

**ANNUAL AND FINAL REPORT
WYENA
EL 20/2000
07/10/01 to 06/10/01**

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ABSTRACT

A series of discontinuous, narrow, gold-bearing veins extends east-northeast from the Lebrina mine, near Wyena, for approximately 600 metres. The veins are hosted in Mathinna Group fine to medium grained sandstones, of Siluro-Devonian age.

Extensive trenching was carried out at the East Lebrina prospect, some 500 metres east-northeast of the Lebrina mine and four RC holes for a total of 226 metres were drilled into the East Lebrina Reef, a 10 to 20 cm wide quartz vein. Although the reef returned gold values of up to 100 g/t from trench sampling, the drilling results were very disappointing with a best assay of 4 metres at 0.14 g/t. One hole was drilled into a sub-parallel vein 20 metres south of the East Lebrina Reef and all assays were below detection.

At the Lebrina mine, five holes were drilled into the Lebrina Reef and again the results were very disappointing. The best result was 1 metre at 1.75 g/t.

At the Blue Gums prospect, a large plantation area to the north of the Lebrina and East Lebrina areas, five RC holes were drilled into various targets. Results were again disappointing with a best return of 4 metres at 0.54 g/t.

Based on the results achieved during this program, it would appear that the veins in the Lebrina area are too narrow and the gold mineralisation too patchy to warrant further investigation.

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1.0 INTRODUCTION

1.1 Exploration rationale and geological setting

In terms of regional geology the prospect falls within the Eastern Tasmanian Terrane, which is the southernmost Australian expression of the Lachlan Fold Belt. In northeastern Tasmania, the oldest rocks are a succession of turbiditic quartzwackes and pelites, which range in age from early Ordovician to early Devonian, the Mathinna Group. Regional deformation in the early Devonian produced NNW trending folds within the Mathinna Group and regional very low-grade regional metamorphism. Mathinna Group rocks were intruded by NNW- to N-oriented composite granitoid batholiths during three phases from the early to the late Devonian period. Flat-lying sediments of the late Carboniferous/Early Permian to Triassic Parmeener Supergroup unconformably overlie both the Mathinna Group sediments and the Devonian granitoids. Thick sheets of Jurassic dolerite intrude the Parmeener Supergroup rocks. Areas of Tertiary basalt are scattered through the northeast and in some areas have significantly changed pre-existing drainages. Tertiary sediments are widespread in the lower relief northern parts of the northeast. Quaternary alluvium occurs in river valleys, and on the coastal plains, windblown sands blanket much of the bedrock. Talus deposits are locally significant in some areas of more rugged relief. Primary gold mineralisation occurred during the early to middle Devonian period.

Gold mineralisation occurs in several different styles in northeast Tasmania, and the Wyena prospect area is prospective for the first two styles, mentioned below. The different styles are:

Auriferous quartz-rich veins hosted by Mathinna Group sediments.

The vast majority of deposits are of this style. Veins vary in length up to 2,000 metres and may be as wide as 7 metres. Mined grades fall in the range of 15 to 30 g/t, but may be much higher. Vein style mineralisation occurs in two main orientations, NNW or bedding parallel and ENE.

Disseminated within sandstone

This style of mineralisation may be associated with silicification and disseminated sulphides in porous sandstones, with auriferous quartz veins absent. This style of mineralisation is reported from the nearby Denison, Golconda, Lisle and Panama fields and offers the possibility for high tonnage, low-grade deposits amenable to open pitting.

Granitoid-hosted.

The Golconda-Panama area, near the Lisle field, produced about 2,000 ounces of primary gold at an average grade of about 14 g/t from narrow veins hosted within granodiorite. The granodiorites at the Lisle include magnetite series granites, which are considered to be more favourable to gold mineralisation than more felsic types. The possibility of disseminated gold mineralisation within the roof zone of fractionated, high K, I-type biotite granites exists within north-east Tasmania, as similar rocks host this style of mineralisation at Timbarra, in northern NSW.

Alluvial and placer deposits.

The largest alluvial field is located within the nearby Lisle valley, and produced about 320,000 ounces of gold. Gold was present in both alluvium and elluvium, in possible lacustrine sediments and within carbonaceous horizons underlying talus. Deposits are also known from Tertiary sub-basaltic deep leads.

EL 20/2000 occupies ground surrounding the old Lebrina gold mine near Wyena. The existence of old workings and the recent work done by Anglo Australian Resources indicated that the vein systems present in the area of the Lebrina mine and to the east-northeast may have potential for a small-scale gold mining operation. The exploration carried out during the reporting period was aimed at assessing this potential.

1.2 Tenement details

The exploration licence was granted to Mr. Frank Bardenhagen on 7/10/2000 and covers an area of 15 square kilometres.

1.3 Location

Exploration Licence 20/2000 "Wyena" is located in Tasmania's northeast, approximately 35 kilometres northeast of Launceston.

1.4 Access

There is very good access to the licence area via all-weather forestry roads and good four-wheel drive tracks.

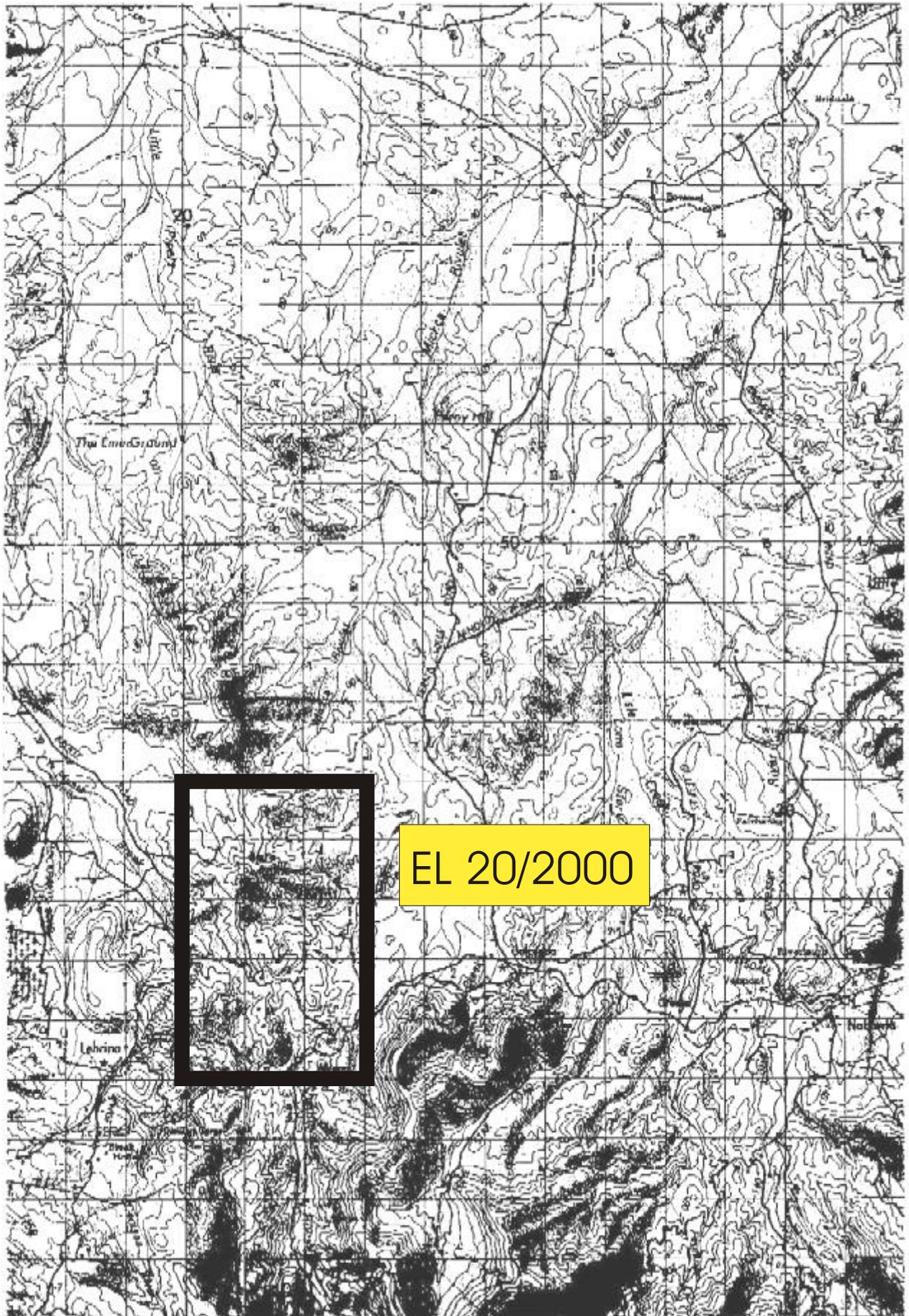
1.5 Land Status/Usage

The tenement lies within one of the Strategic Prospectivity Zones, which have been introduced by Tasmanian government legislation to significantly reduce the level of sovereign risk for the mining and mineral exploration industries and to guarantee resource security. The area covered by EL 20/200 is comprised of private land and State Forest. All ground within the licence area is available for exploration.

