RGC EXPLORATION PTY LTD

MOUNT SHOOBRIDGE

MCN's 1599 to 1608, 1623, 3340, 3341

PINE CREEK 1:250,000 Sheet SD52-8

ANNUAL REPORT 19.10.89 to 18.10.90

Distribution

- ● NT Mines Department
- o R.M. Biddlecombe
- o RGC Exploration - Perth
- o RGC Exploration - Darwin

St John Herbert
DARWIN, N.T.
October, 1990

NT/90/5

CONTENTS PAGE

1. INTRODUCTION

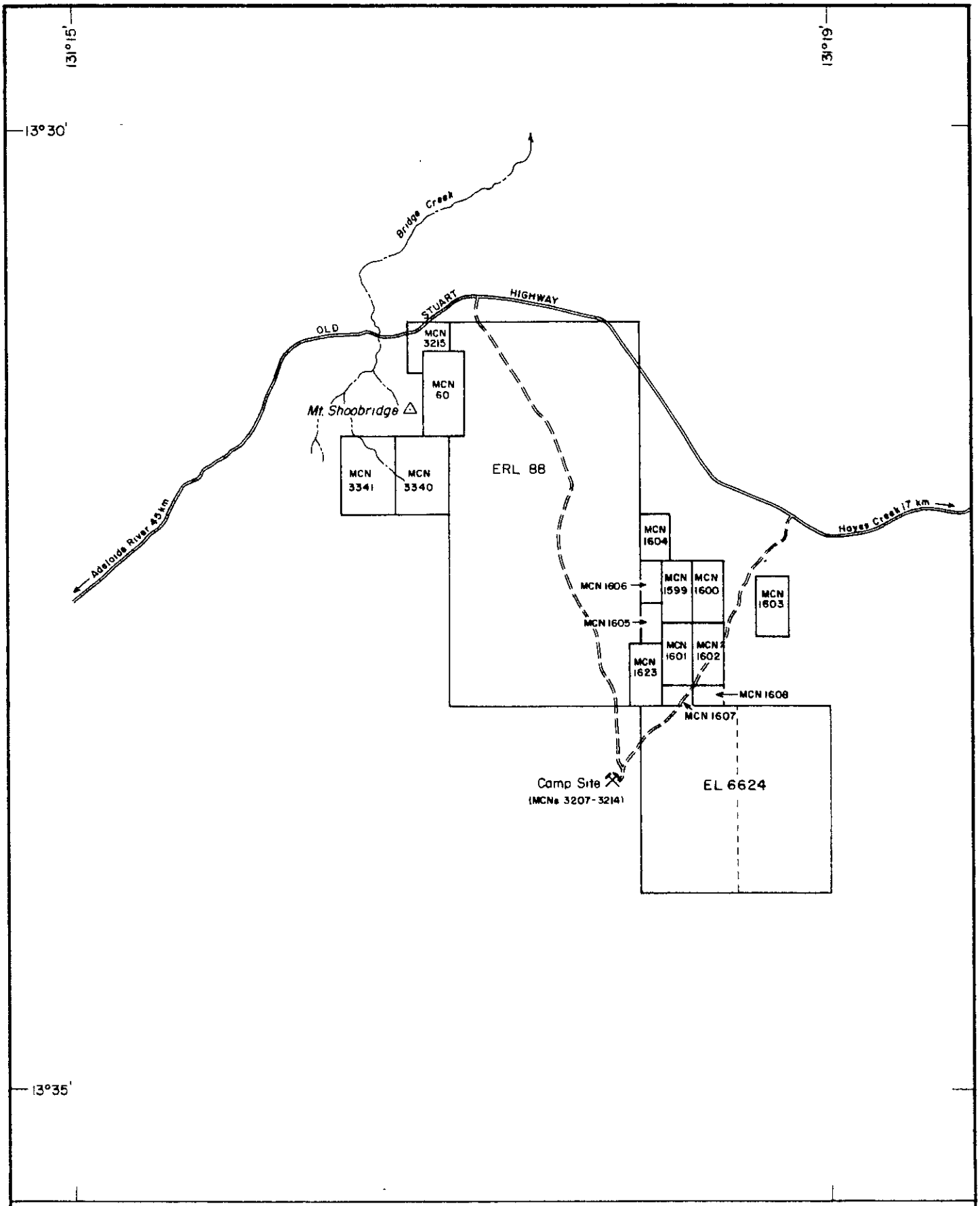
This report covers the work done by RGC Exploration from October 1989 to October 1990, on the Mount Shoobridge mineral claims.

The Mount Shoobridge mineral claims are located 140km SSW of Darwin and only 7km west of the existing Cosmopolitan Howley gold mine. The project area is readily accessible via the Old Stuart Highway (Figure 1).

Generally subdued relief covered by sparse eucalypt forest, is broken on the western edge by ridges and valleys of 60m relief.

2. TENURE

The Mount Shoobridge tenements are held under an option agreement with R.M. Biddlecombe. This covers ERL88, MCN's 1599 to 1608, 1623, 3340, 3341 and EL6624. The tenement locations are shown in Figure 1.



RGC EXPLORATION PTY. LIMITED

INCORPORATED IN NEW SOUTH WALES

COMPILED	F.G.F	MT SHOOBRIDGE PROJECT
DRAWN	A.M.L.	
DATE	Dec 1989	TENEMENT LOCATION
CHECKED		
1:250,000 Reference	SD 52-8	

BASE PLAN No MTS/1003

OVERLAY PLAN No

SCALE 1:50 000 0 0·5 1·0 1·5km

Fig. 1

3. PREVIOUS WORK

Tin mining is reported in the area from 1882 . A number of tin mines and tin costeans and pits were sunk on pegmatites throughout the area.

The Mount Shoobridge or Old Company tin mine; one of the large mines; was worked to a depth of 60m and 145 tonnes of tin concentrate was won from the pegmatites. The Barretts mine south-east of the MCN's produced approximately 115 tonnes of tin concentrate. Smaller tin mines such as Chinaman's Hill and Halls Creek lie west of the Old Company mine, but no production figures are available. (Walpole, 1968).

A host of exploration companies have held the prospect since the 1960's. United Uranium undertook extensive drilling for tin. The NT Geological Survey have drilled 1 diamond drill hole (DDH1) near the Old Company mine and 4 diamond drill holes (DDH2-5) near the Pyromorphite workings during 1973-1974. Gold assays were taken only at the end of DDH5 and included one 1.0g/t assay.

In 1983 Talmina Trading costeaned and sampled, however no results are available. R.J. Burke undertook a B.Sc Honours thesis in the area in 1987 as part of a degree at Melbourne University. This thesis investigated the origin and distribution of mineralisation. R.M. Biddlecombe has done limited costeaning, assaying and "dollying" of quartz veins to determine gold content.

