INCL.	AZ.	INCL.	AZ.	RIG	FOX B80			
COLLAR	-60°	046°			DRILL CREW	WAYNE BALD	CASING		MIN. & PET. LAB.
	Hole not surveyed - no equipment available					RON RICHARDSON			MIN. & PET. REPORTS
							CASING LEFT	NONE	

GRAPHIC/LETTER SYMBOL LOGGING KEY

#		HORNFELS			
+		M.G. GRANITE			
TM		TOURMALINE PRESENT			

STRUCTURE / ALTERATION CODE
 B BEDDING O OXIDATION
 J JOINTING
 C CLEAVAGE
 F FOLIATION
 sh SHEARING
 q QUARTZ VEINS

159035

DRILLING SUMMARY : SP2 was drilled to test an NW trending zone of anomalous Sn-in-soils in the search for Royal George/
 Collingwood-style mineralization.
 0 to 32m weathered tourmaline-rich hornfels 32m to 100m altered granite. Granite dominately
 medium grained whits and ank feldspars biotite-bearing. Alteration of feldspars to green argillit. Alteration
 and removal of biotite. Patches of Fe oxide-bearing granite. Green/brown/black tourmatine present. Black
 tourmatine in narrow veins. No visible tin. No Royal George style alteration encountered.

PROJECT : ROYAL GEORGE

SCALE :

HOLE NO : PDH SP2

035

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grapic Log	Assays										MAGNETIC SUSCEPTIBILITY		% Estimates	Core Angles	Alt.	T.S. P.S.	Description
							Sn																
0	4m					Soil																Soil/scree - Hornfels + weathered hornfels No Sn in pan	
	4m	4				All																	
4m	6	2				# ?																	Weathered hornfels/alluvium - Fe Oxide sand + clay balls No Sn in pan
6	8	2				? #	6																Weathered hornfels - (fine powder) + clay balls No Sn in pan
8	10	2				? #																	Weathered hornfels - Fe Oxide with sand and clay balls 20% Qtz No Sn in pan
10	12	2				? #	7																Intensely weathered hornfels - Fe Oxide stained sst + qtz sand up to 20% qtz vein No Sn in pan
12	14	2				# #																	Weathered horfels - No Sn in pan
14	16	2				# #	9																Weathered Hornfels - Sst + Qtz vein + Fe Oxide stained - weathered No tin in pan
16	18	2				# #																	Weathered hornfels - sst + qtz sand - qtz vein No Sn in pan
18	20	2				# #	16																Weathered hornfels - Fe Oxide common 5% Qtz No Sn in pan
20	22	2				# #																	Weathered hornfels - sst + Fe Oxides + qtz vein No Sn in pan
22	24	2				# #	16																Hornfels - dom. qtz sand + 25% fg Tm/Qtz rock Tr Tm in pan
24	26	2				# #																	Hornfels - red/brown qtz/sst + Qtz vein material No Sn in pan
26	28	2				# #	21																Weathered hornfels - sst - Fe oxides common
28	30	2				# #																	Weathered hornfels - qtz rich + Fe oxides, minor qtz No Sn in pan
30	32	2				# #	10																Hornfels - grey/white + red/brown sst. - hornfels
						32m																	
32	34	2				++																	Granite - mg equig. (?) pink feldsps. bi + musc. No Sn in pan
34	36	2				++	14																Granite - mg equig (?) felds white bi + musc No Sn in pan
36	38	2				++																	Granite - mg equig pink and white felds + bi green/argillic felds alteration No Sn in pan
38	40	2				++	6																Granite - as above - bi purple colouration
40	42	2				++																	Granite - as above 20% green felds alteration interstitial Tm bi > Tm No Sn in pan
42	44	2				Tm +	34																Granite - as above min Tm Greenish Tm in pan No Sn
44	46	2				+ +																	Granite - as above Green Tm in pan No Sn
46	48	2				Tm	15																Granite - cg pink felds - 30% green argillic alteration green tm + musc in pan No Sn
48	50	2				+ Tm																	Granite - cg pink felds - 30% green argillic alteration musc + bi + tm - brown Tm in pan

150036

HOLE NO :

PROJECT : ROYAL GEORGE

SCALE :

HOLE NO : PDH SP2

036

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grav'c Log	Assays										MAGNETIC SUSCEPTIBILITY	% Estimates	Core Angles	All T.S. P.S.	Description
							Sn														
50	52	2				+ Tm													Granite - mg equig pink felds + 20% argillic alteration min musc + biot brown tm in pan No Sn		
52	54	2				Tm +												Oxid	Granite - v. oxidized (Fe oxide staining) Tm/Qtz + Tm/Qtz/felds aggregates min musc, Tm tail in pan No Sn		
54	56	2				+ Tm												Oxid	Granite - V. Oxidized, min green/argillic alteration + bi black tourm veinlets green/brown Tm tail in pan		
56	58	2				+ Tm													Granite - finer grained granite Qtz + felds pink/white - minor green/argillic alteration + bi green/brown Tm tail No Sn		
58	60	2				+ Tm													Granite - mg Qtz/white felds + Tm + bi 75% green/argillic alteration brown Tm tail		
60	62	2				+ Tm													Granite - as above 25% green/argillic alteration Min Tm/Qtz aggregates min Tm tail		
62	64	2				+ Tm													Granite - as above 35% green/argillic alteration min musc + Green Tm in pan		
64	66	2				+ Tm												Oxid	Granite - weathered - Fe oxide stain, bi, + 10% green/argillic staining brown Tm tail in pan		
66	68	2				+ Tm													Granite - mg white felds 15% argillic alteration + bi, brown Tm tail in pan		
68	70	2				+ Tm												Oxid	Granite - weathered Fe oxides 20% green/argillic alteration brown Tm tail in pan		
70	72	2				+ Tm												Oxid	Granite - weathered granite + bi + minor green/argillic alteration, brown Tm tail		
72	74	2				+ Tm												Oxid	Granite - partly weathered granite, Fe oxide 8% bi, 5% green/argillic alteration Thin green Tm tail		
74	76	2				+ Tm												Oxid	Granite - oxidized - 5% green/argillic alteration bi + green Tm tail in pan		
76	78	2				+ Tm													Granite - powdered clayey sample - 10% green alteration 8% bi, green Tm tail in pan		
78	80	2				+ Tm												Oxid	Granite + oxidized - 10% argillic alteration + bi Tm tail + min drilling steel!		
80	82	2				+ Tm												Oxid	Granite - oxidized 30% green/argillic alteration min bi strong Tm tail		
82	84	2				+ Tm													Granite - Green/argillic alteration 40% - bi strong Tm tail in pan		
84	86	2				+ Tm												Oxid	Granite - V. oxidized 70% green/argillic alteration tr black tm Tm tail		
86	88	2				+ Tm													Granite - 35% green alteration tr bi only; min Fe min black Tm brown tm tail		
88	90	2				+ Tm												Oxid	Granite - v. oxidized - 10% green/argillic alteration min vein(?) Tm brown Tm tail in pan		
90	92	2				+ Tm												Oxid	Granite - oxidized 20% green/argillic alteration Granites + Qtz aggregates, Tm tail		
92	94	2				+ Tm													Granite - 50% green/argillic alteration mg granite brown tm tail		
94	96	2				+ Tm													Granite - minor oxidation 25% green/argillic alteration Tm tail		
96	98	2				+ Tm													Granite - min oxidation 15% green/argillic alteration green Tm tail		
98	100	2				+ Tm													Granite - mg granite pink felds 20% argillic alteration fresh biotite green Tm tail		

159037

HOLE NO :

SHEET 15

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays					MAGNETIC SUSCEPTIBILITY	% Estimates		Core Angles	Alt. (T.S.P.S.)	Description
							Sn	As	Cu	Pb	Zn		Sn	Qtz			
0	6	6					280	12	22	8	22		150				Oxid Hornfels - dark grey siliceous hornfels - minor Qtz and Fe Oxide veining - Min Tm - hornfels oxidized to buff/light brown rock 50% minor black Tm in pan
							FILL										
6	8	2					260	7	36	24	20		40				Hornfels - as above minor drilling steel in pan
8	10	2					250	12	20	10	24		70	Tr			Hornfels - as above - reddish coloration common Trace Sn in pan
10	12	2					175	18	36	8	32		65				Hornfels - as above No Sn in pan
12	14	2					50	24	44	4	34		55				Hornfels - as above - greenish and reddish coloration No Sn in pan
14	16	2					95	18	38	44	30		85	5%			Hornfels - as above - 5% Qtz vein material Tr Tm in pan
16	18	2					44	16	38	<4	42		60	20%			Hornfels - as above 20% Qtz vein min fg. black Tm veinlets No Sn in pan
18	20	2					38	16	42	<4	55		70	30%			Hornfels as above 30% Qtz vein, min Tm veinlets Tr Sn in pan (?)
20	22	2					16	14	42	<4	36		90	5%			Hornfels - sandstone - greenish/brown 5% Qtz vein Tr Tm in pan
22	24	2					12	14	44	<4	48		80	5%			Hornfels - less consolidated - sandy - 5% Qtz vein No Sn in pan
24	26	2					10	20	50	4	55		85	25%			Hornfels - as above - more consolidated, 25% Qtz vein No vis Sn
26	28	2					20	24	42	4	38		75	25%			Hornfels - as above - reddish - 25% Qtz vein No vis Sn in pan
28	30	2					540	5	40	24	32		90	Min 5%			Hornfels - longish chips - grey and red/brown 5% Qtz vein min Sn in pan - brown/green colour
30	32	2					370	26	80	8	75		95	Tr Min			Hornfels - reddish partly unconsolidated min Qtz vein Tr Sn in pan and drilling steel
32	34	2					60	12	46	<4	50		85	Tr 5%			Hornfels - as above 5% Qtz vein Tr Sn in pan, (?)
34	36	2					24	16	55	<4	50		120	10%			Hornfels - as above 40% Qtz vein Min drilling steel
36	38	2					250	22	48	<4	40		150	10%			Hornfels - as above - 30% dark Tm rich hornfels 10% Qtz vein No Sn in pan
38	40	2					34	22	50	<4	50		140	5%			Hornfels - 40% Tm rich hornfels 5% Qtz min Tm in pan
40	42	2					70	16	36	<4	38		150	Tr			Hornfels - as above, Tr Qtz vein No Sn in pan
42	44	2					200	9	26	8	32		180	Tr			Hornfels - grey sst-siliceous Tr Qtz vein, Tr Tm Tr Tm in pan
44	46	2					200	55	65	10	50		200				Hornfels - as above 10% oxidized material and white Qtz rich hornfels - Tm tail
46	48	2					46	26	70	4	60		140	5%			Hornfels - as above 5% Qtz Tm in pan
48	50	2					165	32	100	8	70		140	Tr			Hornfels - as above 5% Qtz/Tr Tm in pan