1.6 Topography and Vegetation

The licence area is comprised of private farmland and private and state forest. The forest is relatively open eucalypt forest with scrubby gullies and recently established pine and eucalypt plantations. The licence area has moderate topographic relief.

Figure 1 E.L. 20/2000 location map.
From Tasmap 1:100 000 Topographic Map Series – Pipers sheet)



2.0 REVIEW OF PREVIOUS WORK

2.1 Historical Mining

The Lebrina mine was operated from 1909 until 1916, when financial troubles arose. The mine produced 1.2 kilograms (40 ounces) of gold from 200 tonnes of ore at an average grade of 6 g/t and, according to Nye (1924), the final parcel of 11 tonnes of ore taken from the mine assayed at 15 g/t. The following description is summarised from Nye (1924) and Reid (1926). A main quartz reef (Lebrina Reef) of 0.1 to 0.6 metres width is contained in blue slate and sandstone, striking 050° and with dips varying from high to the southeast to high to the northwest. The reef was proven over a strike length of 183 metres to a depth of 30 metres, and was opened in two adits and a 30 metre deep shaft. At the end of the longer adit (200 metres), the reef is offset approximately 6 metres by a 1 metre wide, 310° trending quartz reef (Splitters Reef), barren except for a narrow, central, gold-bearing veinlet. Another 310° trending reef (East Reef) is a quartz-veined quartzite formation up to 2 metres wide containing a rich, 3 centimetre wide stringer. East Reef terminates the main reef to the east.

Numerous other reefs are reported to occur over a strike length of 800 metres to the ENE of the Lebrina Reef and represent a parallel but discontinuous mineralised zone. One reef is described as being "...heavily mineralised, the sulphide minerals occurring being arsenopyrite, pyrite, chalcopyrite, and galena in that order of relative abundance."

Drinkwater Creek, a few hundred metres northeast of the mine, produced 1.6 kilograms (50 ounces) of alluvial gold from shallow creek workings, including a small 20 gram nugget.

At Lebrina, there is no evidence of exploration since the Lebrina mine closed in 1914. A contributing factor to exploration inactivity may have been the location of the mine in the wrong place on the Pipers River 1:63360 geological map and the more recent Mineral Deposit Location database (MIRLOCH). Argyle Minerals tried but were unable to locate the mine.

2.2 Recent exploration

Anglo Australian Resources NL conducted exploration in and around the Lebrina mine between 1996 and 1999.

Their work consisted of rock chip sampling in and around the old workings and in a new quarry some 300 metres to the northwest of the Lebrina mine, followed by B-horizon soil sampling on a 25*100 metre grid which extended ENE from the Lebrina mine environs for a distance of about 1000 metres. 274 hand-augered soil samples were collected and assayed for gold and arsenic. Arsenic showed a significant contourable anomaly in the vicinity of the Lebrina mine with another contourable anomaly of lower magnitude centred on a ridge some 400 metres to the northeast. Another small anomaly occurred about 250 metres of the latter. Anomalous gold values occurred in the area of the Lebrina mine and also in the vicinity of Drinkwater Creek, where some alluvial production occurred at about

the time the Lebrina mine was in operation.

A follow-up trenching programme was conducted and two trenches of 25 and 46 metres were excavated. The Lebrina reef was exposed in trench one, close to the shafts and pits associated with the Lebrina mine, and found to be approximately 20 cms wide. A one-metre channel sample returned an assay of 2.06 g/t. A chip sample of the reef assayed at 5.99 g/t. Another quartz vein, that probably represents the eastern extension of the Lebrina reef, was exposed in trench two, approximately 150 metres east-northeast of the Lebrina mine, and returned a one-metre channel sample of 1.95 g/t.

Apart from a little further rock chip sampling no more work was done.

3.0 EXPLORATION COMPLETED DURING THE REPORT PERIOD

3.1 Summary of work carried out.

Trenching was carried out in the vicinity of some old workings at East Lebrina (figures 2 and 3). Five trenches were excavated around the most significant workings (T1, T2, T3, T5, T6), coincident with elevated arsenic values from the Anglo Australian Resources (AAR) soil sampling program. Another trench (T4) was excavated about 200 metre to the northwest to test another small arsenic anomaly from the AAR soil sampling program. T7 was dug at the request of the licence holder. A total of seven trenches were excavated in the East Lebrina area. Approximately 250 metres of trenching were carried out at East Lebrina. The siting and orientation of the trenches was under the direction of the licence holder.

Another four trenches (T8, T9, T10, T11) were excavated on the SW side of Drinkwater Creek to test for the presence of mineralised quartz veins between East Lebrina and the Lebrina mine (figure 2). Approximately 100 metres of trenching were carried out west between Drinkwater Creek and the Lebrina mine, also under the direction of the licence holder.

In the vicinity of the Lebrina mine, the trench previously dug by AAR was re-excavated and some more digging was done in this area to ascertain the location and orientation of the reef prior to drilling.

At East Lebrina (figure 4; appendix 1), four RC holes for a total of 174 metres were drilled into the East Lebrina reef. One 52 metre hole was drilled into a sub-parallel vein, approximately 30 metres southeast of the East Lebrina reef.

At Lebrina (figures 5 and 6; appendix 1), five RC holes for a total 276 metres, were drilled into the Lebrina reef.

At the Blue Gums Prospect, five RC holes for a total of 256 metres were drilled in to various targets as determined by the licence holder

3.2 Summary of results.

Trenching in the East Lebrina area centred around the East Lebrina reef. Trench 1 was dug along the reef, which strikes at 080° and samples were taken at various intervals (Appendix 2). Wallrock adjacent to the reef was also sampled. The reef ranges in width from 10 to 40 cms, averaging about 15-20cms. The reef is approximately 40 metres long and dips to the north at about 80°. The reef pinches out to the east, near where an old trench is located. To the west, the reef bifurcates and becomes attenuated within a prominent bed of very silicified sandstone/quartzite. The reef is comprised of very sulphidic grey quartz and contains abundant pyrite and arsenopyrite with lesser chalcopyrite and galena. Samples taken from the reef indicate that the gold content is quite variable with samples assaying from 2.2 to 105 g/t gold. Wallrock mineralisation is variable and ranges from 0.09 g/t up to 3.4 g/t gold for two metre samples adjacent to the reef.

Trench 2 was dug to the west of the reef and did not intersect any significant mineralisation, with a maximum of 0.06 g/t gold for a two metre sample.

Trench 3 was dug to the southeast of the East Lebrina reef and it intersected a sub-parallel vein of grey sulphidic quartz trending 065° and dipping northwest at about 60°. The vein ranges in width from between 10 and 20 cms and contains pyrite and arsenopyrite. Sampling returned a best assay of 0.4 g/t gold from the vein with up to 0.2 g/t gold from vein-free wallrock.

Trench 6 was dug to intersect the easternmost extent of the East Lebrina reef. A 075° trending, 20 cm wide, vertical buck quartz vein was intersected, approximately 20 m northwest of the East Lebrina reef. A best assay of 0.3 g/t gold was obtained from this vein. The East Lebrina reef was pinched out in the vicinity of Trench 6.

Trench 4 was dug to sample an arsenic anomaly indicated by previous work undertaken by Anglo Australian Resources. A two metre sample of sandstone returned an assay of 1.1 g/t gold.

Trench 5 was dug in the vicinity of a 10 metre deep shaft and encountered a 40 cm buck quartz vein. The quartz vein returned a best assay of 1.1 g/t gold and a two metre trench sample returned an assay of 0.2 g/t gold.

Trench 7 assays were all below detection limit.

Of the four RC holes drilled into the East Lebrina reef ELRC 3, 12 to 16 metres, returned an assay of 0.07 g/t gold (fire assay) and ELRC 5, 36 to 40 metres, returned an assay of 0.14 g/t gold (fire assay). All other assays were around or below detection limit. These results were extremely disappointing. ELRC 1, the hole drilled into the reef to the southeast of the East Lebrina reef returned no assays above detection limit.

Four trenches were excavated in the area west of Drinkwater Creek, between East Lebrina and the Lebrina mine. Trench 8 intersected a 6 cm wide grey, sulphidic quartz vein, which assayed at 17.1 g/t gold. The other trenches returned a best assay of 0.1 g/t gold for a three metre sample.

Some trenching was conducted in the vicinity of the Lebrina mine to help locate the reef so as to better plan the RC drilling program. Samples of the reef were sent for assay and returned values of between 2.2 and 7.3 g/t gold. A couple of samples of battery sands from the site of the old Lebrina battery were assayed and returned values of 0.5 and 1.1 g/t gold.

Of the five RC holes drilled into the Lebrina reef, LRC 2 returned assays of 1.76 g/t gold for 30 to 31 metres, 0.5 g/t for 31 to 32 metres, and 0.1 g/t for 35 to 36 metres. LRC 5 returned an assay of 0.3 g/t for the interval 50 to 51 metres, and 0.13 g/t for 52 to 56 metres. LRC 4 returned an assay of 0.06 g/t gold for the interval 56 to 60 metres. All other assays returned were close to or below detection limit. These results were very disappointing.