Dominion, St Josephs International and Sons of Gwalia have all undertaken surface sampling. BHP started work in mid-1987, as an option agreement with R.M. Biddlecombe. After encouraging results from costeaning, a percussion drilling programme was undertaken. This was followed by diamond and RC drilling. BHP subsequently dropped the option agreement, which RGC took up in late 1989.

4. REGIONAL GEOLOGY

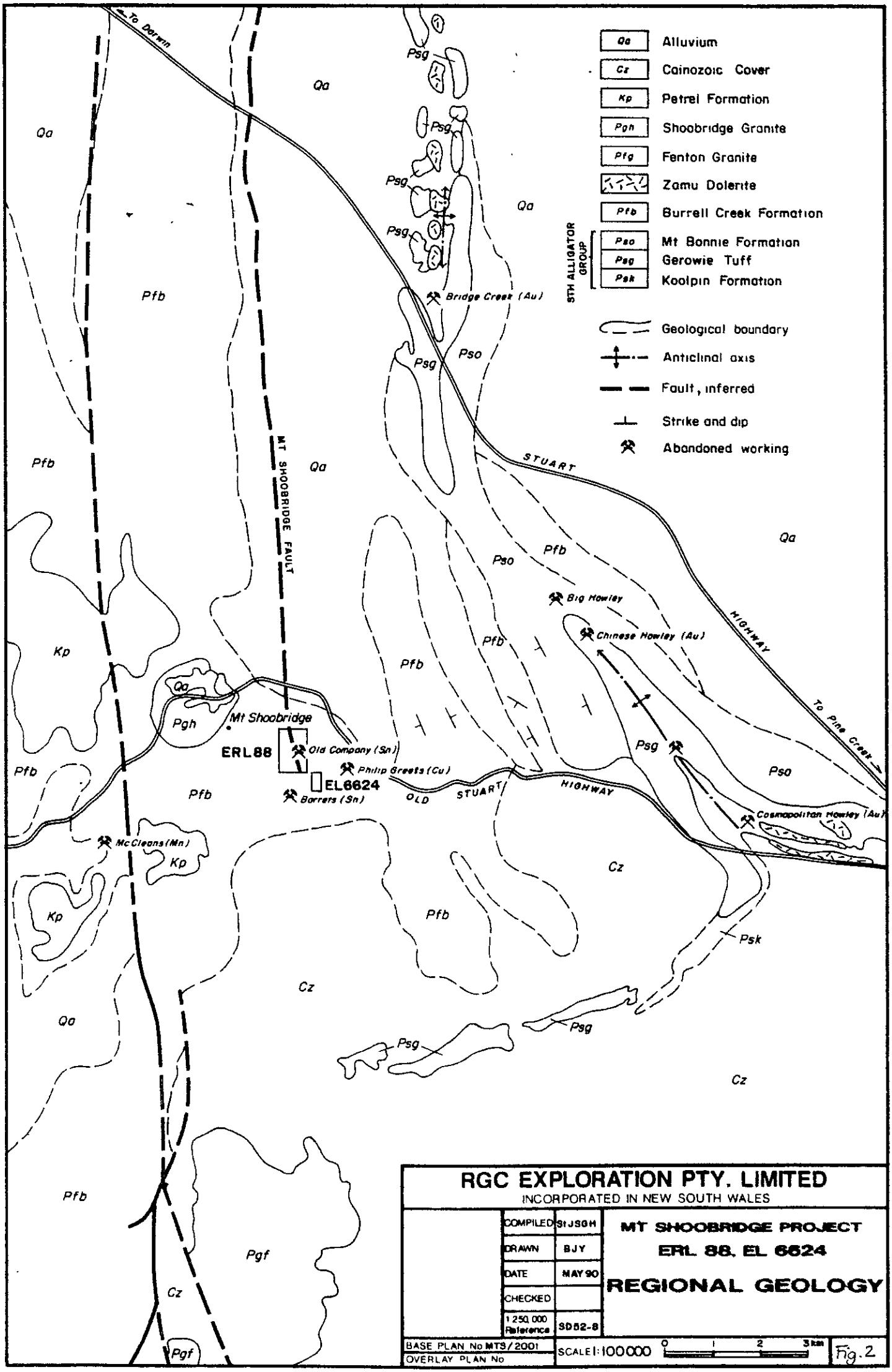
The project area lies to the central-western edge of the Pine Creek Geosyncline, at the southern end of the Mount Shoobridge Fault. Generally NW to NNW trending fold axis have folded the rocks of the Finniss River Group and further east the younger South Alligator Group. The Howley anticline is the most prominent expression of this, containing sediments of the South Alligator Group. The Cosmopolitan Howley mine lies within the Koolpin Formation of the South Alligator Valley, 7km east of the Mount Shoobridge Project (Figure 2).

The Mount Shoobridge MCN's are set in the Burrell Creek formation of the Finniss River Group. This is comprised of greywacke, siltstone, sandstone, and their metamorphosed and phyllitic equivalents.

Immediately to the north-west of the project area lies the Mount Shoobridge Granite, which is a stock 2km in diameter. This is zoned with a leucocratic core and a quartz monzonite rim. The leucocratic core contains quartz tourmaline bearing shear zones.

The overlying unconfirmable Mesozoic Petrel formation forms a flat plateau and mesa to the west and south of ERL88.

Low-lying flat areas to the north and south-west of transported alluvium and Quaternary soils, hide much of the Burrell Creek formation.



RGC EXPLORATION PTY. LIMITED

INCORPORATED IN NEW SOUTH WALES

COMPILED	S.I.J.S.G.H.	MT SHOOBRIDGE PROJECT
DRAWN	B.J.Y.	ERL 88, EL 6624
DATE	MAY 90	REGIONAL GEOLOGY
CHECKED		
1:250,000 Reference	SD52-8	

BASE PLAN No MTS/2001

OVERLAY PLAN No

SCALE 1:100000 0 1 2 3km

Fig. 2

5. WORK COMPLETED

The work completed to date includes gridding, mapping, soil sampling, rock chip sampling and trenching.

5.1 Gridding

The existing base line, which trends 340° , runs down the Old Company line of mineralisation. It is gridded at 100m x 50m spacing for 200m either side of the base line from 8600N to 12400N. Beyond this, a 200m x 50m grid was extended out over the MCN's to the east and west using compass and tape. (A total of c.5,000m of gridding was completed over the MCN's)

5.2 Soil Sampling

Soil sampling covered MCN's 1599 to 1602, 1604 to 1608, 1623 and all of ERL88 except the NE quadrant.

Samples were collected every 5m and composites made over 25m in the central Old Company mine area. Elsewhere samples were taken every 10m and combined over 50m. The samples were analysed for Au, As, Pb, Zn, Cu, Ag and a low gold detection method was used. This yields results to 1ppb. The results are set out in Appendix 1 and Plate 1.