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays					MAGNETIC		% Estimates		Core Angles		T.S. P.S.	Description
							Sn	As	Cu	Pb	Zn	Min	Max	Sn	Qtz	Alt.			
50	52	2				#	55	36	60	6	55		110						Hornfels - red Fe oxide staining common Tr Qtz No Sn in pan
52	54	2				#	160	16	32	<4	55		120						Hornfels - dark grey hornfels 2% Qtz No Sn in pan
54	56	2				#	410	30	38	4	60		150						Hornfels - unconsolidated - khaki colouration Green/brown cass
56	58	2				#	320	18	28	<4	65		100						Hornfels - green/brown sst, tr Qtz No vis Tm
58	60	2				#	280	24	44	6	34		200						Hornfels - red/grey hornfels Tr Qtz vein Min Cass, dark red/brown
60	62	2				#	100	34	22	4	20		240						Hornfels - grey/brown Tr Qtz vein No vis Sn in pan (?)
62	64	2				#	430	10	26	<4	12		210						Hornfels - light grey Trace yellow Sn in pan
64	66	2				#	210	16	24	<4	9		240						Hornfels - Qtz rich/siliceous hornfels Min yellow/green Tm in pan
66	68	2				#	165	55	24	12	16		250						Hornfels - very siliceous - recrystallized Trace cassiterite in pan Min drilling steel
68	70	2				#	100	55	32	4	22		200						Hornfels - siliceous rock/sst 5% Qtz vein No vis Sn - Tr Tm in pan
70	72	2				#	220	30	46	4	28		230						Hornfels - as above Tr cass and steel in pan
72	74	2				#	250	28	28	<4	18		220						Hornfels - siliceous hornfels and minor oxidation 5% Qtz vein Tr cass in pan
74	76	2				#	135	55	30	<4	26		220						Hornfels - siliceous hornfels and 10% Qtz vein/siliceous zones Tr Tm in pan (?)
76	78	2				#	270	32	16	4	10		300						Hornfels - V. Siliceous 15% Qtz vein/silicified material Min cass - red/brown in pan
78	80	2				#	330	32	16	<4	16		270						Hornfels - V. Silicified hornfels minor Qtz vein Min cass in pan yellow/green/red
80	82	2				#	90	85	75	6	85		200						Hornfels - as above - deep red colouration Trace cass in pan?
82	84	2				#	250	48	28	<4	22		250						Hornfels - as above and red colouration min Vein Qtz Tr cass in pan
84	86	2				#	1800	2	22	6	30		200						Hornfels - light grey - intensely silicified - min Qtz vein Good Tm green in pan
86	88	2				#	180	24	65	20	55		65						Hornfels - as above - no vis Sn in pan
88	90	2				#	110	36	70	26	60		50						Hornfels - as above - Black tin veinlets 2% Qtz Trace cass in pan - one grain (?)
90	92	2				#	140	22	30	12	38		150						Hornfels - as above Trace green/yellow cass in pan
92	94	2				#	180	50	180	55	90		20						Hornfels - as above - Tm veinlets No Sn in pan - Chips V. Coarse (1cm)
94	96	2				#	160	14	14	<4	30		40						Hornfels - as above Tr (?) Sn in pan
96	98	2				#	230	30	22	<4	44		25						Hornfels - as above - V. Silicified No Sn in pan
98	100	2				#	160	28	26	8	42		45						Hornfels - as above - no Sn in pan

WATER TABLE

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample NO	Graphic Log	Assays					MAGNETIC SUSCEPTIBILITY	% Estimates					Core Angles	All. T.S. P.S.	Description		
							Sn	As	Cu	Pb	Zn		Sn	Qtz	As	Fy						
100	102	2				#	250	30	22	<4	36				35	Tr				VSil	Hornfels - V. Silicified light grey, fractured with Tm impregn. assoc. - cass in fract. Trace Sn in pan	
102	104	2				#	150	14	14	<4	28				50	-				VSil	Hornfels - V. Silicified Light grey - minor white ssts - Tm veining and sil on fractures No Sn in pan	
104	106	2				#	70	24	22	4	50				15	vTr 2%				VSil	Hornfels - V. Silicified - Tm in fractures/veins - 2% Qtz V. Tr Cass in pan	
106	108	2				#	130	26	18	4	44				40	Tr 1%				VSil	Hornfels - V. Silicified - Tm in fract 1% Qtz/ Tm vein Tr Cass in pan?	
108	110	2				#	280	18	18	6	36				35	-				VSil	Hornfels - V. silicified as above - Fe Oxide staining (60%) No vis Cass in pan	
110	112	2				#	195	18	14	<4	30				40	Tr				VSil	Hornfels - V. Sil as above - Fe Oxide and altered felds pegm. dyke Trace green/brown cass in pan	
112	114	2				#	230	20	14	<4	30				50	Tr				VSil	Hornfels - as above 10% altered cg felds dyke Trace cass in pan	
114	116	2				#	140	16	18	6	28				65	Tr				VSil	Hornfels - as above 15% feldspathic dyke material = Tm/Qtz veining - V. Tr Cass in pan	
116	118	2				#	270	18	16	<4	22				10	Min G				VSil	Hornfels/Granite - Granite white felds - Fe Oxide staining - bi and Tm/Qtz 1% brown/yellow Cass cg	
118	120	2				++	150	32	9	4	22				20	Tr	Tr					Granite - mg equigranular - white felds bi, qtz green argillic alteration, Tm veins, Tr cass, Tr aspy,
120	122	2				++	55	14	9	<4	24				30	-						Granite - mg equig - white felds qtz bi, green argillic alteration No Sn in pan Tr Tm
122	124	2				++	70	9	9	<4	28				90	-						Granite - as above, bi and white felds 5% argillic alteration, 10% contamin, min Tm tail
124	126	2				Tm +	60	10	9	6	28				20	-						Granite - as above Tr Tm in pan
126	128	2				Tm +	70	12	12	4	30				450	-						Granite - white felds, bi, 10% argillic/green felds 20% contamination Min green/brown Tm in pan
128	130	2				Tm +	150	8	10	4	26				100	-						Granite - as above 25% argillically altered felds, 20% cont Green touxm tail in pan
130	132	2				Tm +	36	10	10	<4	28				65	-						Granite - as above 15% argillic alteration, 30% contamination Green Tm, tail - interstitial
132	134	2				Tm +	36	8	12	6	28				30	-						Granite - as above, 40% argillic alteration, 20% contamination Green Tm, tail
134	136	2				Tm +	55	4	10	<4	26				45	-						Granite - as above, 20% argillic alteration 20% contamination Brown Tm tail
136	138	2				Tm +	32	7	12	6	24				30	-						Granite - as above, 20% argillic alteration 15% contamination Brown Tm tail
138	140	2				Tm +	65	7	10	4	22				20	-						Granite - as above 20% argillic alteration 40% contamination (hornfels + white sst) Brown Tm, tail
140	142	2				Tm +	210	6	12	<4	24				70	-						Granite - as above 90% contamination No Sn in pan
142	144	2				Tm +	90	9	8	8	16				30	-						Granite - as above - 15% argillic alteration 20% contamination, Brown Tm tail in pan
144	146	2				Tm +	155	12	14	6	24				35	-						Granite - as above - 10% argillic + 35% contamination Tm in pan
146	148	2				Tm +	36	10	8	6	12				25	-						Granite - as above - 20% argillic 10% contamination Brown Tm in pan
148	150	2				Tm +	60	14	10	8	20				40	-						Granite - as above - 25% argillic Brown Tm in pan

042

The Shell Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

PROJECT : ROYAL GEORGE

Hole No : PDH SP3

COLLAR CO-ORDINATES : 2600 3271
-5500N 1024E

LOCATION CODE :

COLLAR R.L. :

LOCATION : MAP/PHOTO REFERENCE :					DATE STARTED	03/12/84	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE
					DATE FINISHED	04/12/84	NON CORE	6" hammer	0	3	3m	NO OF TRAYS
					TOTAL DEPTH	106m		4 1/2" hammer	3			SAMPLE STORAGE
HOLE SURVEY DATA					LOGGED BY	P. A. RIXTON	CORE				ASSAY LAB.	COMLABS S.A.
					CONTRACTOR	STACPOOLE						ASSAY REPORTS
INSTRUMENT :					RIG	FOX B80					MIN. & PET. LAB.	
DEPTH	INSTRUMENT		ACID ETCH		REMARKS	DRILL CREW	WAYNE BALD	CASING				MIN. & PET. REPORTS
	INCL.	AZ.	INCL.	AZ.								
COLLAR	-60°	046°			EASTMAN CAMERA	RON RICHARDSON						
100m	-62°	060°										
								CASING LEFT				