The five RC holes drilled in the Blue Gum prospect returned disappointing results. The best hole, FRRC 3, returned assays of 0.47 g/t gold for the interval 12 to 16 metres from quartz-veined sandstone.

Figure 2. Trench location plan.
Scale 1:5,000

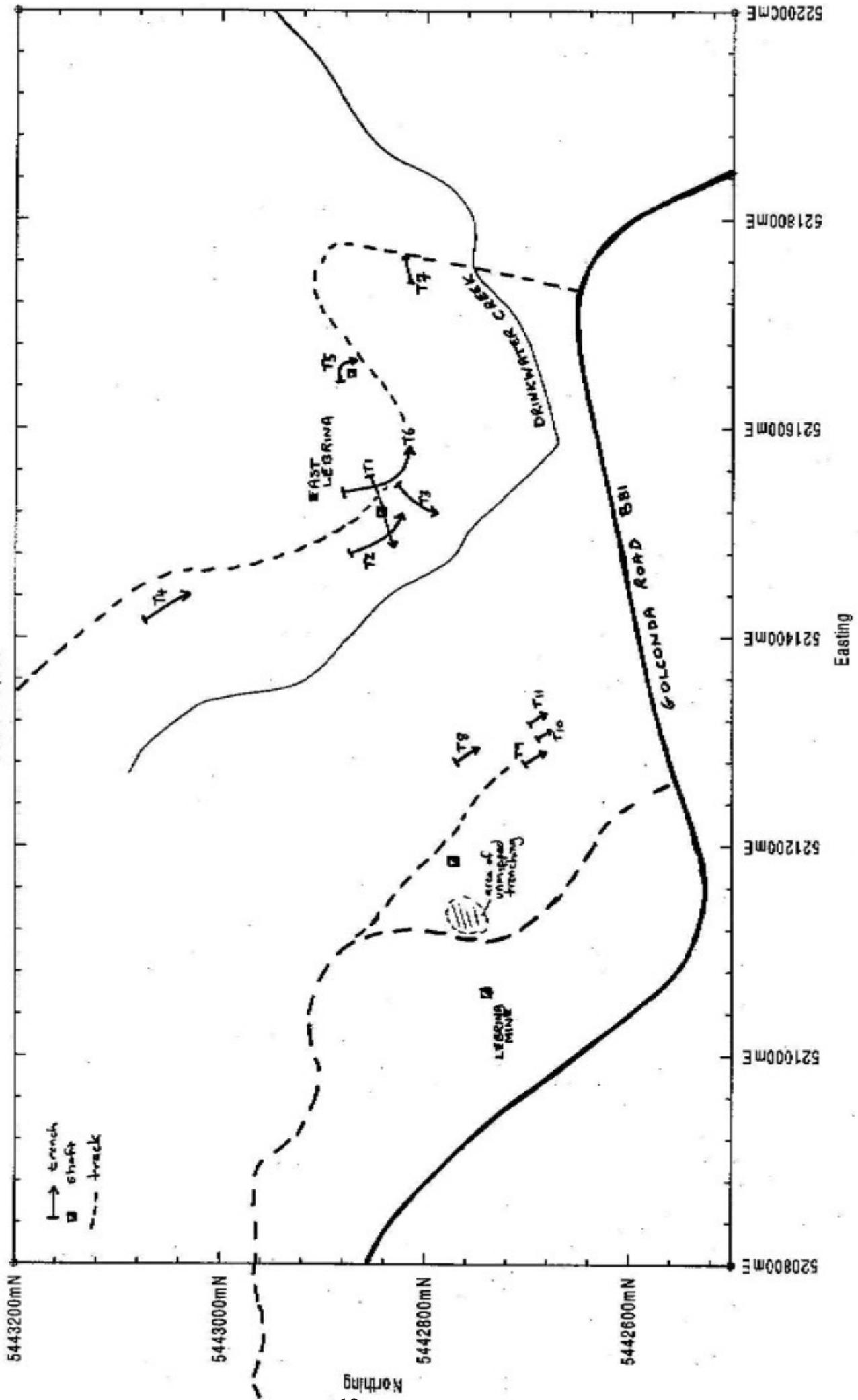


Figure 3. Plan of trenches 1,2,3,5 and 6
Scale 1:1000