5.3 Mapping

The Old Company prospect has been mapped at 1:1,000 scale from 8600N to 12400N and from 14800E to 15200E. Similarly the Philip Greets prospect has been mapped at 1:1,000. The remainder of the MCN's and ERL88 have been mapped at 1:5,000 scale, on a 200m x 50mgrid and 1:5,000 scale air photo coverage. This mapping has been compiled on 1:5,000 scale maps (see Plate 2).

5.4 Rock Chip Sampling

Rock chip sampling of prospects in the MCN's totalled approximately 300 samples. The Pyromorphite, Philip Greets, and Box Reef prospects were intensively sampled.

Pyromorphite sampling (145 samples) extended over 1700m strike length of quartz veins; low level anomalous values (0.1-0.3g/t) were scattered along the entire strike length. Higher values (0.6-0.9g/t) were distributed more sparsely along the prospect, with a slightly higher concentration at the southern end (Plate 5).

The Philip Greets prospect (MCN1603), extends over c.400m strike length. Sampling showed this prospect to be almost barren of gold mineralisation. The highest assay 0.13g/t was returned from copper concentrate dumps, from the previous mining. Samples of vein and dump material yielded values in the order of 0.005-0.009g/t. High copper values 2.9-5.4% came from the copper concentrate dumps. Many mullock samples ran 1,000 to 7,000ppm Cu.

The Box Reef prospect (MCN3340), comprises a large reef striking near north for c.400m. The reef contains low level anomalous gold (0.2-0.3g/t), sporadically along its strike length (Plate 4).

Other sampling covered minor quartz veins, gossanous rock and quartzites.

5.5 Trenching

One trench of 166m was excavated on coincident soil anomalies and rock chip results on the Pyromorphite prospect (Plate 3). The trench intersected generally

east dipping veins. The highest assay 0.88g/t was in steep west dipping siltstones. Quartz veins often had white bleached haloes around them; in addition, although white-grey on surface, the veins were more often blue-grey below surface.

The trench log is shown in Appendix 3.

6. LOCAL GEOLOGY

The majority of the MCN's are set in the Burrell Creek formation, comprised of siltstones, sandstones, shales, greywackes and phyllites. However, to the east, MCN1603 is covered by siltstones and cherty units, possibly of the Mount Bonnie formation.

The sandstones, siltstones and shales; that dominate the area are quartzofeldspathic to pelitic. The rocks show greenschist facies metamorphism and vary from weakly to strongly foliated.

The sediments trend generally NNW and a tight fold strikes in the same direction through the middle of the MCN's. To the west an amphibolite sill dips west at 15°, whilst to the east bedding dips east at 50-60°.

MCN3340 and 3341 lie further to the west. They contain a series of NNW trending anticlines and synclines. The easternmost anticline plunges steeply SSE at 40-50°. Large quartz reefs in the area trend both N-S and ENE.

7. PROSPECTS

7.1 Pyromorphite

Geology

The Pyromorphite prospect lies on an anticline striking NNW through the MCN's. Large 0.5-10m wide white-grey quartz veins parallel the anticline near the axial zone but probably lie partially on the east limb of the anticline. At the southern end of the system, the quartz veins swing more southerly. Quartzite beds parallel the anticline to the east, whilst on the western limb a basic intrusive sill dips shallowly west at 15°. The amphibolite sill is composed dominantly of amphibole with lesser k-feldspar and accessory biotite, chlorite and quartz, and crops out as dark brown-green rounded boulders; set in red soils. Small outcrops of barren gossan; quartzite and volcanics lie further to the east.

Small outcrops of lead mineralisation characteristically occur along the Pyromorphite prospect. From the Pyromorphite workings, which contain lead bearing quartz veins, pyromorphite and cerrussite; southwards, small amounts of lead mineralisation crop out with either pyromorphite, cerrussite or galena.

Prospect

The quartz vein system comprises white-grey quartz veins which sporadically contain gossanous material. 145 rock chip samples of quartz veins, gossanous rock and country rock, returned weakly anomalous results. Values of 0.2g/t are scattered through the zone, with higher values of 0.9-1.3g/t distributed erratically along the line of veins. High lead values of 0.7-20.2% were returned from veins in the Pyromorphite workings themselves.

Trench ST5 was placed coincident with a Au/As soil anomaly and elevated rock chip results. The highest assay was 0.88g/t over 2m; however, most values were <0.06g/t.

This indicates that the rock chip sampling over the prospect probably reflects the general grade of these veins; that being very low, with the occasional assay 0.8-1.2g/t.

The northern end of the Pyromorphite line, therefore appears to be downgraded. There may still be potential in the southern end of this zone.

7.2 Philip Greets (MCN1603)

The Philip Greets prospect is a series of pits and shafts sunk for copper over a 400m strike length. Set in siltstones and limonitic cherts, they appear to be set in a dilational jog or shear. A large quartz blow to the east of the workings strikes NNW for 250m before running out of the MCN to the southeast.

The highest gold assay from the Philip Greets prospect was 0.13ppm. This came from copper concentrate dumps. The highest value returned from sampling quartz veins and dump material was 0.046ppm. Most results were in the order of 0.006-0.009ppm. Copper assays returned 1 - 2.74% Cu from concentrate dumps and 15ppm to 1.84% Cu from pit sampling. The low gold and high copper values make this an unattractive target.

7.3 Box Reef (MCN3340, 3341)

This prospect lies to the west of ERL88, in steep ridge and valley country.

A reef 2-10m wide dips 60° E and can be traced for

600m. At its southern end the reef has two limbs, both of which dip east. Other large veins also crop out to the north and west. An anticlinal axis to the east plunges steeply SE at 40-50°. It is paralleled by another anticline to the west which does not plunge as steeply southwards. Within this area there are many small veins; not mappable at the present scale of mapping.

Rock chip results are similar to those returned from the reef north of the Old Company line. Values range from below detection limit to 0.36g/t Au with 100-1400ppm As.

1:1,000 mapping is necessary to determine the detailed geology and define any possible quartz vein zones as in the Old Company line of mineralisation.

8. CONCLUSIONS AND RECOMMENDATIONS

The Old company prospect (ERL88) contains the best possibility of economic mineralisation in the immediate area. The Box Reef prospect and the southern end of the Pyromorphite prospect are the main areas of interest remaining. The Philip Greets prospect has no gold potential and the central part of the Pyromorphite prospect contains only sporadic low grade mineralisation.

Further detailed mapping and rock chip sampling is required for exploration of the Box Reef and southern Pyromorphite areas. Dependent upon results, RAB drill holes may be recommended to coincide with the proposed programme for ERL88.

9. PROPOSED PROGRAMME

Further mapping and rock chip sampling is required at the southern end of the pyromorphite mineralisation to outline possible extensions.

Detailed mapping and rock chip sampling is also required on the Box Reef prospect to define any associated vein systems.

If the results warrant further investigation, RAB drilling coincident with the proposed programme for ERL88, will be used to test any mineralisation.