GRAPHIC / LETTER SYMBOL LOGGING KEY

# #	HORNPELS		
+ +	EQUIGRANULAR GRANITE		
TM	TOURMALINE (Interstitial)		
M/S	MISCONTI AND SERIAL		
	ALTERATION		

STRUCTURE / ALTERATION CODE	
B BEDDING	O OXIDATION
J JOINTING	
C CLEAVAGE	
F FOLIATION	
sh SHEARING	
q QUARTZ VEINS	

DRILLING SUMMARY :

159043

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap's Log	Assays					MAGNETIC SUSCEPTIBILITY	% Estimates		Core Angles	Alt.	T.S. P.S.	Description
							Sn	As	Cu	Pb	Zn		Sn	Qtz				
0	4m	4				X		48	22	60	75	42	26		Tr			Soil/Hornfels - Buff soil + chips of V. Silicified sandstone hornfels - veins/fracture fills of Tm Tr Cass in pan ?
4	6	2				#		38	16	36	20	30	20		- 2%			Hornfels - white/light grey sandstone, Tm veins 2% Qtz vein, No Sn in pan, Min Tm
6	8	2				+		26	16	55	32	38	18		Tr 40%			Hornfels - white/light grey sandstone, 40% Qtz in granite? (no feldspars), Tr Sn in pan
8	10	2				+ Tm		155	10	60	26	38	32		-			Granite - mg equig - dom Qtz sample - feldspars Kaolinized/argillized, Tm + musc + chl, brown + green Tm in pan
10	12	2				Tm +		18	12	40	10	26	40					Granite - mg equig - pink felds, musc, black Tm Tm tail
12	14	2				Tm +		16	20	50	12	38	39			Oxid		Granite - mg, pink felds + Tm Oxidized - Fe oxide staining Argil, felds, Tm tail in pan
14	16	2				+ Tm		28	18	34	16	42	75		Tr	Oxid		Granite - as above - less oxidation Tm tail - Tr Sn?
16	18	2				+ Tm		70	26	28	12	26	99					Granite - mg white felds, 15% argillic alteration, min Oxidation + Tm + bi Tm tail
18	20	2				++		16	10	22	8	32	140					Granite - as above 10% argillic + Tm Green + brown Tm in pan
20	22	2				++		14	8	14	10	18	110					Granite - as above Tm tail in pan + musc
22	24	2				Tm +		55	24	32	16	34	109			Oxid		Granite - as above - 10% argillic + 10% oxid Tm tail in pan
24	26	2				Tm +		16	7	14	12	22	110			Min Oxid		Granite - as above - 10% argillic bi, musc, Tm Tm tail in pan
26	28	2				++		14	26	24	6	38	110			Oxid		Granite - as above - 20% argillic - oxidized Tm tail in pan
28	30	2				+ Tm		18	18	20	10	30	110					Granite - as above - 5% argillic alteration Tm tail in pan
30	32	2				Tm +		26	10	16	4	30	140					Granite - as above - 5% argillic alteration Green Tm in pan
32	34	2				P.P.		75	60	42	55	75	120			Oxid		Granite - fg, porph - phenocrysts of felds argillised Kaolinized, bi + Tm, oxidized red, brown Tm tail in pan
34	36	2				P.P.		14	40	34	24	42	99			Oxid		Granite - as above Tm tail in pan
36	38	2				P.P.		46	36	50	12	40	77					Granite - mg. equig bi + Tm + 10% green argillic alteration Tm green brown tail
38	40	2				++		65	60	48	10	38	91					Granite - as above, 15% argillic alteration Tm tail
40	42	2				+ Tm		80	60	65	8	55	74			Oxid		Granite - as above, 15% argillic alteration Oxidation Tm tail
42	44	2				+		100	110	65	8	50	130			Oxid		Granite - as above 30% argillic alteration + 20% red Fe oxidation - Green Tm tail
44	46	2				++		14	26	30	10	28	120			Oxid		Granite - as above 15% argillic alteration + 15% Fe Oxide Tm tail in pan
46	48	2				+		50	44	42	8	30	110			Oxid		Granite - as above - 15% green argillits + 20% Fe oxides - Tm tail in pan
48	50	2				+		30	18	40	4	22	150			Oxid		Granite - as above green Tm tail

PROJECT: ROYAL GEORGE

SCALE:

HOLE NO: PDH SP3

044

From	To	Interl (m)	Core Rec'd	% Rec'd	Sample NO	Grap's Log	Assays					MAGNETIC SUSCEPTIBILITY			% Estimates			Core Angles			All. P.S.	Description
							Sn	As	Cu	Pb	Zn	Sn	Qtz	S ²⁺	Sn	Qtz	S ²⁺	Sn	Qtz	S ²⁺		
50	52	2				Tm +	80	32	46	4	24	148									Granite - as above 15% argillic alteration, 10% Fe Oxide Tm tail	
52	54	2				+ Tm	20	40	34	4	32	98									Oxid Granite - as above - green Tm tail in pan Oxidation	
54	56	2				+ +	32	50	210	6	44	97									Granite - as above - 40% argillic alteration 10% Fe oxide staining - Green Tm in pan	
56	58	2				+ Tm	310	90	110	12	34	150									Granite - as above - 60% argillic/green alteration Green Tm in pan	
58	60	2				Tm +	560	30	75	8	34	140									Granite - as above - 60% argillic alteration + musc Green Tm tail	
60	62	2				+ Tm	1550	90	270	10	26	200									Granite - mg equig Argillic felds 45% + 10% Fe oxide Musc present Green + brown Tm in pan	
62	64	2				+ +	580	16	44	6	48	240									Granite - mg. equig. white felds + 30% green argillic alteration + Tm Tm tail in pan Cass?	
64	66	2				+ Tm	650	150	190	16	34	200									Granite - mg. equig. granite 50% green argillic alteration of min musc + biot Sulphides + Tm (Cass?) in pan	
66	68	2				+ S ²⁺	1100	165	100	10	55	112									Granite - mg. equig. 40% argillic alteration chl - green sercite alteration (lode) fragments - S ²⁺ pyrite Tm (fg Cass?)	
68	70	2				Tm +	350	36	26	6	32	78									Granite - as above, 30% green argillic alteration, musc + Tm sulphides + Tm in pan (Cass?) some cg S ²⁺	
70	72	2				M/S ²⁺	145	48	32	8	55	150									Granite - white felds 40% argillic alteration, negligible micas, greenish pyrite + Tm in pan	
72	74	2				Tm m/s	1050	95	130	8	42	80									Granite - as above, 35% green argillic alteration, 10% serc/musc alteration, cg pyrite in pan + Tm + pink min (Cass?)	
74	76	2				+ Tm	520	180	135	6	44	200									Granite - as above 40% argillic alteration, serc/musc alteration Py + aspy in pan + Tm (Cass?)	
76	78	2				m/s ²⁺	400	260	300	8	55	160									Granite - as above, oxidized + 30% argillic alteration Min Py in pan - Tr Tm (Cass?)	
78	80	2				(S ²⁺) +	470	100	95	8	50	170									Granite - dom qtz felds Kaol/argillized (10%) + Oxidation min musc/serc alteration Min Py + Tm in pan	
80	82	2				+ +	290	130	520	10	22	200									Granite - altered granite 40% Fe Oxide stained/altered 20% green/argillic alteration Min Py + Trace Tm (Cass?)	
82	84	2				m/s +	470	510	460	4	80	250									Altered Granite - 25% serc/chl alteration (lode), 20% argillic alteration Good S ²⁺ + Tm tail in pan	
84	86	2				+ Tm	320	130	125	8	80	260									Altered Granite - 10% serc/chl alteration + 40% argillic min S ²⁺ + Tm	
86	88	2				+ m/s	380	270	185	12	50	300									Altered Granite - white felds 50% argillic alteration 10% musc/serc alteration Min Py Trace Tm (Cass?)	
88	90	2				Tm	440	690	175	10	70	300									Altered Granite - as above 60% argillic alteration 10% musc/serc alteration 5% Fe Musc S ²⁺ Tr Tm (+Cass?)	
90	92	2				m/s +	320	320	230	10	80	400									Granite - White Feldspars (10% argillic alteration) + fresh bl + musc/serc Min Py (+Cass?) + Tm Tr in pan	
92	94	2				Tm	240	250	140	10	55	410									Granite - as above, Tr argillic alteration, 15% Fe Oxid musc/serc Min S ²⁺ + Tr Tm in pan	
94	96	2				+ +	3400	185	150	8	50	400									Granite - as above 15% argillic alteration, minor oxidation, 10% musc/serc Trace S ²⁺ + Tm green	
96	98	2				Tm	270	220	95	10	84	170									Granite - as above 10% argillic alteration, 10% musc/serc alteration Good fg Cass + Tr Py in pan	
98	100	2				Tm Musc	680	120	70	12	28	80									Granite - as above 10% argillic alteration 5% Oxidation 5% musc/serc alteration Tr fg Cass(?) + Tm	

HOLE NO: 159045 SHEET 5

PROJECT : ROYAL GEORGE

SCALE :

HOLE NO : PDH SP3

045

From	To	Inter't (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays					MAGNETIC SUSCEPTIBILITY	% Estimates			Core Angles		Alt.	T.S. P.S.	Description
							Sn	As	Cu	Pb	Zn		Sn	Q	S ²⁺					
100	102	2				Tm + + M/S	690	150	80	6	32	230	Tr	Tr					MISC S&C	Granite - White felds, 5% argillic alteration, 15% Fe Oxides min musc/serc alteration Tr S ²⁺ Tr Tm + Tr Cass
102	104	2				+Tm+	870	165	90	14	34	260			M. V. SLOW	GOING				Granite - v. hard 5% argillic alteration + Fe Oxides - Good Tm in pan (Tr Cass?) Minor sulphides
104	106	2				Tm ++	790	170	95	14	40	320								Granite - as above Tr S ²⁺ + Tm in pan
																				Probably solid granite - S ²⁺ contamination v. hard indeed - not particularly siliceous (ie. silicified granite)