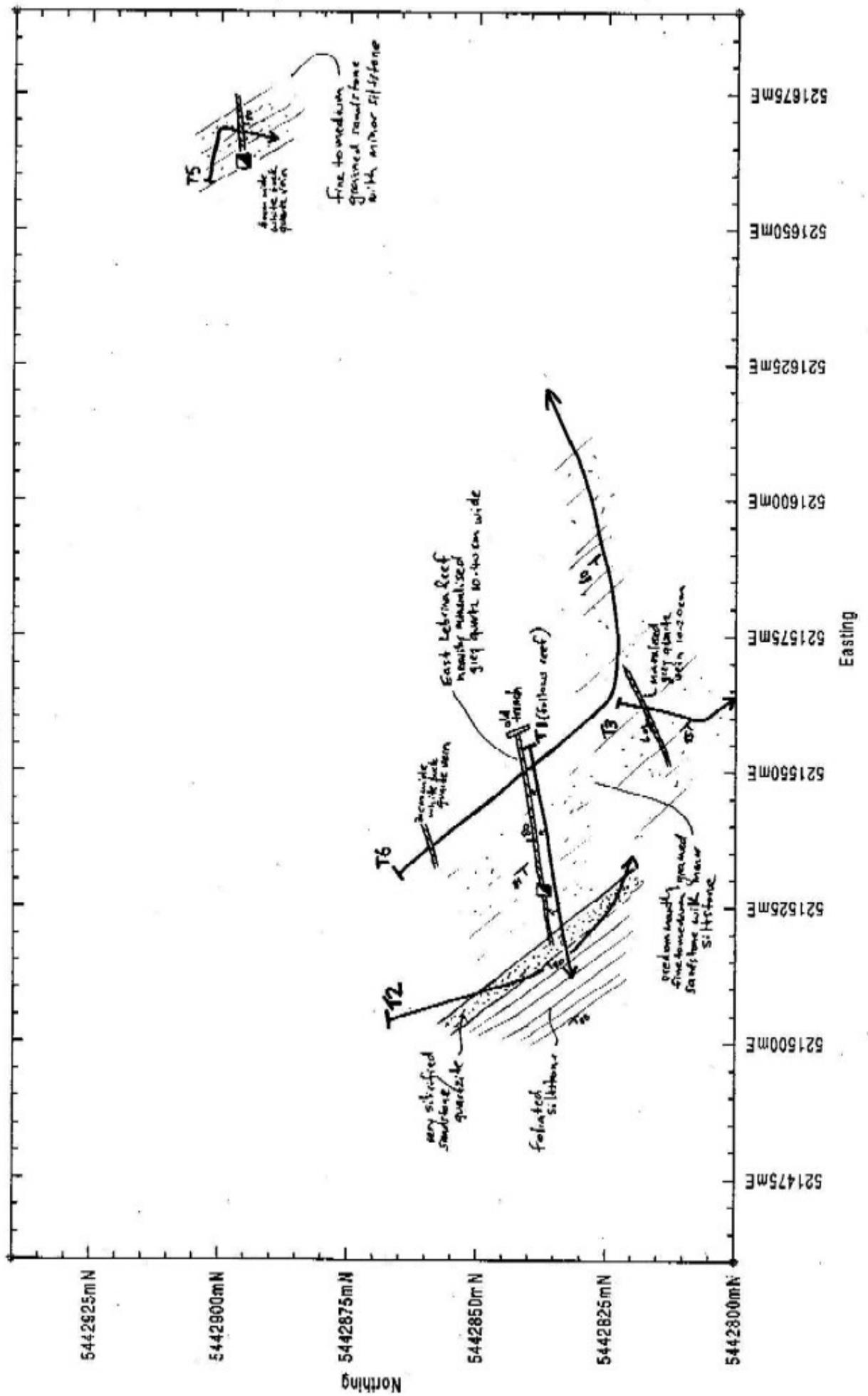


Figure 4. Location of RC drill holes at East Lebrina.
Scale 1:500

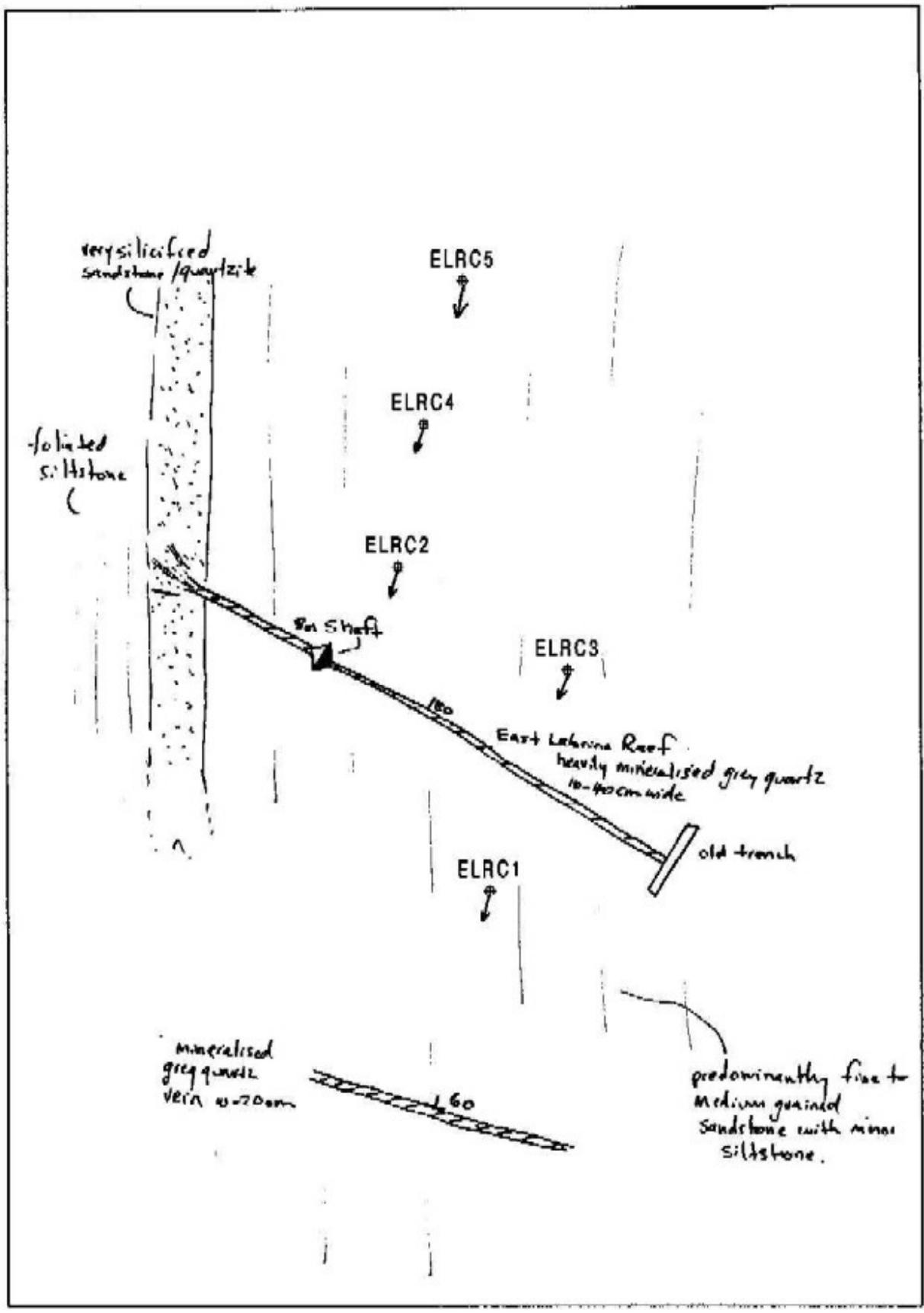


Figure 5. Drill collar location plan – Lebrina Mine.
Scale 1:500

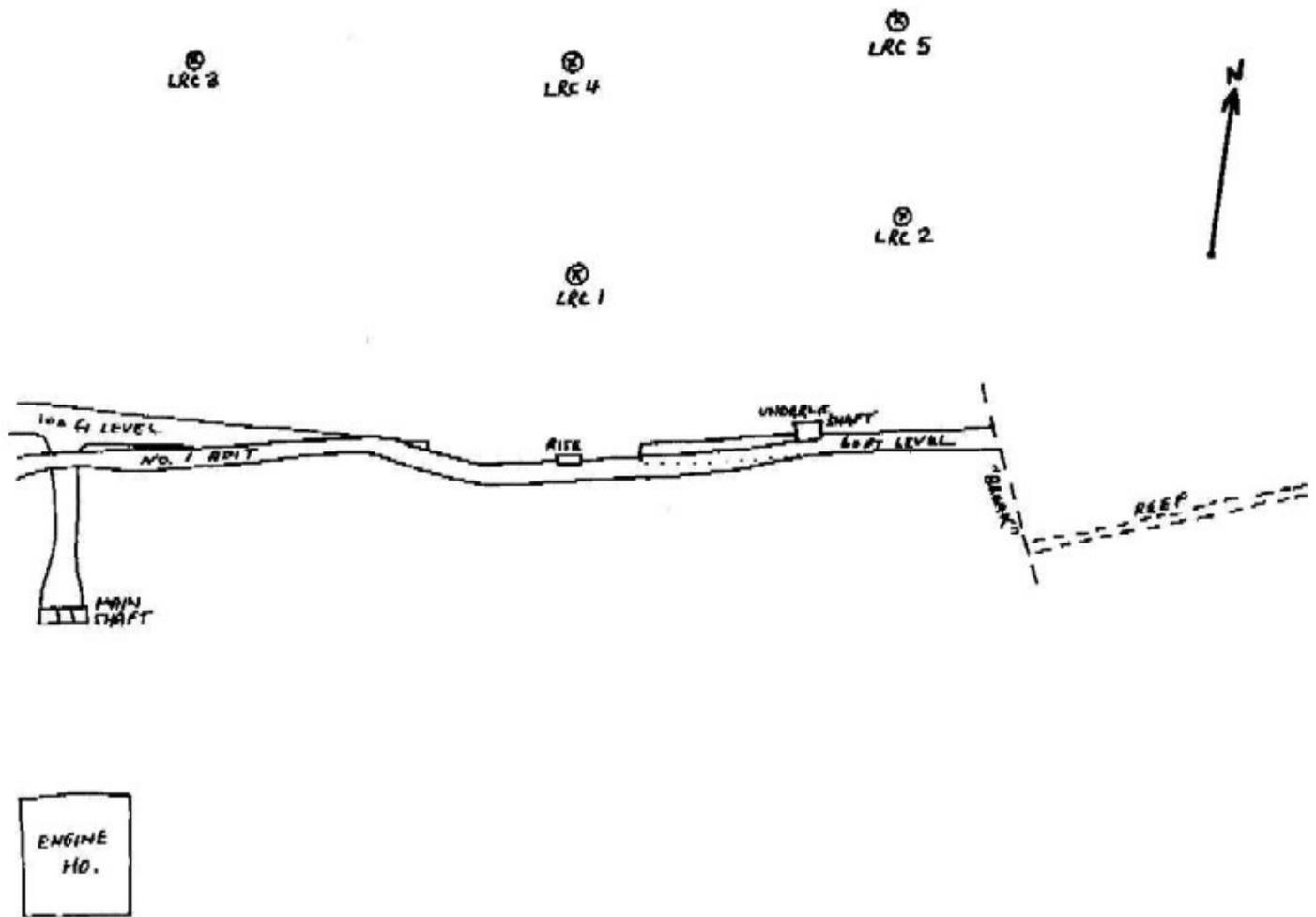


Figure 6. Long-section of part of Lebrina Mine showing proposed drill hole intercepts Scale 1:500