10 EXPENDITURE

Personnel Costs	13,889
Travel and Accommodation	3,102
Analytical Contractors	11,224
Stores, supplies, field equipment, and consumables	2,078
Office Costs	170
Administrative Overheads	6,938
Vehicle Costs	3,568
Plant Hire and Costs	736
Tenements	11,484
	$53,189

APPENDIX 1

SOIL SAMPLING

Sample	Au	Au(R)	As	Cu	Pb	Zn
Q 89662	0.001		27	14	226	34
Q 89663	<0.001		75	22	844	58
Q 89664	<0.001		42	16	298	54
Q 89684	0.080		140	20	851	40
Q 89685	0.169	0.182	578	42	159	74
Q 89686	0.119		239	28	288	93
Q 89687	0.014		247	44	397	166
Q 89688	0.007		167	36	334	187
Q 89689	0.006		126	26	469	149
Q 90710	0.059		282	20	180	68
Q 90711	0.008		109	21	166	64
Q 90712	0.020	0.015	390	36	267	110
[illegible]	0.056	0.058	492	53	437	175
Q 90714	0.027		490	33	275	147
Q 90715	0.012		505	27	560	208
Q 90716	0.010		170	27	592	215
Q 90717	0.007		86	37	850	246
Q 90718	0.001		98	42	1364	226
Q 90738	0.013		38	29	31	81
Q 90739	0.030		37	44	36	114
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
Q 90741	0.009		329	35	455	107
Q 90742	0.009		759	51	128	99
Q 90743	0.011		1016	48	549	110
Q 90744	0.034		1183	46	738	78
Q 90745	0.003		89	14	741	37
Q 90746	<0.001		14	24	156	82
Q 90747	<0.001	<0.001	39	36	1262	198

Q 90766	0.022		516	24	213	77
Q 90767	0.015		199	25	102	95
Q 90768	0.033		290	27	109	111
Q 90769	0.011		624	28	128	114
Q 90770	0.011		650	29	161	104
Q 90771	0.012	0.011	1196	39	194	108
Q 90772	0.025		1481	42	146	103
Q 90773	0.014		1206	42	470	201
Q 90774	0.003		148	29	466	101
Q 90775	1.230	1.130	2864	233	26	201
Q 90776	<0.001		38	22	135	34
Q 90777	<0.001		47	28	233	56

Q 90794	0.015		39	20	93	17
Q 90795	0.016		445	36	365	76
Q 90796	0.052		198	35	373	69
Q 90797	0.037		210	24	72	51
Q 90798	0.032		276	22	119	62
Q 90799	0.068		309	29	155	88
Q 90800	0.017	0.010	31	339	14	208
Q 90801	0.045		901	63	151	92
Q 90802	0.028		855	56	239	95
Q 90803	0.029		857	46	245	94
Q 90804	0.055		470	35	221	88
Q 90805	<0.001		172	15	114	30
Q 90806	<0.001		42	21	159	37
Q 90823	0.009		578	29	100	10
Q 90824	0.014		566	32	143	9
Q 90825	0.470	0.400	950	126	23	43
Q 90826	0.040		1027	60	200	55
Q 90827	0.112	0.106	786	46	280	125
Q 90828	0.500	0.467	840	50	502	189
Q 90829	0.014		443	38	454	76
Q 90830	0.016		528	32	287	63
Q 90831	0.004		586	29	253	43
Q 90832	0.001		495	28	307	49
Q 90833	0.002		421	26	289	37
Q 90834	<0.001		205	19	127	21
Q 90835	<0.001	<0.001	137	19	96	16
Q EXTRA 89665 15850	0.001	<0.001	8	12	100	23

Data in ppm unless otherwise stated.

APPENDIX 2

ROCK CHIP SAMPLES

PROJECT: Mt. Shadbridge MCN's
GEOLOGIST: Sc J. HERBERT
DATE: 1/10/90

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SAMPLE		Au	Au$_R$		As	Cu	Pb	Zn	Ag		
90890	Fe	0.053			100						
90901	STD										
90902	Silicif phyllitic SILT	<0.005			100	1300	<5	<5			
90903	Silicified Qtzite + mal malachite	<0.005			100	1550	<5	<5			
90904	Quartzite + microseous phyllite	<0.005			<100	195	<5	<5			
90905	Weakly fe rich banded qtz	<0.005			<100	185	20	<5			
90906	Fe-rich Qtzite + minor Qz mal	0.005			<100	355	20	<5			
90907	Weakly fe rich qtzite	<0.005			<100	225	5	25			
90908	fe-rich qtzite + banded	<0.005			<100	100	45	<5			
90909	Very fe rich qtzite + Pyromorphite	0.008			400	3450	10	<5			
90910	Mod fe - qtzite	<0.005			<100	945	5	<5			
90911	fe rich qtzite + Gy VNS	0.005			200	7100	20	10			
90912	Qz + fe rich qtz VNS	0.024			200	3050	20	<5			
90913	fe-rich qtzites + breccia	0.024			200	4000	5	<5			
90914	fe rich qtzites + qy VNS	0.006			100	5050	25	<5			
90915	Wk Qtz VNS + brecc in fe qtzite	0.060			<100	180	10	<5			
90916	fe-rich qtz VNS + fe laminated	<0.005			<100	65	20	<5			
90917	Qtzite + fe rich + laminated qtzite	<0.005			<100	70	15	<5			
90918	fe Qz VNS + laminated fe qtzite	0.022			<100	225	25	<5			
90919	Qtzite + fe Mal	0.033			100	>10000 1.84	10	<5			
90920	qtzite + mal + fe breccia	0.011			<100	2500	5	<5			
90921	Qtzite + moderate fe	<0.005			<100	1030	<5	<5			
90922	Jewellhead Silicif SILT + Mal	0.012			200	7000	<5	<5			
90923	fe. qtzite + fetruture Silt	0.006			<100	375	5	<5			
90924	fe-rich banded Qtzite + limonite	<0.005			<100	260	40	<5			
90925	Qtzite + Gy next qtz	0.008			<100	195	45	<5			
90926		0.014			200	>10000 1.60	10	<5			
90927	fe rich qtzite + wk Qz VNS + malachite	0.006	0.008		100	7750	5	<5			