HOLE NO : 159046

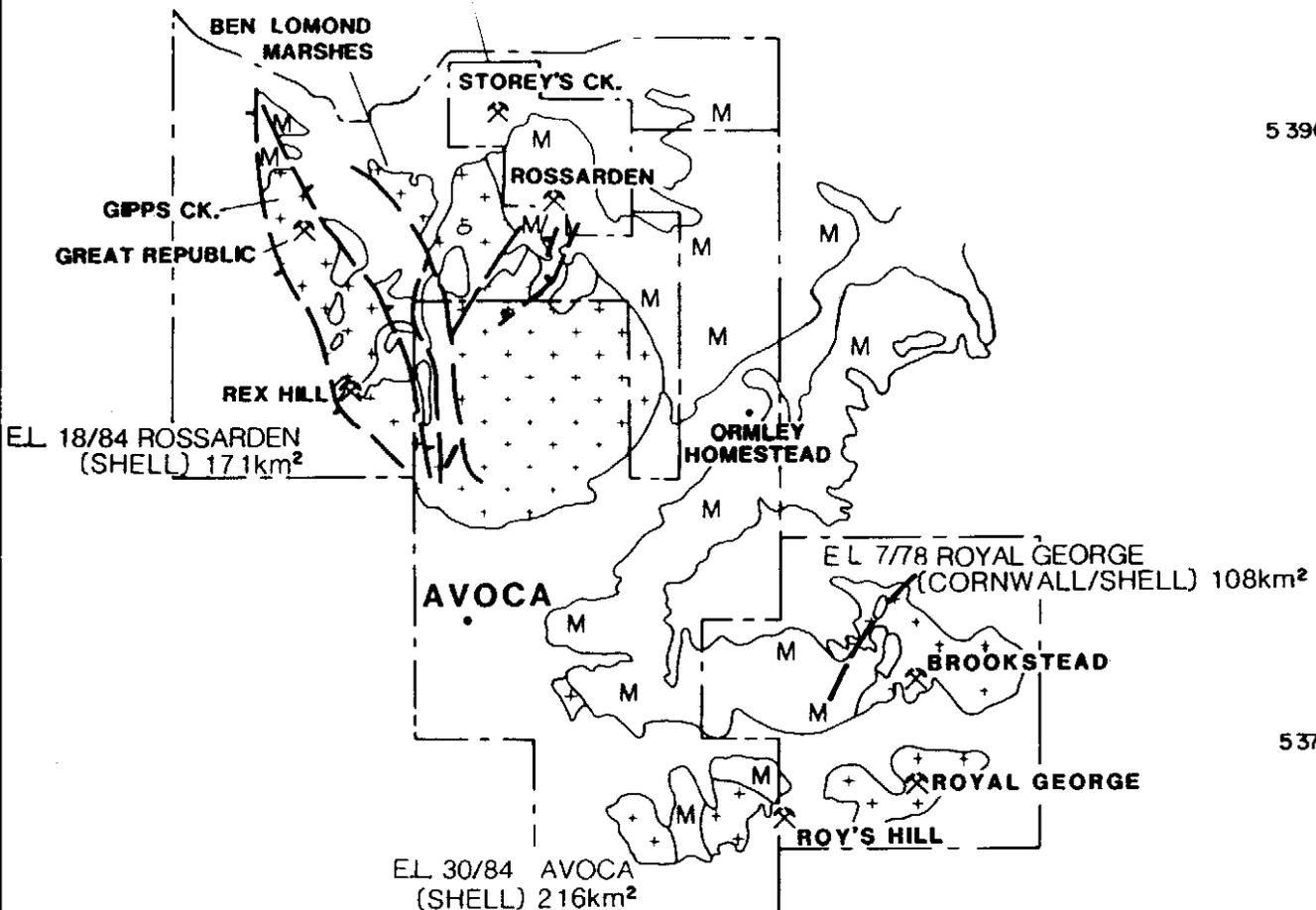
046

560 000E

580 000E

E.L. 59/83 WHEAL LUTWYCHE
(STACPOOLE) 25km²

5 390 000 N



5 370 000 N



COLLUVIUM/ALLUVIUM /PERMIAN SEDIMENTS



DEVONIAN GRANITE



MATHINNA BEDS



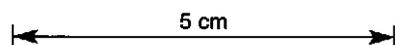
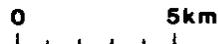
PROSPECT



FAULT



E.L. BOUNDARY



Billiton Australia

TASMANIA REGIONAL

LOCATION PLAN

D. C. 5/85 1:250 000
J. B. AHO

MT24/1085

85-2408

047

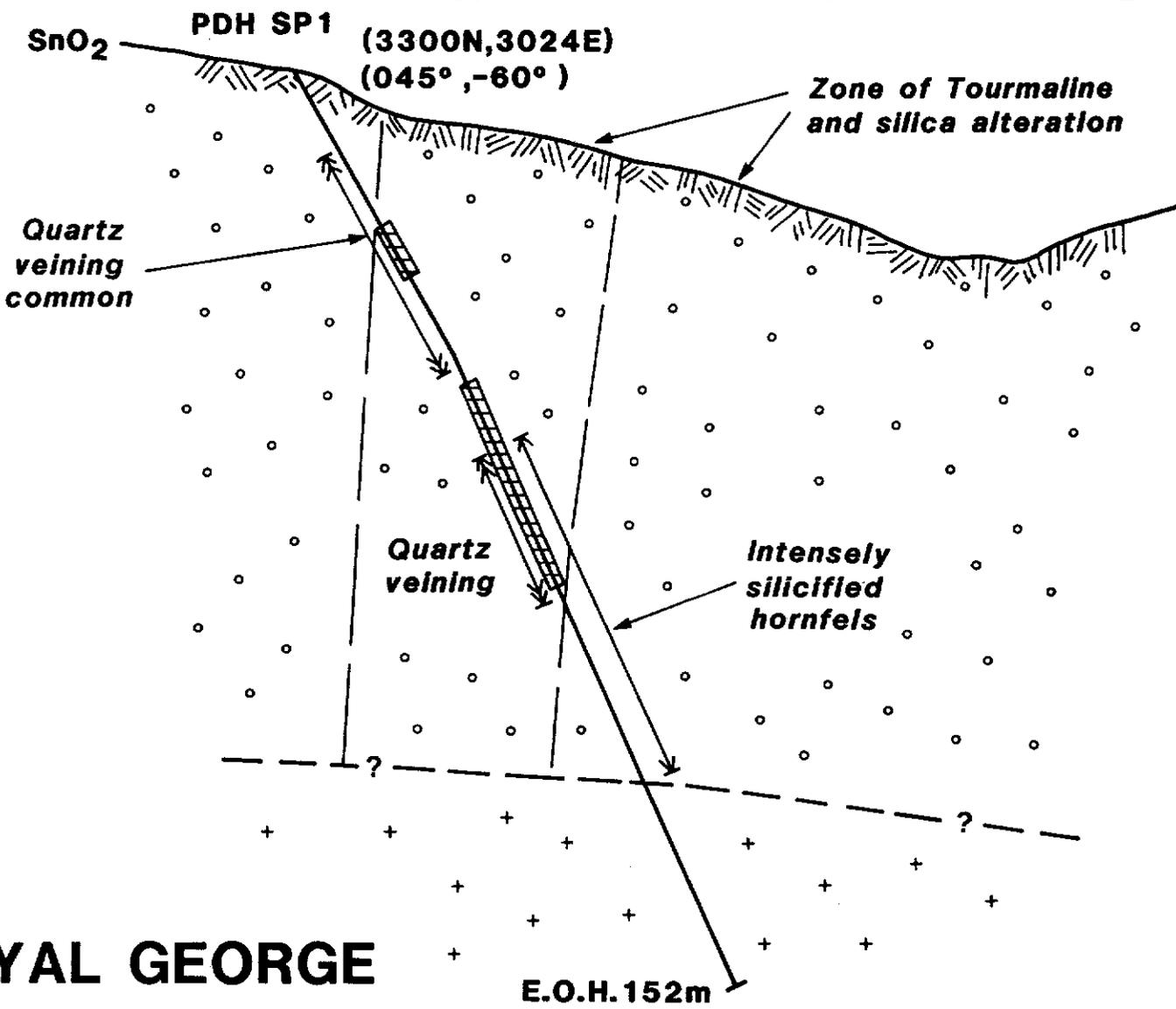
3000E
48

3050E
280

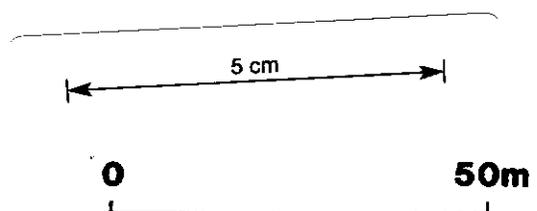
3100E
330

3150E
22

SOIL VALUES
(ppm Sn)