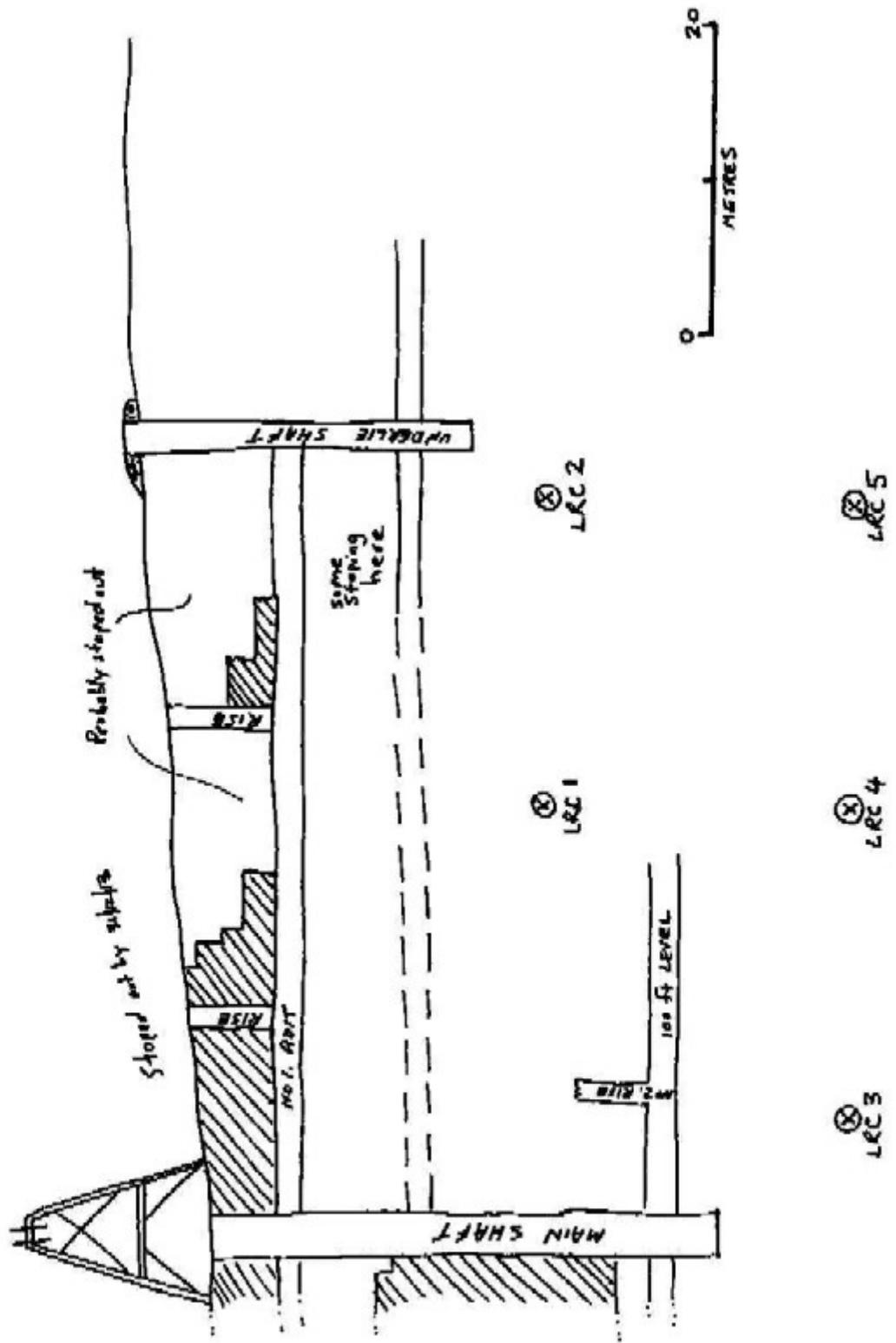
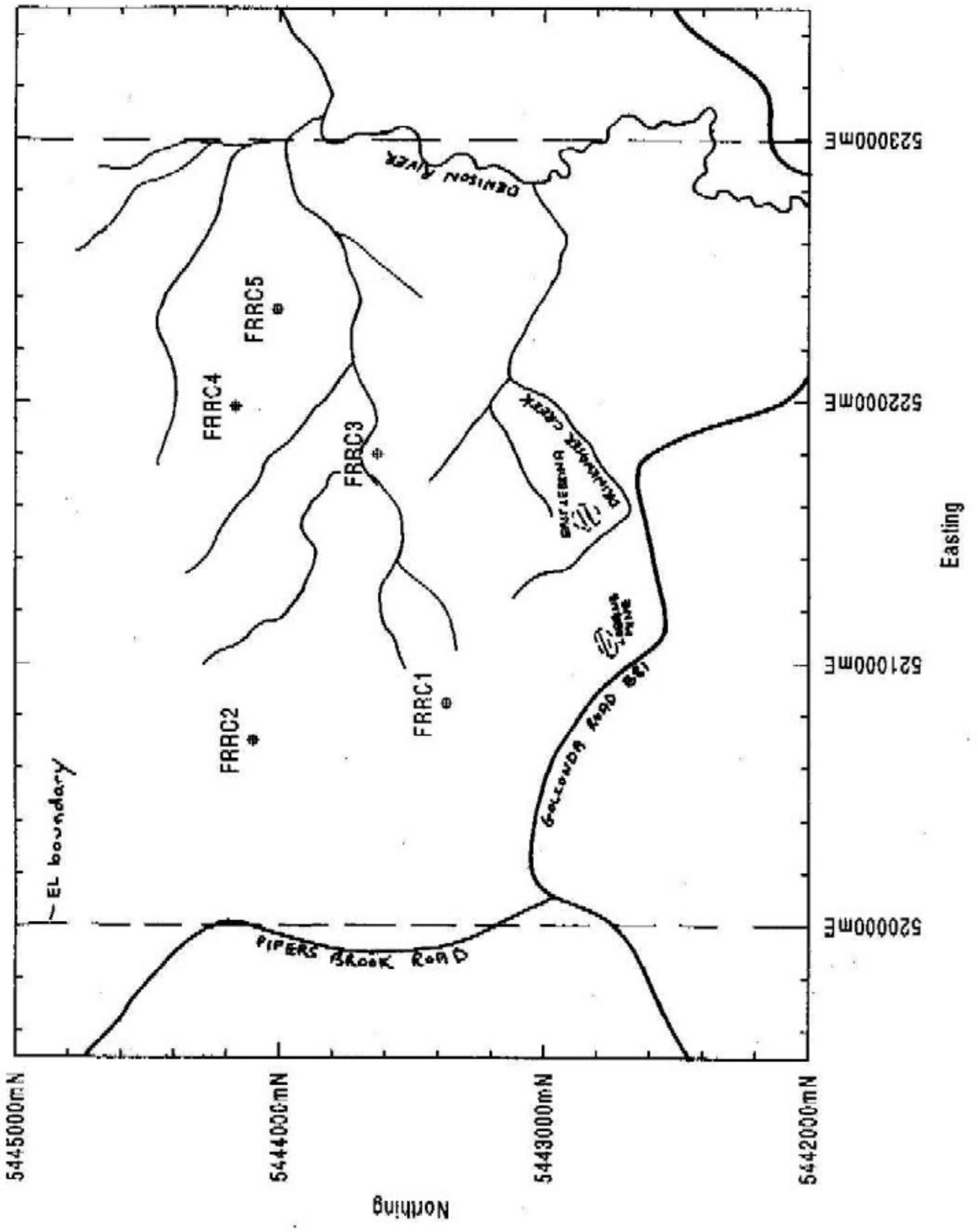


Figure 7. Location of RC drill holes at the Blue Gums Prospect
 Scale 1:25000



4.0 DISCUSSION/CONCLUSIONS

Approximately 350 metres of trenching were excavated and 758 metres of RC drilling completed during exploration at Wyena.

Sampling from trenches at East Lebrina indicated that the veins, although narrow and patchily mineralised with respect to gold, had some potential for being developed by a small-scale operation. The results from the RC drilling program, however, showed that the mineralisation is too weak and patchy to warrant any further work.

Likewise, the RC drilling at the Lebrina reef also showed that the mineralisation was too weak and patchy to warrant any further work.

The RC drilling in the Blue Gums prospect was of a true exploratory nature and although one hole intersected gold-bearing quartz veins in sandstone, the mineralisation was too weak to warrant further drilling.

It appears that the veins in this area are too narrow and discontinuous to warrant pursuing with further exploration.

5.0 ENVIRONMENT

All trenches described in this report have been rehabilitated.

Drill pads at East Lebrina have also been rehabilitated.

No drill pads were constructed for the drilling at the Blue Gums prospect.

The drill pads constructed in the Lebrina mine area were not rehabilitated. These were constructed on private land and the landowner did not wish them to be rehabilitated as he intends clearing the land at some future stage.

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Appendix 1

RC drilling log sheets

Abbreviations

SS - sandstone; SZ - shale; fl - foliated; sil(ic) - silicified
fg - fine-grained; mg - medium grained; cg - coarse grained
wk - weak(ly); tr - trace; min - minor; mod - moderate(ly)
v - very; pyr - pyrite; arsen - arsenopyrite; dissem - disseminated;
x - below detection limit of 0.01ppm

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: Lebrina Reef Hole No: LRC1 Co-ordinates: 521060mE 5442785mN

Azimuth/Angle: 158M/62.5 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 15/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz rubble				0.02	LBRC01
1	2	grey silic mgSS/qtz	minor silic				LBRC01
2	3	qtz, milky					LBRC01
3	4	brown mgSS > qtz			minor Fe-oxidation		LBRC01
4	5	brown mgSS > qtz	minor silic		moderate Fe-ox	x	LBRC02
5	6	brown mgSS	mod. silic		moderate Fe-ox		LBRC02
6	7	brown mgSS	mod. silic	abun. cg mica	moderate Fe-ox		LBRC02
7	8	fSZ grey-bone			clay-rich		LBRC02
8	9	mgSS red-brown	mod. silic	minor cg mica	mod. Fe-ox	x	LBRC03
9	10	fSZ grey-bone			clay-rich		LBRC03
10	11	fSZ grey-bone			clay-rich		LBRC03
11	12	cg-mgSS red-brown/milky qtz			moderate Fe-ox		LBRC03
12	13	milky qtz				x	LBRC04
13	14	cg-mgSS red-brown	mod. silic	abun. cg mica	moderate Fe-ox		LBRC04
14	15	fSZ grey-bone					LBRC04
15	16	brown mgSS/qtz	mod. silic	minor cg mica	veinlets		LBRC04
16	17	fSZ grey-bone/qtz			qtz - Fe-ox	x	LBRC05
17	18	fSZ grey-bone					LBRC05
18	19	qtz/dk grey cgSS					LBRC05
19	20	dk grey fSZ/qtz					LBRC05