PROJECT: Mt. Shoobridge
GEOLOGIST: St J. HERBERT
DATE: 25·9·90

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SAMPLE		Au	AuR		As	Cu	Pb	Zn	Ag		
90836	LATERITISED MILKY-OILY BLUE Qtz	0·292			6600	190	725	65	17.5		
90837	OILY BLUE VITREOUS SULPHIDIC Qtz	0·075			300	10	45	10	<0.5		
90838	OILY BLUE Qtz	0·005			200	20	75	20	<0.5		
90839	weakly qtz veined GOSSAN	0·048			4600	525	>5000 6300	1095	4.0		
90840	Fe, OILY BLUE Qtz	0·045			2700	110	785	380	0.5		
90841	Fe-ox rich Quartz	<0.005			200	15	70	25	<0.5		
90842	MILKY Qtz Vein adjacent Dolerite	0·176			100	10	130	35	1.0		
90843	Scorodite, ASPY, Qtz VN.	0·470			>10000 165000	90	50	135	0.5		
90844	limonitic oly blue Qtz	0·016	0.018		1000	15	95	115	<0.5		
90845	GOSSAN Fe-ox Phyllite	0·262			800	15	130	135	<0.5		
90846	Fe-weakly oily blue Qtz	0·237			9800	195	1750	1900	<0.5		
90847	Fe-ox quartz	0·253			200	10	90	60	<0.5		
90848	Fe-ox quartz	0·142			200	<5	125	20	<0.5		
90849	COMPOSITE OF PITS.	1·396			3800	220	20	165	<0.5		
90856	QTS VN Gyuh + chl + fe-ox	0.006			400						
90872	White + Grey ½ Vein + Inonite	<0.005			<100						
90873	Wst Dip Qz VN with Gy + lim Fe	<0.005			<100						
90874	Wh, next: Qz VN + limonite Sh	0.045			300						
90875	White Qz VN, minor fe	0.060			100						
90876	Gr-wt Qz Vn + fe fractures	0.318			<100						
90877	White + gr Qz + hae Dr S. of hypersthenite	<0.005			<100						
90878	Py + fe rich ext. SILIST	<0.005			<100						
90879	Wh Qz + fe breccia in	0.606			<100						
90880	Pb min, Slt + Qz VNs with Gy Byroph	0.358	0.345		<100						
90881	Wh Qz Hem + limbe in trench	0.212	0.328		100						
90882	Wh Qz VN bed pll	0.417			<100						
90883	Wh-gy bed pll Qz VN + fe Width 3	0.023			<100						
90884	Wh-gy lin Qz VN. low Angle Dip	0.033			300						
90885	30cm wh. Qz VN + limonite	8.220	8.500		400						
90886	BOUDINAGED wh-gy Qz VN	5.130	5.810		600						
90887	wh-Qtz VN + fe + Tourmaline Sil	<0.005			<100						

PROJECT: Mt. Shoobridge MCN's
GEOLOGIST: S.J. Herbert
DATE:

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SAMPLE		Au	AuR		As	Cu	Pb	Zn	Ag		
90928	Qz UN - qtzite breccia-limonite	0.054			100	580	25	20			
90929	fe-rich laminated qtzite	0.006			<100	80	20	<5			
90930	Ext fe rich qtzite	<0.005			<100	60	25	<5			
90931	baded fe-rich qtzites	0 006			<100	70	30	<5			
90932	banded fi-red qtz VEINS	0.007			<100	40	15	<5			
90933	white qtz VEINS	<0.005			<100	860	<5	<5			
90934	white qtz passes into white Qz	0.006			<100	15	5	<5			
90935	white quartz blow	<0.005			<100	15	<5	<5			
90936	white quartz blow	<0.005			<100	25	5	<5			
90937	white qz blow	<0.005	<0.005		<100	45	<5	<5			
90938	E-dipping limonite rich banded qtzite	0.046			<100	160	15	<5			
90939	wh-gy fe veined qtz Vein	<0.005			<100	10	<5	<5			
90940	blk gy qtz + fe Specks	<0.005			<100	80	960	90			
90941		0.010			<100	50	45	<5			
90942	laterite UNCK.	0.009			<100	145	40	<5			
90943	Wh qtz Vein	0.005			<100	5	<5	<5			
90944	wh qz blow	0.006			<100	5	<5	<5			
90945	wh qz blow	<0.005			<100	5	<5	<5			
90946	wh qz blow	<0.005			<100	<5	<5	<5			
90947	wh qz blow	<0.005			<100	<5	<5	5			
90948	wh. qtz blow	<0.005			<100	5	5	<5			
90949	wh qtz blow	<0.005			<100	15	5	5			
90950	chry rock - qz blow contact	<0.005			<100	5	5	5			
90951	wh qtz blow	<0.005			<100	15	10	15			
90952	Across Qtz chry rock contact	<0.005			<100	20	10	10			
90953	wh qz + fe	0.043	0.049		100	15	465	20			
90954	wh qz blow fe	0.027			900	85	810	105			
90955		0.023			300	15	235	50			
90956	wh qz + fe + ha	0.043			<100	10	125	35			
90957	wh. qz + fe staining.	0.027			<100	10	350	40			
90958	wh qz + mica fe stain.	0.055			<100	5	60	15			

PROJECT: Mt. Shoobridge MCN's
GEOLOGIST: Sc J. Herbert
DATE: 25.9.90

R G C EXPLORATION PTY. LIMITED

SAMPLE		Au	Au_R		As	Cu	Pb	Zn	Ag		
90959	wh qtz + fe fractures	0.007			<100	10	70	15			
90960	STD	0.068			500	95	980	295			
90961	wh qz + fe staining	0.010			300	15	865	50			
90962	float mica qtzite	0.020			300	35	845	85			
90963	mica qtzite fe	1.318	1.134		100	20	190	35			
90964	wh Qtz fmca + fe	0.036			200	5	175	10			
90965	wh qtz VN + fe	0.012			100	5	245	25			
90966	wh Qtz										
90967	wh qtz VN mica + fe	0.026			1800	170	545	85			
90968		0.024			200	15	50	10			
90969	Pegmatite	0.016			300	25	165	50			
90970		0.006			100	10	60	5			
90971		<0.005			100	5	65	5			
90972	wh qz blow + fe	0.224			200	15	165	30			
90973	wh qz + fe	0.014			100	10	35	10			
90974	wh qz + fe mica	0.015			100	20	60	15			
90975	wh qz + fe mica	0.041			300	25	145	35			
90976	wh qz minor fe	0.034			100	15	190	25			
90977	wh qz + lim + fe	0.142			100	10	25	10			
90978	mica qtzite ctry rock + fe	0.008			100	15	200	15			
90979	wh. qz blow + minor fe	0.006			<100	5	25	20			
90980		0.012			100	5	90	20			
90981	wh qz + fe stockworks	0.007			<100	10	215	40			
90982		0.904			1300	15	260	130			
90983		0.008			200	15	455	110			
90984		0.025			500	10	110	15			
90985	Pegmatite	0.032			500	20	240	45			
90986		0.016			100	10	225	25			
90987	minor fe-stand qtzite	<0.005			100	40	120	20			
90988	wh qtz VN + fe veins	0.098			100	10	150	30			
90989	wh qtz + fe	0.025			200	10	45	30			