ROYAL GEORGE
ST PAULS GRID
LINE 3300N
PDH SP1 DRILLHOLE



-  **Mathinna beds**
-  **Granite**
-  **Visible Tin**

85-2408

159048

FIG. 9

3100E

3150E

3200E

3250E

150

300

420

145

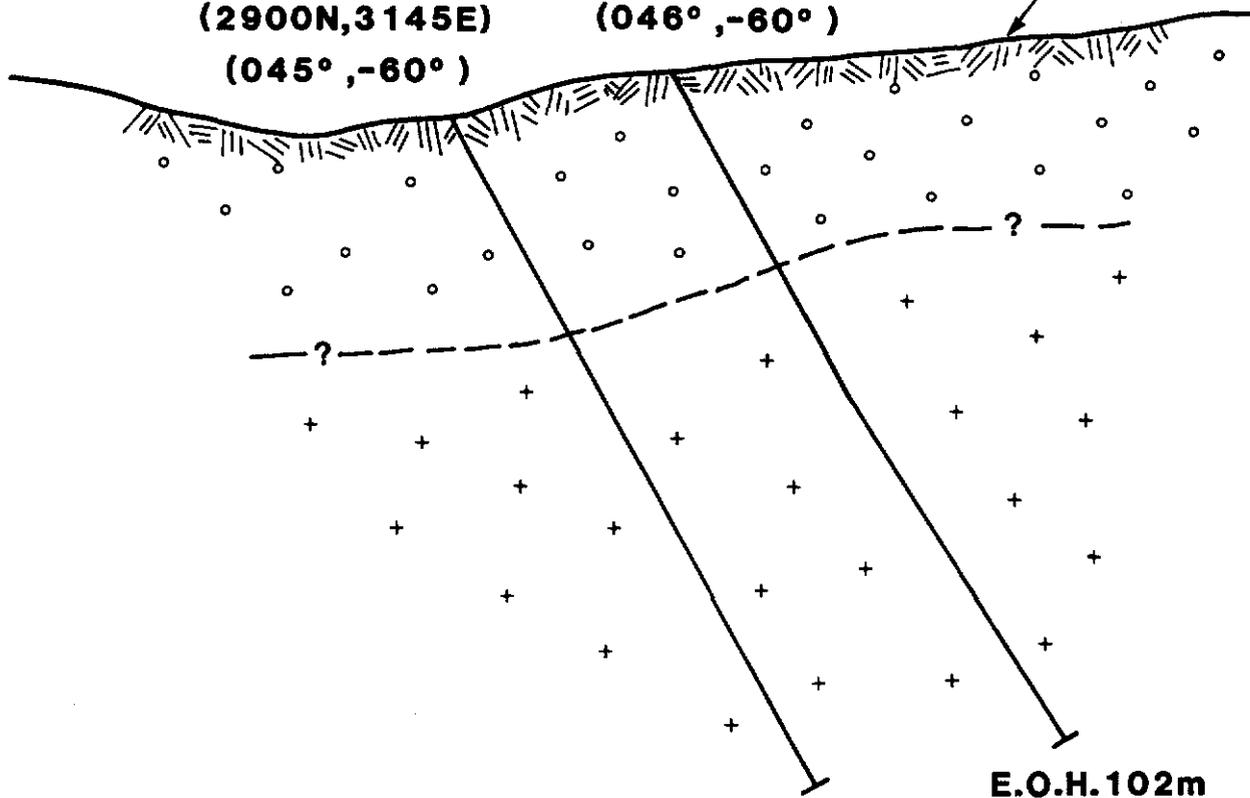
SOIL VALUES
(ppm Sn)

048

PDH SP2
(2900N,3145E)
(045°, -60°)

PD4 SP2A
(2900N,3181E)
(046°, -60°)

Zone of Tourmaline
plus Silica alteration



ROYAL GEORGE
ST PAULS GRID

LINE 2900N

PDH SP2+SP2A DRILLHOLE

E.O.H. 100m

E.O.H. 102m

5 cm

0 50m

○ ○ Mathinna beds

+ + Granite

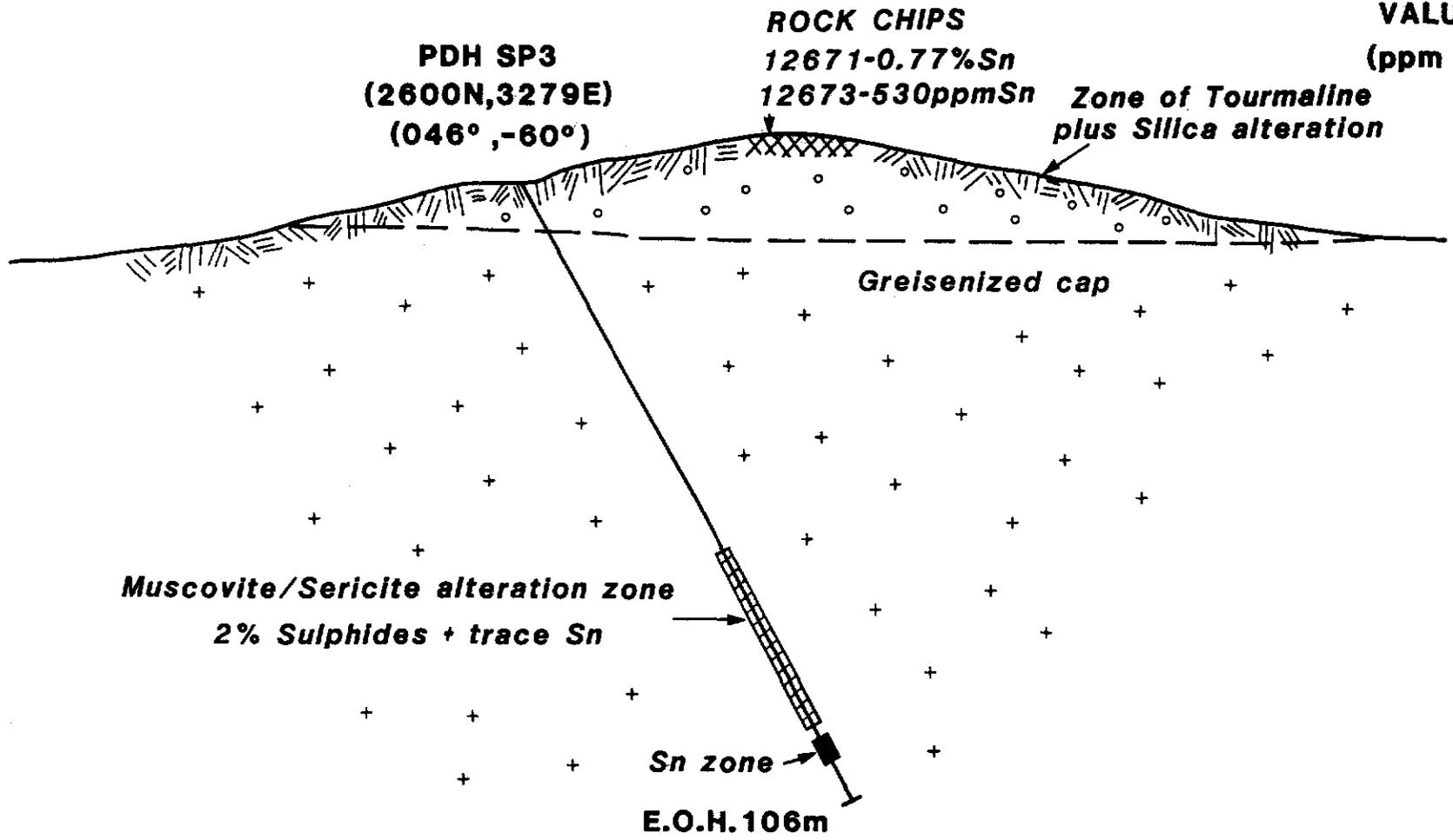
159049

FIG. 10

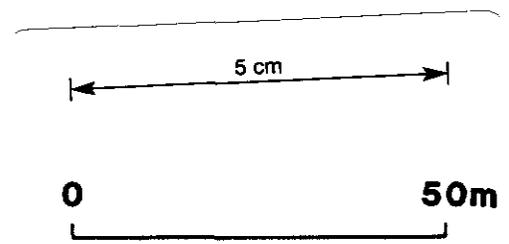
85-21408

049

3200E 620 3250E 820 3300E 360 3350E 330 3400E 195 SOIL VALUES (ppm Sn)