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC1</u>		Co-ordinates: <u>521060mE 5442785mN</u>	
Azimuth/Angle: <u>158M/62.5</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u>	
						Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	dk grey mgSS/qtz	mod. silic			x	LBRC70
21	22	grey qtz					LBRC70
22	23	grey f1SZ/brown mgSS					LBRC70
23	24	tan mgSS/dk grey qtz					LBRC70
24	25	grey f1SZ/brown mgSS/grey qtz			oxidised above ~25 metres	x	LBRC62
25	26	grey f1SZ/brown mgSS/grey qtz			unoxidised below ~ 25 metres	x	LBRC63
26	27	dk grey f1SZ-fgSS/qtz				x	LBRC64
27	28	qtz/green silic SS/dk grey f1SZ	SS v silic			x	LBRC65
28	29	grey f1SZ/green-brn silic. SS/qtz	SS v silic		dissem pyrite in SS - 5%	x	LBRC66
29	30	black f1SZ/grey mgSS			dissem pyrite in SS - 5%	x	LBRC67
30	31	dk grey mgcgSS	mod. silic		dissem pyrite in SS - 5%	x	LBRC68
31	32	grey mgSS > black f1SZ	mod. silic			x	LBRC69
32	33	dk grey mgSS				x	LBRC06
33	34	black f1SZ/dk grey mgSS					LBRC06
34	35	dk grey mgSS					LBRC06
35	36	grey-green mgSS			minor cg mica		LBRC06
36	37	grey-green mgSS			abun cg mica	0.02	LBRC07
37	38	grey-green mgSS					LBRC07
38	39	grey-green mgSS/ milky qtz			trace dissem pyrite in SS		LBRC07
39	40	grey-green mgSS/ milky qtz			trace dissem pyrite in SS		LBRC07

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: Lebrina Reef		Hole No: LRC2		Co-ordinates: 521079.4mE 5442792.2mN	
Azimuth/Angle: 158M/64		Depth: 0-20m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
						Date: 15/2/01	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz/brown fmgSS			mostly qtz	x	LBRC25
1	2	qtz/brown fmgSS					LBRC25
2	3	grey fSZ > brown fmgSS			SS - Fe-ox		LBRC25
3	4	brown fmgSS > grey fSZ			SS - Fe-ox		LBRC25
4	5	brown fmgSS			SS - Fe-ox	x	LBRC26
5	6	brown fmgSS			SS - Fe-ox		LBRC26
6	7	bone fgSS/qtz					LBRC26
7	8	bone-grey fSZ			very weathered and clay-rich		LBRC26
8	9	bone-grey fSZ			very weathered and clay-rich	x	LBRC27
9	10	brown fmgSS/white qtz					LBRC27
10	11	brown fmgSS/white qtz					LBRC27
11	12	bone to salmon brown fSZ-ggSS			SS - very Fe-ox		LBRC27
12	13	red-brown fmgSS/qtz			SS - very Fe-ox	x	LBRC28
13	14	red-brown fmgSS			SS - very Fe-ox		LBRC28
14	15	red-brown fmgSS/qtz			SS - very Fe-ox		LBRC28
15	16	red-brown fmgSS/qtz			SS - very Fe-ox		LBRC28
16	17	red-brown fmgSS	mod silic	abun mg/cg mica	SS - very Fe-ox	x	LBRC29
17	18	red-brown fmgSS	mod silic		SS - very Fe-ox		LBRC29
18	19	red-brown mgSS			SS - very Fe-ox		LBRC29
19	20	red-brown mgSS			SS - very Fe-ox		LBRC29

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC2</u>		Co-ordinates: <u>521079.4mE 5442792.2mN</u>	
Azimuth/Angle: <u>158M/64</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	greyfISZ/bone-brown fmgSS				x	LBRC30
21	22	greyfISZ/bone-brown fmgSS					LBRC30
22	23	brown-grey fISZ-mgSS	~ bleached		some veining		LBRC30
23	24	brown-grey fISZ-mgSS	~ bleached		some veining		LBRC30
24	25	brown-grey fISZ-mgSS	~ bleached		some veining	x	LBRC31
25	26	brown-grey fISZ-mgSS	~ bleached		some veining		LBRC31
26	27	brown-grey fISZ-mgSS	~ bleached		some veining		LBRC31
27	28	brown-grey fISZ-mgSS	~ bleached		some veining		LBRC31
28	29	dk grey fISZ				x	LBRC32
29	30	brown fmgSS/qtz			moderate Fe-ox	x	LBRC33
30	31	brown mgSS/greyqtz		5% pyr & arspyr	the Lebrina reef	1.75	LBRC34
31	32	brown mgSS/greyqtz		5% pyr & arspyr	the Lebrina reef	0.45	LBRC35
32	33	brown fmgSS/qtz			strong Fe-ox, some qtz veining in SS	0.02	LBRC36
33	34	red-brown fmgSS	v silic		strong Fe-ox	0.02	LBRC37
34	35	greyfISZ/brown mgSS			moderate Fe-ox in SS	x	LBRC38
35	36	brown fmgSS/white qtz			moderate Fe-ox in SS	0.29	LBRC39
36	37	grey fmgSS/dk grey fISZ/qtz				x	LBRC40
37	38	grey fmgSS/dk grey fISZ/qtz					LBRC40
38	39	grey fmgSS/dk grey fISZ/qtz					LBRC40
39	40	grey-green mgSS/qtz	bleached/mod silic				LBRC40

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC3</u>		Co-ordinates: <u>521031mE 5442789mN</u>	
Azimuth/Angle: <u>158M/64</u>		Depth: <u>0-20m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R.Fulton</u> Date: <u>16/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	fill				x	LBRC71
1	2	qtz-clay					LBRC71
2	3	yellow-brown and white qtz					LBRC71
3	4	yellow-brown and white qtz					LBRC71
4	5	yellow-brown and white qtz				x	LBRC72
5	6	yellow-brown and white qtz					LBRC72
6	7	qtz/yellow-brown f1SZ-fgSS					LBRC72
7	8	qtz/yellow-brown f1SZ-fgSS					LBRC72
8	9	yellow-brown qtz				x	LBRC73
9	10	dk grey f1SZ			Start of bedrock??		LBRC73
10	11	dk grey f1SZ/brown fgSS					LBRC73
11	12	brown fgmGSS/qtz					LBRC73
12	13	dk grey f1SZ				x	LBRC74
13	14	dk grey f1SZ/brown mgSS		abun. fg mica	moderate Fe-ox - SS		LBRC74
14	15	dk grey f1SZ/brown mgSS	mod silicSS				LBRC74
15	16	dk grey f1SZ/brown mgSS					LBRC74
16	17	dk grey f1SZ/brown mgSS	mod silicSS			x	LBRC75
17	18	dk grey f1SZ/brown mgSS			moderate Fe-ox - SS		LBRC75
18	19	dk grey f1SZ/brown mgSS			moderate Fe-ox - SS		LBRC75
19	20	dk grey f1SZ/brown mgSS			moderate Fe-ox - SS		LBRC75

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC3</u>		Co-ordinates: <u>521031mE 5442789mN</u>	
Azimuth/Angle: <u>158M/64</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>16/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	brown fmgSS/grey fISZ			oxidation boundary at ~ 21 metres	x	LBRC76
21	22	grey fmgSS/dk grey fISZ			oxidation boundary at ~ 21 metres		LBRC76
22	23	grey fmgSS					LBRC76
23	24	grey fmgSS					LBRC76
24	25	grey mgSS/qtz				x	LBRC77
25	26	grey mgSS/qtz					LBRC77
26	27	grey mgSS/qtz					LBRC77
27	28	grey mgSS/qtz					LBRC77
28	29	grey mgSS/qtz				x	LBRC78
29	30	grey mgSS/qtz			significant water in hole below 30 metres		LBRC78
30	31	grey mgSS/qtz					LBRC78
31	32	grey mgSS/qtz					LBRC78
32	33	grey mgSS/qtz				x	LBRC79
33	34	grey mgSS/qtz					LBRC79
34	35	grey mgSS/qtz		trace dissemin pyr			LBRC79
35	36	grey mgSS/qtz					LBRC79
36	37	grey mgSS/qtz				x	LBRC80
37	38	grey fmgSS/dk grey fISZ					LBRC80
38	39	grey fmgSS/dk grey fISZ		trace dissemin pyr			LBRC80
39	40	grey fmgSS/dk grey fISZ					LBRC80