PROJECT: Mt. Shoobridge MCN's
GEOLOGIST: Sc J. Herbert
DATE: 25.9.90

R G C EXPLORATION PTY. LIMITED

SAMPLE		Au	AuR		As	Cu	Pb	Zn	Ag		
90990	STD										
90991	wh qtz + fe	0.033			600	30	45	22			
90992	wh qtz + fe	0.016			1400	80	95	60			
90993	wh qtz + fe	0.099			300	20	60	30			
90994	wh qtz + fe	0.016			100	10	70	10			
90995	wh qtz + fe	0.018			300	15	170	<5			
90996	wh qtz + fe	0.882			900	35	105	45			
90997	wh qtz + fe	0.085			2100	75	360	135			
90998	wh qtz + fe	0.030			1100	75	375	85			
90999	wh qtz + fe	0.220			400	20	30	30			
91000	wh qtz + fe	0.054			1000	40	60	115			
93902		0.039	0.040		300	15	20	25			
93903		0.006			100	10	110	20			
93904		0.008			<100	10	15	15			
93905		<0.005			<100	5	5	10			
93906	fe-qtzite Breccia	0.014	0.016		3700	170	1300	930			
93907	Alt'D country rock in QZ	0.011			700	35	20	95			
93908	wh rext qtz + fe	0.021			300	10	10	20			
93909	wh-qtz Vn + fe + wh comb QZ (cross cut)	0.204			6000	210	265	600			
93910	V. fe rich + Vuchy wh-gy qtz	0.093	0.090		1600	75	15	165			
93911	Goss Qtz Vns	0.014			700	20	45	90			
93912	Goss Qtz Vns	0.042			2300	105	1500	565			
93913	wt qtz Vs in amphibolite	<0.005			<100	5	75	20			
93914	Qtz Vn + mica	0.034			1000	20	50	100			
93915	wh qtz Vn + fe watt	<0.005			500	5	5	10			
93916	wt qtz Vns.	0.023			500	15	70	45			
93917	wt qtz + fe	0.035			800	25	125	135			
93918	fe mod. Qtzite	0.019			400	20	30	95			
93919	V. fe rich Qtz-fe breccia	0.067			2900	100	380	475			
93920	wh qtz Vn + fe	0.016			700	25	140	95			
93921	wt qtz Vn + fe	0.166			200	20	90	60			

PROJECT: Mt. Shoobridge MCN's
GEOLOGIST: S.E.J. Herbert
DATE: 25.9.90

R G C EXPLORATION PTY. LIMITED

SAMPLE		Au	Au$_R$		As	Cu	Pb	Zn	Ag		
93922	wt qtz Vn + country rocks Jarosite	0.326			4600	90	110	110			
93923	wt Sy ch Vn in clk + limonitic country sst	0.040			710000 4.13	105	65	50			
93924	wt qtz Vn + fe	0.134			710000 4.27	80	130	25			
93925	wt qtz Vn + fe + Cut Tourmaline	0.007			1000	10	20	5			
93926	wt qtz Vn + fe	0.016			3500	215	810	560			
93927	Cross arrows wht qtz Vn + SLT	0.008			1100	45	85	125			
93928		0.021			1600	225	60	350			
93929	Qtz Vn + country rock.	0.008			400	45	120	80			
93930	Qtz Vn + fe	0.029			1300	50	595	400			
93931	wt - Gy Qtz Vn	0.027			<100	10	100	25			
93932	wt - Gy Qtz Vn	<0.005	0.008		100	5	80	25			
93933	wt - Gy Qtz Vn	<0.005			1400	165	1350	735			
93934	wt - Gy Qtz Vn	0.013			700	25	70	90			
93935	wt - Gy Qtz Vn	0.022			<100	5	55	10			
93936	wt - Gy Qtz Vn	<0.005			100	10	70	15			
93937	wt - Gy Qtz Vn	0.022			100	5	15	10			
93938	wt - Gy Qtz Vn.	<0.005			<100	5	10	5			
93939	wt - Gy Qtz Vn. + fe	0.017			<100	5	40	10			
93940	fe wt - Gy Qtz Vn.	0.045			400	15	20	35			
93941	fe ox wt Gy Qz Vn	0.209			300	35	15	65			
93942	Blue - grey Qtz Vn.	0.136	0.112		<100	5	10	10			
93943	wt - Gy Qtz Vn.	0.094			600	35	60	110			
93944	wt - gy qtz Vn.	0.076			1700	55	55	70			
93945	wt Gy Qtz Vn	0.012			200	15	20	15			
93946	wt Gy Qtz Vn	0.091			1100	40	95	160			
93947	wt Gy Qtz Vn										
93948	wt Gy Qtz Vn.										
93949	wt - Gy Qtz Vn.	0.015			700	50	100	50			
93950	wt - Gy Qtz Vn + fe ox	0.017			<100	5	15	20			
93951	wt - Gy Qtz Vn + fe ox	0.048			400	15	10	90			
93952	wt - Gy Qtz Vn + fe ox	0.006			500	20	1550	375			

PROJECT: Mt. Shoalwater MCN's
GEOLOGIST: St J. Herbert
DATE: 25.9.90

R G C EXPLORATION PTY. LIMITED

SAMPLE		Au	Au$_R$		As	Cu	Pb	Zn	Ag		
93953	wt-Gy Qtz Vn & fe-ox	0.076			300	20	370	45			
93954	wt-Gy Qtz Vn & fe-ox	0.017			100	10	35	50			
93955	wt-Gy Qtz Vn & fe ox	0.009			<100	5	20	15			
93956	wt-Gy Qtz Vn & fe	0.024			600	25	4350	95			
93957	Qtz Vn'd Pegmatite	0.022			400	15	75	115			
93958	wh-Gy Qtz Vn	0.020	0.020		200	10	100	20			
93959	wh-Gy Qtz Vn.	0.050			100	10	45	35			
93960	STD	0.053			500	95	1035	315			
93961	wh-Gy Qtz Vn	0.260			300	5	50	20			
93962	wh-Gy Qtz Vn.	0.019			100	10	20	15			
93963	wh-Gy Qtz Vn.	0.059			100	5	165	45			
93964	wh-Gy Qtz Vn.	0.038			200	5	30	25			
93965	wt-Gy Qtz Vn.	<0.005			100	10	2100	20			
93966	wt-Gy Qtz Vn.	<0.005			<100	<5	180	15			
93967	wt-Gy Qtz Vn.	<0.005			<100	5	140	15			
93968	wt-Gy Qtz Vn.	0.043	0.056		500	65	135	230			
93969	Gossanous country Rock	0.007			100	35	100	140			
93970	wt-Gy Qtz Vn	0.124			<100	5	10	35			
93971	wt-Gy Qtz Vn.	0.006			300	115	>5000 20.25	115			
93972	wt-Gy Qtz Vn.	<0.005			200	175	>5000 0.72	310			
93973	wt-Gy Qtz Vn.	0.015			1000	230	>5000 6.95	530			
93974	wt-Gy Qtz Vn.										
93975	wt-Gy Qtz Vn.	0.058			300	40	410	65			
93976	wt-Gy Qtz Vn	0.024			100	15	40	20			
93977	wt-Gy Qtz Vn.	0.092			100	25	85	55			
93978	wt-Gy Qtz Vn.	0.026			200	30	100	35			
93979	wt-Gy Qtz Vn.	0.032			500	65	20	135			
93980	wt-Gy Qtz	0.121			1200	160	285	225			
93981	wt-Gy Qtz	0.025			200	15	75	35			
93982	wt-Gy Qtz	0.600			600	35	65	95			
93983	wt-Gy Qtz	0.237			1700	90	65	290			