ROYAL GEORGE
ST PAULS GRID
LINE 2600N
DRILLHOLE SP3



	Mathinna beds
	Granite

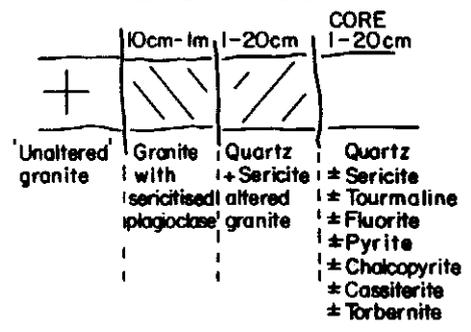
8047-58

159050

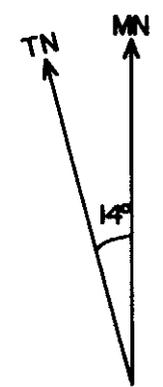
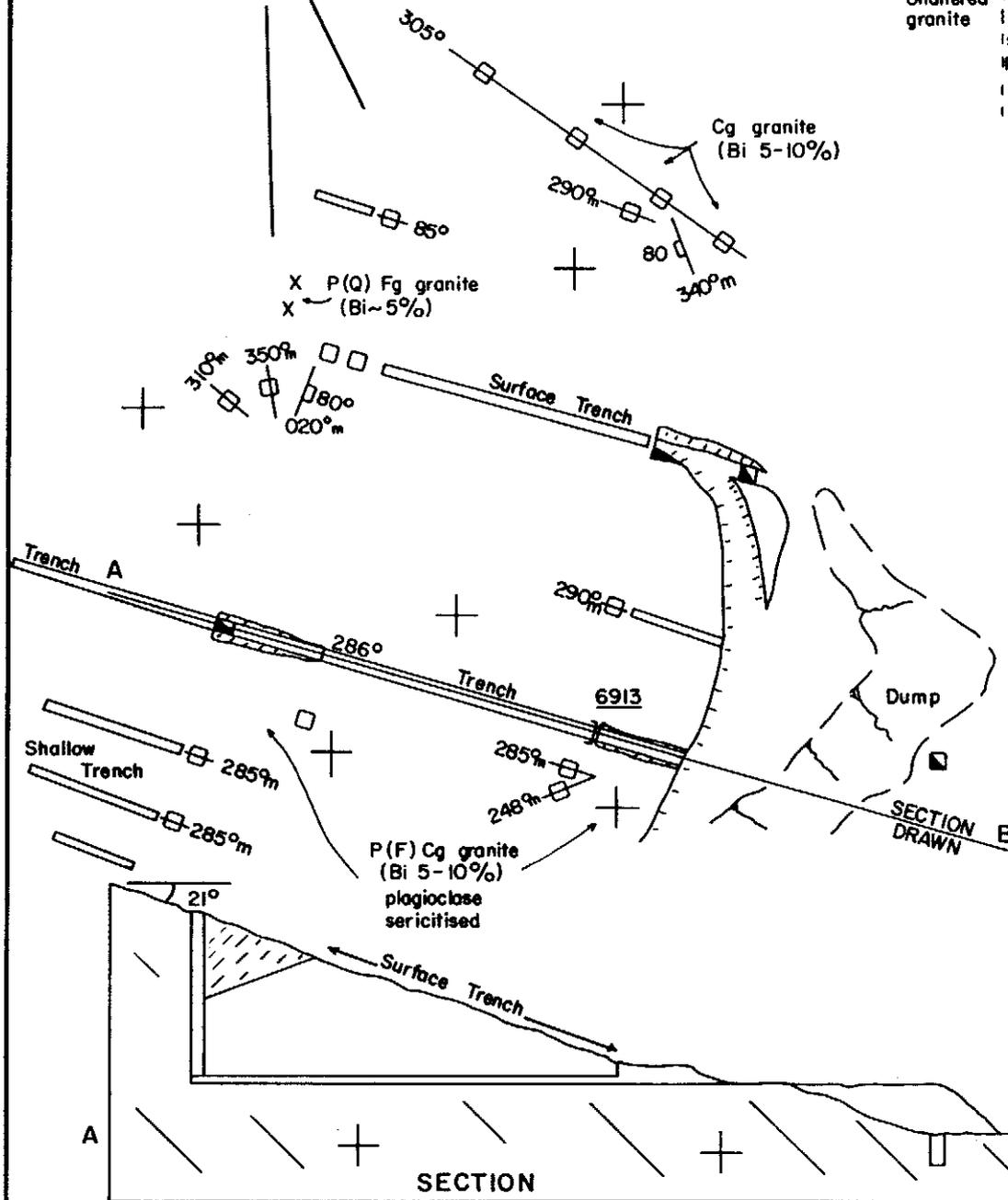
FIG. 11

BROOKSTEAD

ALTERATION

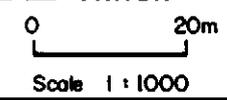


Numerous small surface workings (eluvial?)

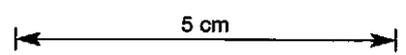


LEGEND

- 340° JOINT STRIKE & DIP
- 80° JOINT STRIKE & DIP
- SHAFT
- PIT
- TRENCH
- COARSE GRAINED GRANITE (Biotite 5-10%)
- FINE GRAINED GRANITE
- PHENOCRYSTS OF FELDSPAR & QUARTZ
- Fg, Cg FINE GRAINED, COARSE GRAINED
- TRACK



SAMPLE	Sn	As	Cu	Pb	Zn	Ag	Assays in ppm
6913	221	123	60	720	40	3.5	2m chip



Billiton Australia
The National Resource of the World

Project: **E.L. 7/78 ROYAL GEORGE**

Title: **BROOKSTEAD LODES PROSPECT MAP**

Author: A.W. Date: 5/88 Scale: 1:1000

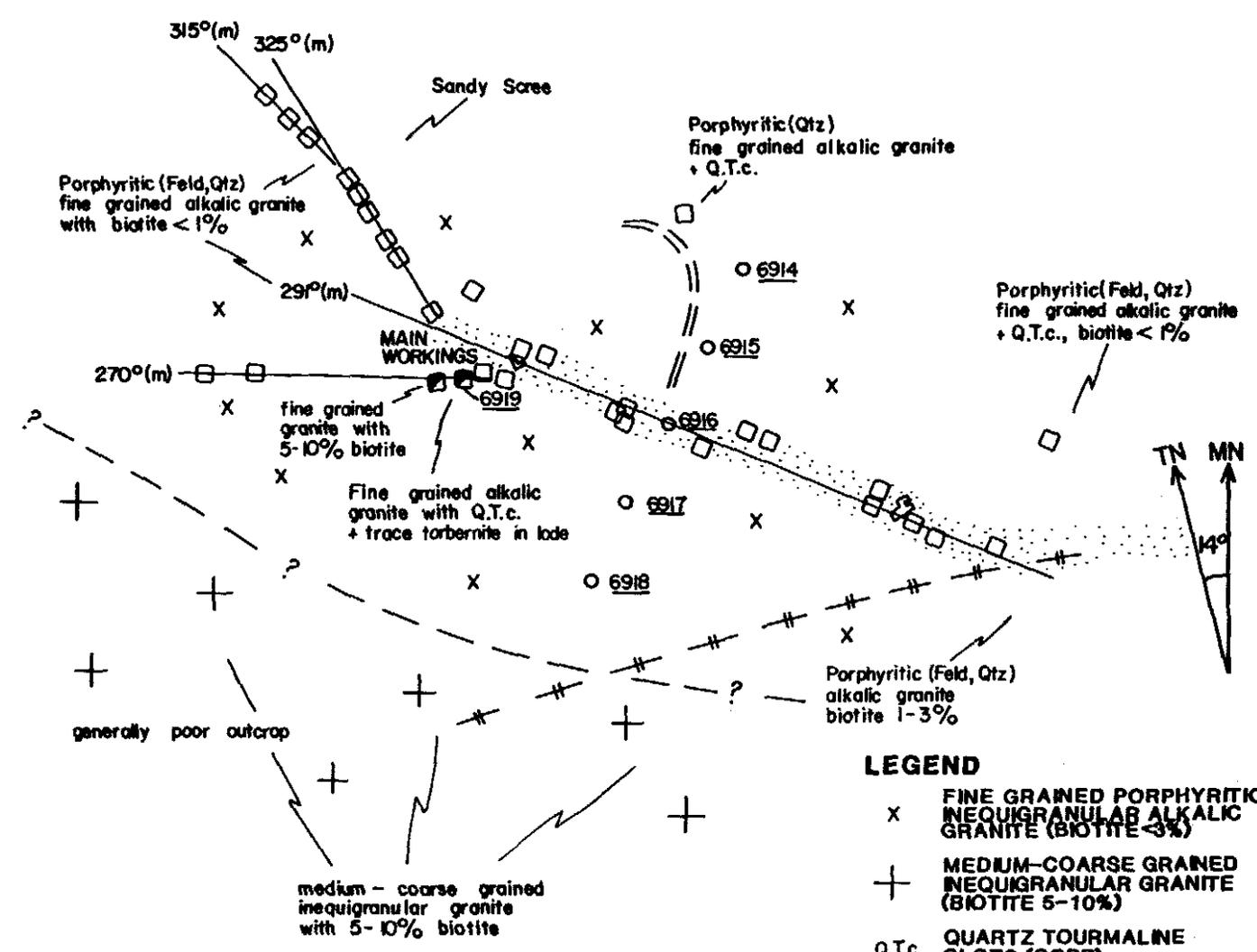
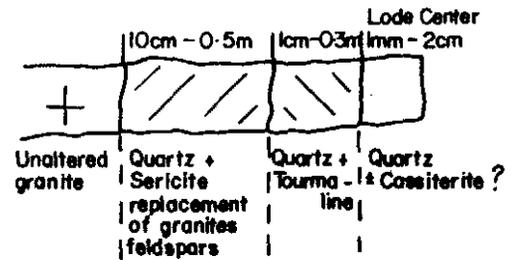
Drawn: J.B. Office: ANO Revised: Date:

Drawing No: LJO1/1005 Fig. No. 12

90 2108

051

ALTERATION



LEGEND

- X FINE GRAINED PORPHYRITIC INEQUIGRANULAR ALKALIC GRANITE (BIOTITE 3%)
- + MEDIUM-COARSE GRAINED INEQUIGRANULAR GRANITE (BIOTITE 5-10%)
- Q.T.C. QUARTZ TOURMALINE CLOTS (CORE)
- Feld. FELDSPAR
- Qtz. QUARTZ
- RIDGE
- PIT
- ▣ SHAFT
- == TRACK
- #- FENCE

0 40m
SCALE 1:2000

Soil Samples -20#	Assays in ppm, unless stated otherwise					
	Sn	As	Cu	Pb	Zn	Ag
6914	440	<2	<5	10	25	<0.5
6915	253	<2	<5	10	30	<0.5
6916	291	<2	<5	10	20	<0.5
6917	95	<2	<5	10	15	<0.5
6918	95	<2	<5	5	5	<0.5

Rock Chips	Description						
6919	4260	195	50	125	30	1.0	Dump Lode Material

Billiton Australia
The World's Leader in the Supply of Iron Ore

Project: **E.L. 7/78 ROYAL GEORGE**

BAILEYS (WEST) LODES PROSPECT MAP

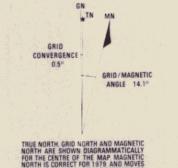
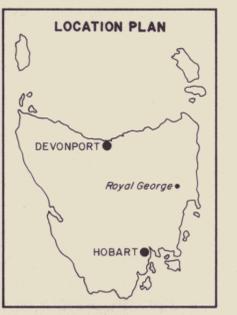
SAMPLE LOCATIONS/ASSAYS