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC3</u>		Co-ordinates: <u>521031mE 5442789mN</u>	
Azimuth/Angle: <u>158M/64</u>		Depth: <u>40-60m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u>	
						Date: <u>16/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	dk grey f1SZ/qtz					LBRC81
41	42	dk grey f1SZ/qtz					LBRC81
42	43	grey fgmGSS/black f1SZ					LBRC81
43	44	grey fgmGSS/black f1SZ					LBRC81
44	45	grey fgmGSS/black f1SZ				x	LBRC82
45	46	grey fgmGSS/qtz					LBRC82
46	47	grey fgmGSS					LBRC82
47	48	grey fgmGSS					LBRC82
48	49	grey fgmGSS				x	LBRC83
49	50	grey fgmGSS			trace green qtz		LBRC83
50	51	lt grey fgmGSS		min. dissemin pyr	trace green qtz		LBRC83
51	52	lt grey mgSS					LBRC83
52	53	lt grey mgSS				x	LBRC84
53	54	lt grey mgSS					LBRC84
54	55	lt grey mgSS					LBRC84
55	56	lt grey mgSS					LBRC84
56	57	lt grey mgSS					
57	58	lt grey mgSS					
58	59	lt grey mgSS			EOH - too wet		
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: Lebrina Reef Hole No: LRC4 Co-ordinates: 521054mE 5442799mN
 Azimuth/Angle: 158M/62 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 15/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	tan clay			v clay -rich	x	LBRC08
1	2	tan clay			v clay -rich		LBRC08
2	3	tan clay/qtz			v clay -rich		LBRC08
3	4	yellow-brown fgSS-clay			v clay -rich		LBRC08
4	5	brown fgmGSS	wk silic		moderate Fe-ox	x	LBRC09
5	6	brown fgmGSS			moderate Fe-ox, min qtz veining in SS		LBRC09
6	7	bone-brown mgSS			moderate Fe-ox, min qtz veining in SS		LBRC09
7	8	bone-brown mgSS			moderate Fe-ox, min qtz veining in SS		LBRC09
8	9	brown mgSS	mod silic		moderate Fe-ox	x	LBRC10
9	10	brown mgSS			moderate Fe-ox		LBRC10
10	11	brown fgmGSS/qtz/grey flSZ			moderate Fe-ox in SS		LBRC10
11	12	brown mgSS		min mg mica	moderate Fe-ox		LBRC10
12	13	brown mgSS/grey flSZ				x	LBRC11
13	14	brown mgSS	mod silic		moderate Fe-ox		LBRC11
14	15	bone fgmGSS					LBRC11
15	16	brown fgmGSS	wk silic		moderate Fe-ox		LBRC11
16	17	brown fgmGSS			moderate Fe-ox	x	LBRC12
17	18	brown fgmGSS			moderate Fe-ox		LBRC12
18	19	qtz >> brown fgmGSS			moderate Fe-ox - qtz & SS		LBRC12
19	20	qtz >> brown fgmGSS			moderate Fe-ox - qtz & SS		LBRC12

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC4</u>		Co-ordinates: <u>521054mE 5442799mN</u>	
Azimuth/Angle: <u>158M/62</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u>	
						Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	qtz >> brown fmgSS			moderate Fe-ox - qtz & SS	x	LBRC13
21	22	qtz >> brown fmgSS			moderate Fe-ox - qtz & SS		LBRC13
22	23	brown mgSS/grey f1SZ/qtz					LBRC13
23	24	brown mgSS/grey f1SZ					LBRC13
24	25	dk grey f1SZ				x	LBRC14
25	26	dk grey f1SZ/brown fgSS			moderate Fe-ox - SS		LBRC14
26	27	dk grey f1SZ/brown fgSS/qtz					LBRC14
27	28	dk grey f1SZ/grey fgSS					LBRC14
28	29	dk grey f1SZ/grey mgSS				x	LBRC15
29	30	dk grey f1SZ/grey mgSS					LBRC15
30	31	grey-brown mgSS/qtz					LBRC15
31	32	grey-brown mgSS/dk grey f1SZ/qtz					LBRC15
32	33	grey-brown mgSS/dk grey f1SZ/qtz				x	LBRC16
33	34	grey-brown mgSS/dk grey f1SZ/qtz					LBRC16
34	35	grey mgSS/dk grey f1SZ					LBRC16
35	36	grey mgSS/dk grey f1SZ					LBRC16
36	37	grey-brown mgSS				x	LBRC17
37	38	grey-brown mgSS/dk grey f1SZ					LBRC17
38	39	grey-red-brown mgSS			SS partly Fe-ox		LBRC17
39	40	grey mgSS		trace pyrite	oxidation boundary at about 39 metres		LBRC17

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC4</u>		Co-ordinates: <u>521054mE 5442799mN</u>	
Azimuth/Angle: <u>158M/62</u>		Depth: <u>40-60m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey mgSS/dk grey fISZ				x	LBRC18
41	42	dk grey mgSS					LBRC18
42	43	dk grey-grey fgmgSS	mod silic	5% dissemin pyr			LBRC18
43	44	dk grey-grey fgmgSS	mod silic	5% dissemin pyr	quartz veining		LBRC18
44	45	dk grey-grey fgmgSS	mod silic	5% dissemin pyr	quartz veining	x	LBRC19
45	46	dk grey-grey fgmgSS	mod silic	5% dissemin pyr			LBRC19
46	47	grey mgSS		trace pyrite			LBRC19
47	48	grey mgSS		trace pyrite			LBRC19
48	49	dk grey fISZ/grey mgSS				x	LBRC20
49	50	grey mgSS/qtz					LBRC20
50	51	dk grey mgSS/fISZ		5% dissemin pyr			LBRC20
51	52	grey mgSS		trace pyrite	trace green quartz		LBRC20
52	53	grey mgSS				x	LBRC21
53	54	grey mgSS		5% dissemin pyr			LBRC21
54	55	grey fgmgSS/dk grey fISZ	v silic SS	trace pyrite			LBRC21
55	56	dk grey mgSS	v silic SS	5% dissemin pyr			LBRC21
56	57	dk grey mgSS		5% dissemin pyr		0.18	LBRC22
57	58	grey mgcgSS		5% dissemin pyr	trace green quartz		LBRC22
58	59	grey mgSS/qtz	wk silic	5% dissemin pyr	trace green quartz		LBRC22
59	60	grey mgcgSS		5% dissemin pyr			LBRC22

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC4</u>		Co-ordinates: <u>521054mE 5442799mN</u>	
Azimuth/Angle: <u>158M/62</u>		Depth: <u>60-68m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
60	61	black flSZ		5% disseminated pyr		x	LBRC23
61	62	dk grey mgSS		5% disseminated pyr			LBRC23
62	63	grey mgSS/qtz		5% disseminated pyr			LBRC23
63	64	grey mgSS/qtz	mod silic	5% disseminated pyr			LBRC23
64	65	grey mgSS/qtz		5% disseminated pyr		x	LBRC24
65	66	grey mgSS/qtz		5% disseminated pyr			LBRC24
66	67	grey mgSS		5% disseminated pyr			LBRC24
67	68	grey mgSS		5% disseminated pyr	EOH		LBRC24
68	69						
69	70						
70	71						
71	72						
72	73						
73	74						
74	75						
75	76						
76	77						
77	78						
78	79						
79	80						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: Lebrina Reef Hole No: LRC5 Co-ordinates: 521074mE 5442809mN

Azimuth/Angle: 158M/60 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 15/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz-clay				x	LBRC41
1	2	qtz-clay					LBRC41
2	3	yellow-brown mgSS					LBRC41
3	4	yellow-brown mgSS					LBRC41
4	5	brown fgmGSS/qtz				x	LBRC42
5	6	brown fgmGSS/qtz					LBRC42
6	7	brown mgSS					LBRC42
7	8	brown mgSS					LBRC42
8	9	brown mgSS/fe-ox qtz			abundant qtz	x	LBRC43
9	10	brown mgSS/fe-ox qtz			abundant qtz		LBRC43
10	11	brown mgSS/fe-ox qtz			abundant qtz		LBRC43
11	12	brown mgSS/fe-ox qtz			abundant qtz		LBRC43
12	13	brown mgSS/fe-ox qtz			abundant qtz	x	LBRC44
13	14	dk grey fISZ/brown fgmGSS/qtz					LBRC44
14	15	grey fgmGSS/qtz			abundant qtz		LBRC44
15	16	grey fgmGSS/qtz			abundant qtz		LBRC44
16	17	grey fgmGSS/qtz			abundant qtz	x	LBRC45
17	18	grey fgmGSS/qtz			abundant qtz		LBRC45
18	19	qtz			all qtz		LBRC45
19	20	grey-bone fISZ/qtz			clay rich		LBRC45

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC5</u>		Co-ordinates: <u>521074mE 5442809mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	grey-brown fgmGSS/qtz	mod silic		abundant qtz	x	LBRC46
21	22	grey-brown fgmGSS/qtz	bleached		abundant qtz		LBRC46
22	23	dk grey flSZ/qtz			abundant qtz		LBRC46
23	24	milky qtz			all qtz		LBRC46
24	25	milky qtz			all qtz	x	LBRC47
25	26	dk grey fgmGSS/qtz	mod silic SS				LBRC47
26	27	grey-brown flSZ-fgmGSS			oxidation boundary at about 27 metres		LBRC47
27	28	black flSZ/dk grey fgSS/qtz			oxidation boundary at about 27 metres		LBRC47
28	29	grey fgmGSS				x	LBRC48
29	30	grey fgmGSS					LBRC48
30	31	grey fgmGSS					LBRC48
31	32	grey fgmGSS		5% dissemin pyr			LBRC48
32	33	grey fgmGSS/qtz		5% dissemin pyr	very abundant qtz	x	LBRC49
33	34	grey fgmGSS/qtz			very abundant qtz		LBRC49
34	35	dk grey flSZ/grey fgSS/qtz			abundant qtz		LBRC49
35	36	dk grey flSZ/grey fgSS/qtz			abundant qtz		LBRC49
36	37	bone mgSS/fe-ox qtz				x	LBRC50
37	38	bone mgSS/fe-ox qtz	SS bleached				LBRC50
38	39	brown-grey fgmGSS/qtz					LBRC50
39	40	grey flSZ-mgSS					LBRC50