PROJECT: Mt. Shoobridge MCW's
GEOLOGIST: St. J. Herbert
DATE: 25.9.90

R G C EXPLORATION PTY. LIMITED

SAMPLE		Au	AuR		As	Cu	Pb	Zn	Ag		
93984	CROSSANOUS Contry Rock	0.011			1200	45	160	115			
93985	wt + gy Qtz	<0.005			<100	45	900	95			
254541	White - grey quartz + galena	0.09			310						
254542	Blue - grey Quartz.	0.04			200						
254543	White grey Quartz.	<0.01			<100						
93989	wt - Gy Qtz Vn + Pyrite	0.063			<100	10	185	30			
93990	NOT USED										
93991	wt - gy Qtz Vn	0.007			<100	5	105	30			
93992	Mullock Sple	0.005			200	185	>5000 3.10	340			
93993	wt gy Qtz Vn contry Rock	<0.005			100	15	830	30			
93994	Grab Sple + mudRock	<0.005			200	25	>5000 1.44	65			
1501	White Quartz Vn + Tourmaline	0.20			8700						
1502	Wh-Gy Quartz Vn + Tourmaline	0.75			4800						
1503	Blue-Gy Quartz Vn + Tourmaline	0.31			1.10%						
1504	Fine Qtz Vein Stockworks	0.06			7.40%						
1505	Blue-Gy Qtz Vein in Stockworks	<0.01			1.20%						
1506	Stockwork	0.02			8780						
1507	Blue-Gy Qtz Vn Stockworks	0.17			3100						
1508	MICACEOUS SICT in stockworks	0.03	0.04		1.30%						
1509	Wh-Gy Qtz Vn in Stockworks	0.11			5400						
1510	Blue-Gy Qtz Vn outcrop	0.53	0.54		2400						
1511	Quartz Vein + fe - ox.	<0.01			608						
1512	Wh - Gy Quartz Vein + fe - ox	<0.01			100						
1513	Wh - Gy Quartz Vein + limonite	<0.01			120						
1514	Quartzite + fe Staining	<0.01			125						
1515	White rext. quartz vein in Qtzite	<0.01			<100						
1516	Quartzite + White rext. quartz Vein	<0.01			<100						
1517	Quartzite + white qtz veins	<0.01			<100						
254500	White - Grey Quartz Vein	0.02			240						
254501	White - Grey Quartz Vein	<0.01			<100						
254502	White - Grey Quartz Vein	0.07			100						

PROJECT: Mt. Shoobridge MCN's
GEOLOGIST: Sc. J. Herbert
DATE: 25.9.90.

R G C EXPLORATION PTY. LIMITED

SAMPLE		Au	Au$_R$		As	Cu	Pb	Zn	Ag		
254503	Blue-Grey Quartz+fe-ox	0.23			240						
254504	fault breccia	0.27	0.25		<100						
254505	Fault breccia	0.31	0.33		100						
254513	Gossanous Rock.	0.03			220						
254514	Gossanous Rock	<0.01			200						
254515	Blue-Grey Quartz+fe-ox	<0.01			<100						
254516	Blue-Grey Quartz + fe-ox	<0.01			<100						
254517	White Grey Quartz Vein	0.01			130						
254518	White-Grey quartz + scorodite	<0.01			<100						
254519	White-Grey quartz + fe-ox	0.02			220						
254520	White-Grey quartz + As	0.05			1760						
254521	White-Grey quartz + fe-ox	0.01	0.01		305						
254522	White-Grey quartz + scorodite	0.05			2000						
254523	White-grey quartz + scorodite	<0.01			200						
254524	White-grey quartz + fe-ox	0.10			415						
254525	White-grey quartz + scorodite	0.05			450						
254526	White-grey quartz + As	0.01			410						
254527	White grey quartz	0.15			215						
254528	White-grey quartz + fe-ox	0.02			130						
254529	Blue-grey quartz + fe-ox	<0.01	<0.01		<100						
254530	White-grey quartz + fe-ox	0.36	0.38		410						
254531	White-grey quartz	0.04			220						
254532	White-grey quartz	0.01			120						
254533	White-grey quartz	0.01	<0.01		115						
254534	White-grey quartz	0.24			630						
254535	White-grey quartz + fe-ox	0.32	0.36		1900						
254536	White-grey quartz	0.04			335						
254537	White-grey quartz	0.14			970						
254538	White-grey quartz + Scorodite	0.06			530						
254539	White-grey quartz + fe-ox	0.03			490						
254540	White-grey quartz + fe-ox	0.04			280						

APPENDIX 3

TRENCH LOG

COSTEAN LOGGING SHEET

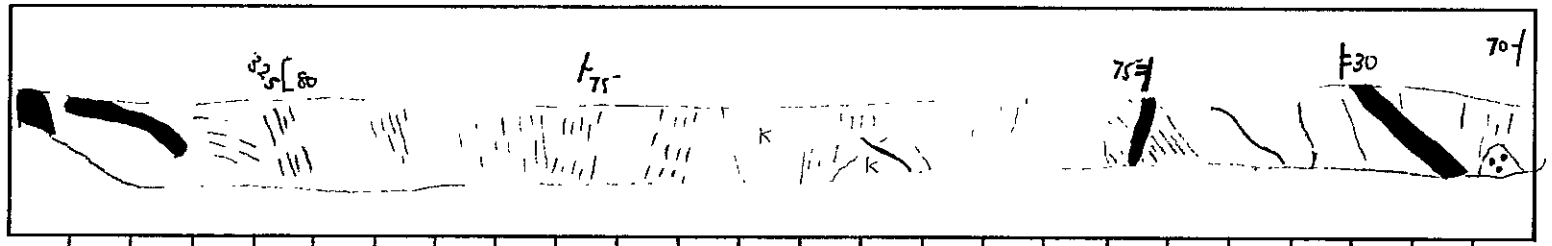
Project: Mt. Shoobridge **Date:** 17/8/90

Prospect: Pyromorphite **Scale:** 1 : 250

Costean: ST 5 **Sample No** 254147 **to** 254178 **Page** 1 **of** 4

Az 073°

SECTION



Au (ppm)

0.12 0.02 0.01 0.05 0.01 0.01 0.02 0.02 0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 0.01 <0.01 <0.01 <0.01 <0.01 0.01 <0.01 <0.01 <0.01 <0.01

As (ppm)

QUARTZ VEINS

Bedding Pll																		WR		BG				
Cleavage Pll																								
Ladder																								
Stockwork																								
Other	WG	BG	BG																BG	BG			BG	

ALTERATION

												K?	K?		K?	K?	K?	K?		K?			K?	