Author: A.W. Date: 5/85 Scale: 1:2000
 Drawn: J.B. Office: AHO Revised: _____ Date: _____
 Drawing No.: LJ01/1006 Fig. No.: 13



- RECENT
 - River alluvium (St Pauls R.)
 - Alluvium / colluvium
 - TERTIARY
 - Basalt
 - JURASSIC
 - Dolerite
 - Dolerite / talus (All Recent)
 - UNDIFFERENTIATED TRIASSIC & PERMIAN
 - Sandstones, conglomerates, siltstones, shale, coal measures
 - CARBONIFEROUS - UPPER DEVONIAN
 - BENLOMOND GRANITE
 - P (F,Q) Porphyritic (Feldspar and quartz porphyroblasts)
 - Fg Mg Cg Fine grained, Medium grained, Coarse grained
 - Bi, Tour, Musc Biotite, tourmaline, muscovite accessories
 - Alk granite Alkalic granite i.e. biotite content <5% gen. 1% or less qtz. tour. clots
 - Quartz ring with tourmaline cores
 - SILURIAN - DEVONIAN
 - MATAINNA BEDS Sandstones, silty sandstones, siltstones, Hornfelsed in places by the Benlomond Granite
-
- 6911 Rock sample
 - Air photo linear
 - Fault, with relative movement
 - Jointing dip and strike (Bearings are magnetic)
 - Cleavage dip and strike (Quartz filled)
 - Bedding dip and strike
 - Geological traverse in granite - road, foot
 - Granite/sediment contact, apparent dip direction
 - Fence, gate
 - Pit workings
 - Alluvial workings
 - Coastline

159013



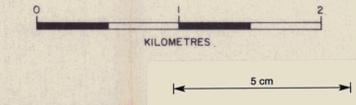
TRUE NORTH, GRID NORTH AND MAGNETIC NORTH ARE SHOWN DISAGREEMENTALLY FOR THE CENTRE OF THE MAP. MAGNETIC NORTH IS CORRECT FOR 1978 AND MOVES EASTWARD BY 0.1" IN ABOUT THREE YEARS.

The Shell Company of Australia Limited
METALS DIVISION

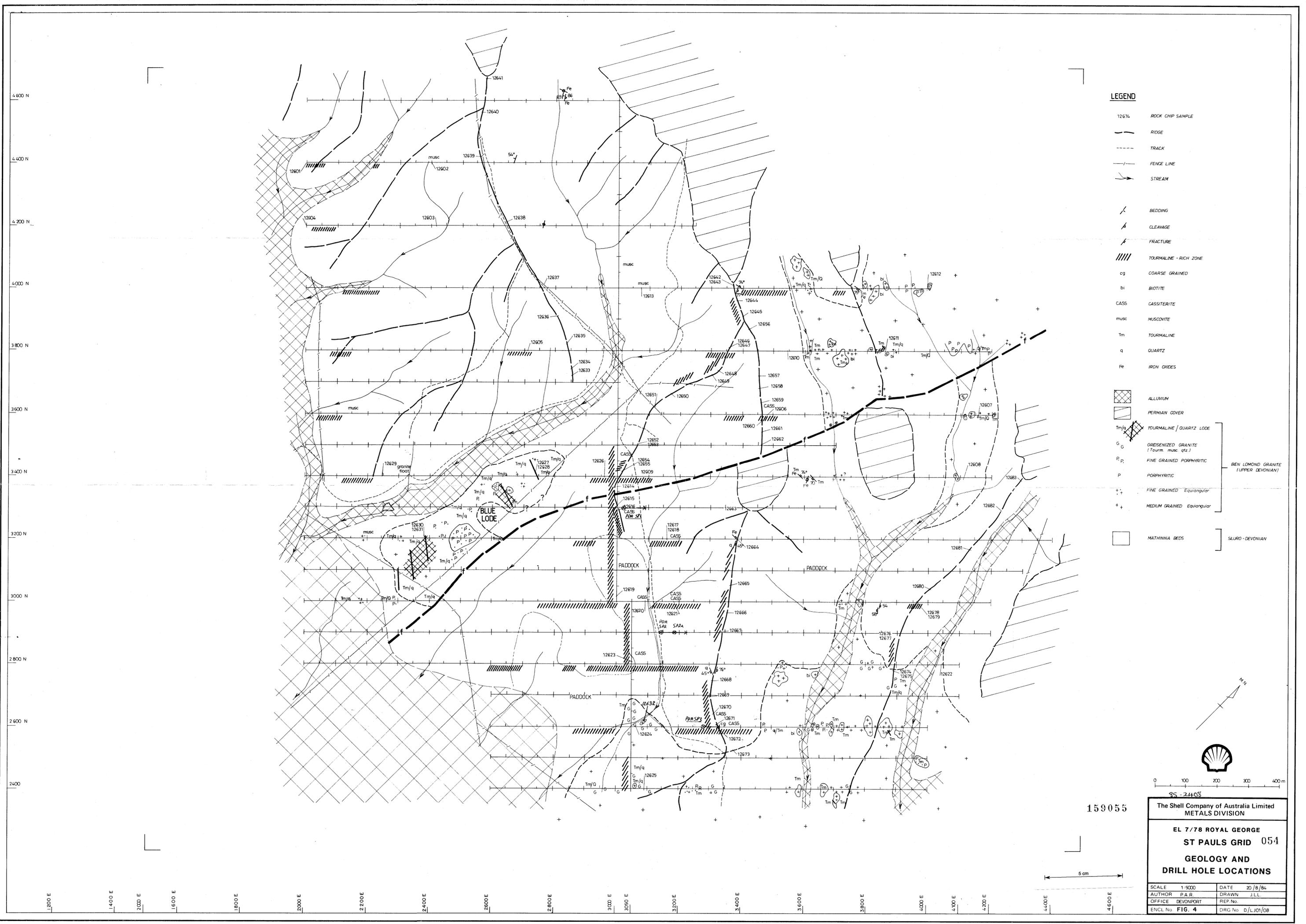
TASMANIA
ROYAL GEORGE E.L. 7/78

GEOLOGY 052

SCALE	1:25 000	DATE	March 1985
AUTHOR	A. W.	DRAWN	A.S., V.C.
OFFICE	Melbourne/AHO	REP No.	
DRG No.	LJ01/1002	FIG No.	FIG 2



E.L. 7/78



LEGEND

- 12674 ROCK CHIP SAMPLE
- RIDGE
- - - TRACK
- - - FENCE LINE
- STREAM
- BEDDING
- CLEAVAGE
- FRACTURE
- //// TOURMALINE - RICH ZONE
- cg COARSE GRAINED
- bi BIOTITE
- CASS CASSITERITE
- musc MUSCOVITE
- Tm TOURMALINE
- q QUARTZ
- Fe IRON OXIDES
- ALLUVIUM
- PERMIAN COVER
- Tm/q TOURMALINE / QUARTZ LOSE
- G GREISENIZED GRANITE (Tourm. musc. qtz.)
- P FINE GRAINED PORPHYRITIC
- P PORPHYRITIC
- ++ FINE GRAINED Equiangular
- ++ MEDIUM GRAINED Equiangular
- MATHINNA BEDS

BEN LOMOND GRANITE (UPPER DEVONIAN)

SILURO-DEVONIAN

159055

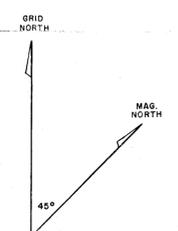
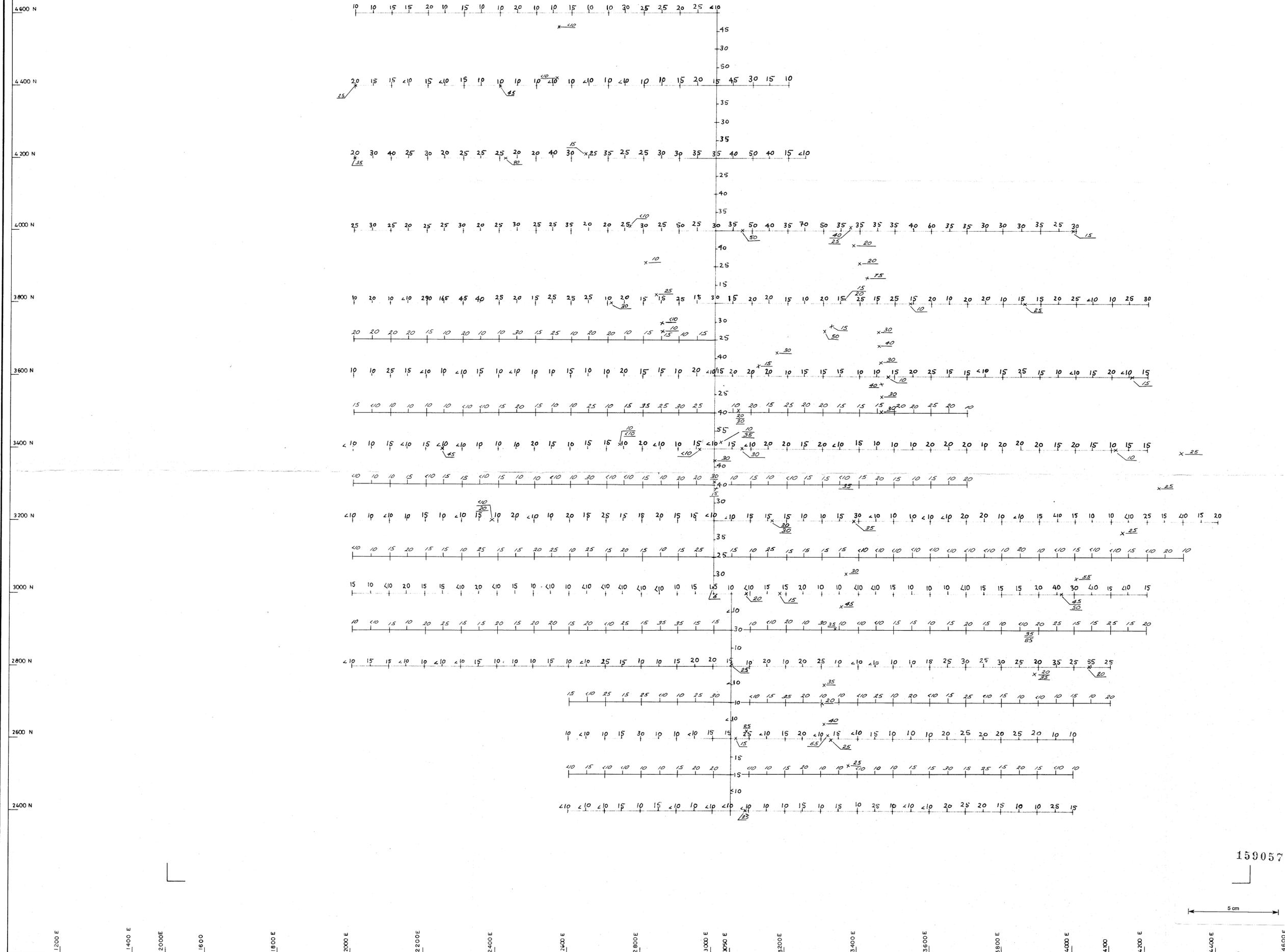
95-24408