RGC EXPLORATION PTY LIMITED

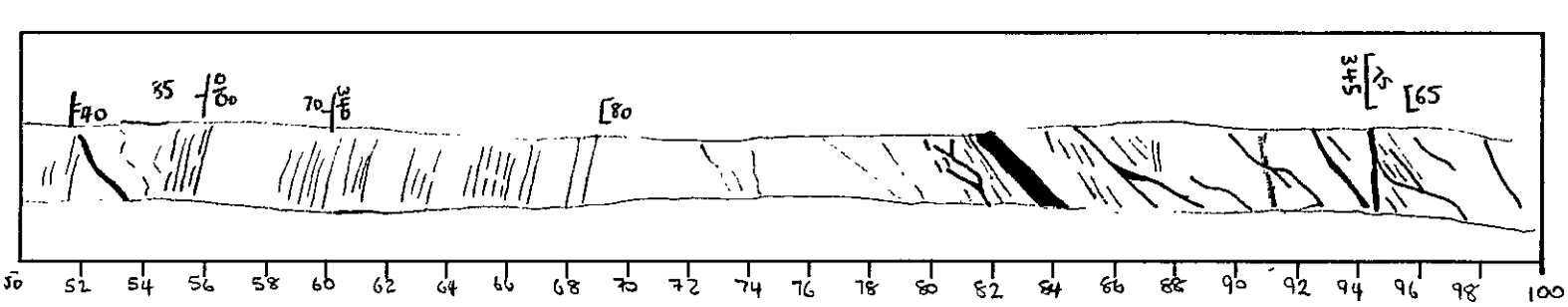
COSTEAN LOGGING SHEET

Project: Mt. Shoobridge **Date:** 18/8/90

Prospect: PYROMORPHITE **Scale:** 1 : 250

Costean: STS **Sample No** 254173 **to** 254197 **Page** 2 **of** 4

SECTION



Au (ppm)

50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
<0.01	0.13	0.88	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.01	0.04	0.15	0.03	0.06	0.04	0.03	0.03	0.01	0.01	0.01	0.04	0.19	0.01	

As (ppm)

QUARTZ VEINS

	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
Bedding Pll																										
Cleavage Pll																								WG BG	BG	
Ladder																										
Stockwork																BG										
Other		BG															BG		BG	BG		BG	BG	WG BG		

ALTERATION

	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
																	K?		K?							

RGC EXPLORATION PTY LIMITED

COSTEAN LOGGING SHEET

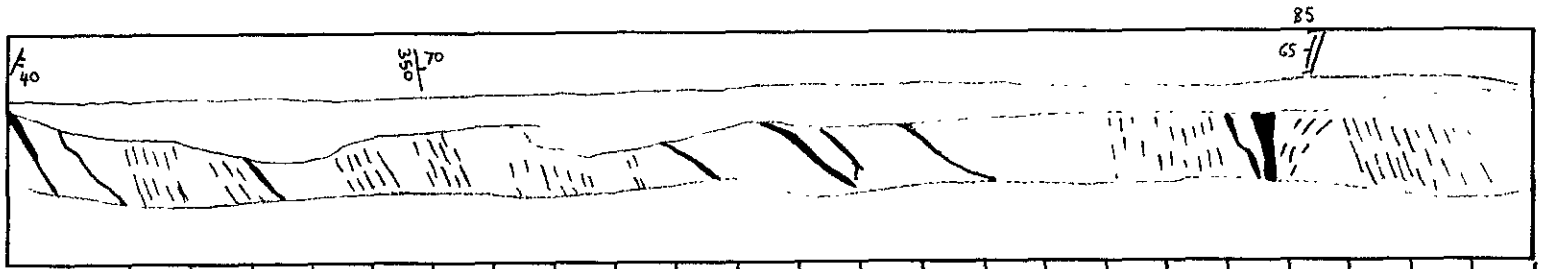
Project: Mt. Shoobridge **Date:** 18/8/90

Prospect: Pyromorphite **Scale:** 1 : 250

Costean: ST 5 **Sample No** 254198 **to** 254223 **Page** 3 **of** 4

Az

SECTION



102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 **metres**

Au (ppm)

0.03 0.02 0.04 0.29 0.11 0.06 0.13 0.30 0.18 0.06 0.10 0.02 0.10 0.07 0.14 0.38 0.11 0.12 0.20 0.05 0.15 0.25 0.40 0.06 0.05

As (ppm)

QUARTZ VEINS

Bedding Pll																								
Cleavage Pll																								
Ladder																								
Stockwork															THIN FE SEKWK									
Other	BG	WG			WG							BG		BG		WG								

ALTERATION

																				K?	K?	K?	K?	K?

RGC EXPLORATION PTY LIMITED

COSTEAN LOGGING SHEET

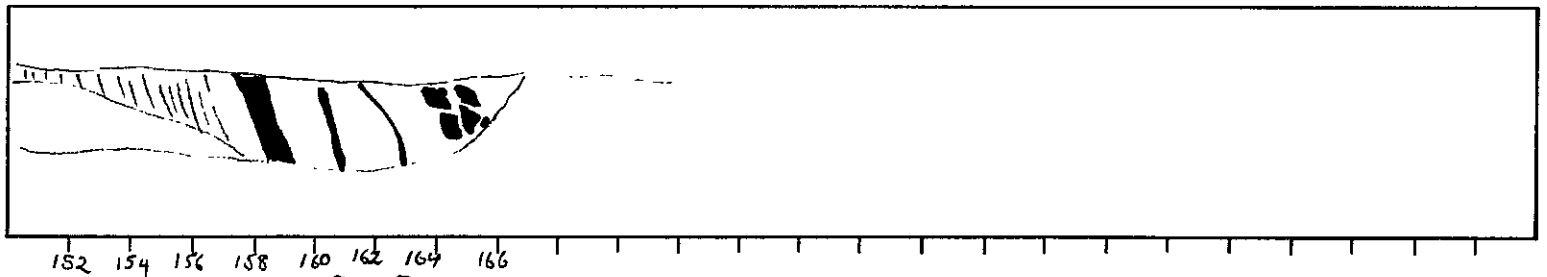
Project: Mt Shoobridge **Date:** 18/8/90

Prospect: PYROMORPHITE **Scale:** 1 : 250

Costean: ST 5 **Sample No** 254224 **to** 254231 **Page** 4 **of** 4

Az

SECTION



metres

Au (ppm)

0.03 0.11 0.12 0.12 0.08 0.13 0.10 0.06

As (ppm)

QUARTZ VEINS

Bedding Pll																							
Cleavage Pll																							
Ladder																							
Stockwork																							
Other					BG	BG	BG	UG															

ALTERATION

RGC EXPLORATION PTY LIMITED