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EL 778 ROYAL GEORGE
ST PAULS GRID 054

**GEOLOGY AND
DRILL HOLE LOCATIONS**

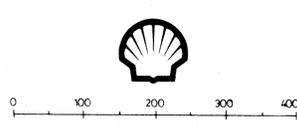
SCALE 1:5000	DATE 20/8/84
AUTHOR P.A.R.	DRAWN J.L.L.
OFFICE DEVONPORT	REP No.
ENCL No. FIG. 4	ORG No. D/LJ01/08



LEGEND

- 22 - Soil Geochem Result. (ppm)
- x 76 - Rock Chip Geochem Result. (ppm)
- 10* soils assayed

ASSAY TECHNIQUE XRF



159057



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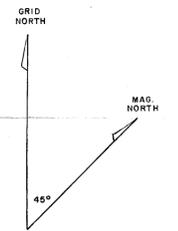
EL 7/78 ROYAL GEORGE
ST PAULS GRID

SOIL GEOCHEMISTRY
WO₃ 056

SCALE 1:5000	DATE 1-8-84
AUTHOR P.A.R.	DRAWN J.L.L.
OFFICE DEVONPORT	REP No
ENCL No FIG 6	DRG No 0/LJ01/05

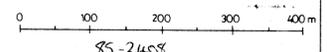
4600 N
4400 N
4200 N
4000 N
3800 N
3600 N
3400 N
3200 N
3000 N
2800 N
2600 N
2400 N

1600 E 1400 E 2000 E 1600 E 1800 E 2000 E 2200 E 2400 E 2600 E 2800 E 3000 E 3050 E 3300 E 3400 E 3600 E 3800 E 4000 E 4100 4200 E 4400 E 4600 E



LEGEND
 $\frac{22}{26}$ - Soil Geochem Result, $\frac{Cu}{Pb}$ (ppm)
 $x \frac{3}{6}$ - Rock Chip Geochem Result (ppm)
- 10³ soils assayed
ASSAY TECHNIQUE AAS

159058

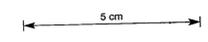


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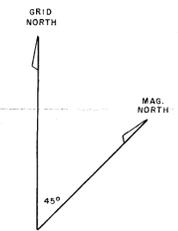
EL 7/78 ROYAL GEORGE
ST PAULS GRID

SOIL GEOCHEMISTRY
Cu/Pb 057

SCALE 1:5000	DATE
AUTHOR P.A.R.	DRAWN J.L.L.
OFFICE DEVONPORT	REP No.
ENCL No. FIG 7	DRG No. D/LJ01/06



4600 N
4400 N
4200 N
4000 N
3800 N
3600 N
3400 N
3200 N
3000 N
2800 N
2600 N
2400 N



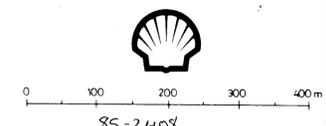
LEGEND

$\frac{22}{26}$ - Soil Geochem Result $\frac{Zn}{As}$ (ppm)

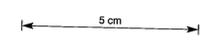
$\frac{76}{14}$ - Rock Chip Geochem Result (ppm)

- 10^m soils assayed

ASSAY TECHNIQUE XRF



159059



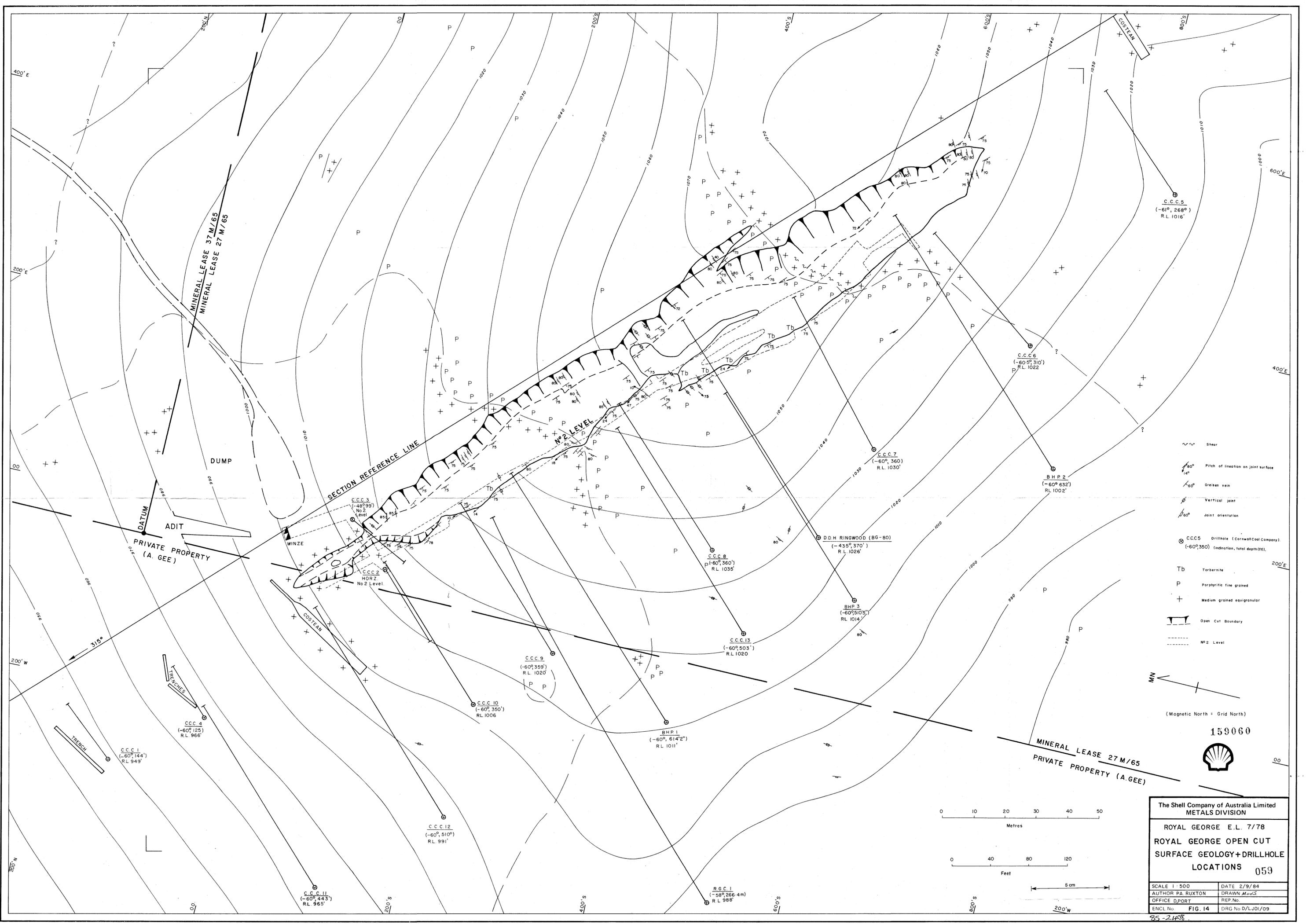
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METALS DIVISION

EL 7/78 ROYAL GEORGE
ST PAULS GRID

SOIL GEOCHEMISTRY
Zn/As 058

SCALE 1:5000	DATE
AUTHOR P A R	DRAWN J L L
OFFICE DEVONPORT	REP No.
ENCL No. FIG 8	DRG No. D/LJ01/07

1200 E 1400 E 2000 E 1800 E 1600 E 2200 E 2400 E 2600 E 2800 E 3000 E 3200 E 3400 E 3600 E 3800 E 4000 E 4200 E 4400 E 4500 E



MINERAL LEASE 37 M/65
MINERAL LEASE 27 M/65

DATUM
ADIT
PRIVATE PROPERTY
(A. GEE)

SECTION REFERENCE LINE

No 2 LEVEL

159060

MINERAL LEASE 27 M/65
PRIVATE PROPERTY (A.GEE)

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ROYAL GEORGE E.L. 7/78
ROYAL GEORGE OPEN CUT
SURFACE GEOLOGY+DRILLHOLE
LOCATIONS 059

SCALE 1:500	DATE 2/9/84
AUTHOR PA. RUXTON	DRAWN M.W.S.
OFFICE D.PORT	REP.No.
ENCL No	FIG. 14
	DRG No D/LJ01/09

0 10 20 30 40 50
Metres

0 40 80 120
Feet

5 cm

35-2438