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC5</u>		Co-ordinates: <u>521074mE 5442809mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>40-60m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fgmGSS		5% disseminated pyr		x	LBRC51
41	42	grey fgmGSS		5% disseminated pyr			LBRC51
42	43	grey fgmGSS					LBRC51
43	44	grey fgmGSS		5% disseminated pyr			LBRC51
44	45	grey fgmGSS/qtz		mod mg mica	abundant qtz	x	LBRC52
45	46	grey fgmGSS/qtz		mod mg mica	abundant qtz		LBRC52
46	47	grey fgmGSS/qtz			abundant qtz		LBRC52
47	48	grey fgmGSS/qtz			abundant qtz		LBRC52
48	49	grey fgmGSS/qtz	~ bleached		abundant qtz	x	LBRC53
49	50	grey fgmGSS/qtz	~ bleached		abundant qtz		LBRC54
50	51	grey fgmGSS/qtz		5% disseminated pyr	abundant qtz, the Lebrina reef?	0.3	LBRC55
51	52	grey mgSS/qtz		5% disseminated pyr	abundant qtz, the Lebrina reef?	0.1	LBRC56
52	53	grey mgSS/qtz				0.18	LBRC57
53	54	grey mgSS/qtz			abundant qtz		LBRC57
54	55	dk grey f1SZ/grey fgmGSS/qtz		trace pyrite	abundant qtz		LBRC57
55	56	dk grey f1SZ/grey fgmGSS/qtz					LBRC57
56	57	dk grey f1SZ/grey fgmGSS		trace pyrite		x	LBRC58
57	58	dk grey f1SZ/grey fgmGSS		trace pyrite			LBRC58
58	59	dk grey f1SZ/grey fgmGSS		trace pyrite			LBRC58
59	60	dk grey f1SZ/grey fgmGSS		trace pyrite			LBRC58

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Lebrina Reef</u>		Hole No: <u>LRC5</u>		Co-ordinates: <u>521074mE 5442809mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>60-80m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>15/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
60	61	dk grey f1SZ/grey fmgSS				x	LBRC59
61	62	dk grey f1SZ/grey fmgSS					LBRC59
62	63	dk grey f1SZ/grey fmgSS	mod silic				LBRC59
63	64	dk grey f1SZ/grey fmgSS					LBRC59
64	65	dk grey f1SZ/grey fmgSS				x	LBRC60
65	66	dk grey f1SZ/grey fmgSS					LBRC60
66	67	dk grey f1SZ/grey fmgSS					LBRC60
67	68	dk grey f1SZ/grey fmgSS					LBRC60
68	69	dk grey f1SZ/grey fmgSS				x	LBRC61
69	70	dk grey f1SZ/grey fmgSS					LBRC61
70	71	dk grey f1SZ/grey fmgSS					LBRC61
71	72	dk grey f1SZ/grey fmgSS			EOH		LBRC61
72	73						
73	74						
74	75						
75	76						
76	77						
77	78						
78	79						
79	80						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: East Lebrina Hole No: ELRC1 Co-ordinates: 521543mE 5442822mN

Azimuth/Angle: 135M/60 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 16/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz rubble				x	ELRC01
1	2	qtz/brown fgmSS	mod silic SS				ELRC01
2	3	qtz/brown fgmSS					ELRC01
3	4	brown fgmSS					ELRC01
4	5	grey fISZ/brown fgmSS				x	ELRC02
5	6	brown fgmSS					ELRC02
6	7	brown fgmSS					ELRC02
7	8	yellow brown fgmSS/grey fISZ		abun mg mica			ELRC02
8	9	yellow brown fgmSS/grey fISZ		abun mg mica		x	ELRC03
9	10	yellow brown fgmSS/grey fISZ		abun mg mica			ELRC03
10	11	brown fgmSS		abun mg mica			ELRC03
11	12	brown fgmSS		abun mg mica			ELRC03
12	13	brown fgmSS	mod silic	abun mg mica	minor qtz	x	ELRC04
13	14	brown fgmSS	mod silic	abun mg mica	minor qtz		ELRC04
14	15	grey fISZ					ELRC04
15	16	grey fISZ					ELRC04
16	17	grey fISZ				x	ELRC05
17	18	grey fISZ					ELRC05
18	19	grey fISZ					ELRC05
19	20	grey fISZ					ELRC05

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC1</u>		Co-ordinates: <u>521543mE 5442822mN</u>	
Azimuth/Angle: <u>135M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>16/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	brown fmgSS				x	ELRC06
21	22	grey-brown mgSS			mostly unoxidised		ELRC06
22	23	grey-brown fmgSS/white qtz			abundant qtz		ELRC06
23	24	grey-brown mgSS	minor silic		trace qtz		ELRC06
24	25	grey-brown mgSS/white qtz			abundant qtz	x	ELRC07
25	26	grey-brown mgSS	mod silic	4mm grey qtz vn	oxidation boundary at about 26 metres		ELRC07
26	27	grey mgSS	mod silic		oxidation boundary at about 26 metres		ELRC07
27	28	grey mgSS	mod silic	trace pyrite in vn			ELRC07
28	29	grey mgSS	mod silic		increasing water in hole	x	ELRC08
29	30	grey mgSS	mod silic				ELRC08
30	31	grey mgSS	mod silic				ELRC08
31	32	grey mgSS	mod silic				ELRC08
32	33	grey mgSS	mod silic			x	ELRC09
33	34	grey mgSS	mod silic				ELRC09
34	35	grey mgSS	mod silic				ELRC09
35	36	grey mgSS	mod silic				ELRC09
36	37	grey mgSS	mod silic			x	ELRC10
37	38	grey mgSS	mod silic				ELRC10
38	39	grey mgSS	mod silic				ELRC10
39	40	grey mgSS	mod silic				ELRC10

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC1</u>		Co-ordinates: <u>521543mE 5442822mN</u>	
Azimuth/Angle: <u>135M/60</u>		Depth: <u>40-52m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>16/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey mgSS	mod silic			x	ELRC11
41	42	grey mgSS	mod silic				ELRC11
42	43	dk grey fgmGSS					ELRC11
43	44	dk grey fgmGSS					ELRC11
44	45	grey mgSS				x	ELRC12
45	46	grey mgSS	mod silic				ELRC12
46	47	grey mgSS	strong silic				ELRC12
47	48	grey mgSS	strong silic				ELRC12
48	49	grey mgSS	strong silic			x	ELRC13
49	50	grey mgSS	strong silic				ELRC13
50	51	grey mgSS	strong silic				ELRC13
51	52	grey mgSS	strong silic		EOH		ELRC13
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: East Lebrina Hole No: ELRC2 Co-ordinates: 521540mE 5442847mN

Azimuth/Angle: 158M/60 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 17/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	brown fgmGSS				x	ELRC27
1	2	brown fgmGSS	minor silic				ELRC27
2	3	brown fgmGSS/grey fISZ					ELRC27
3	4	brown fgmGSS/grey fISZ					ELRC27
4	5	brown fgSS		abun mg mica		x	ELRC28
5	6	grey-brown fISZ			very clay rich		ELRC28
6	7	brown fgmGSS					ELRC28
7	8	brown fgmGSS					ELRC28
8	9	brown fgmGSS				x	ELRC29
9	10	grey-brown fISZ			very clay rich		ELRC29
10	11	grey-brown fISZ			very clay rich		ELRC29
11	12	grey-brown fISZ					ELRC29
12	13	grey-brown fISZ			puggy clay	x	ELRC30
13	14	grey-brown fISZ			puggy clay		ELRC30
14	15	grey fISZ/brown fgmGSS					ELRC30
15	16	grey fISZ/brown fgmGSS					ELRC30
16	17	brown fgmGSS/grey qtz		sulphidic qtz	the East Lebrina vein	x	ELRC31
17	18	brown fgmGSS/grey qtz/grey fISZ		sulphidic qtz	the East Lebrina vein		ELRC31
18	19	grey-brown fgmGSS			trace qtz		ELRC31
19	20	grey-brown fgmGSS			trace qtz		ELRC31

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC2</u>		Co-ordinates: <u>521540mE 5442846.8mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>20-24m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	grey-brown fmgSS		abun cg mica		x	ELRC32
21	22	grey-brown fmgSS-flSZ					ELRC32
22	23	grey fmgSS/white qtz					ELRC32
23	24	grey fmgSS			EOH		ELRC32
24	25						
25	26						
26	27						
27	28						
28	29						
29	30						
30	31						
31	32						
32	33						
33	34						
34	35						
35	36						
36	37						
37	38						
38	39						
39	40						

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC3</u>		Co-ordinates: <u>521553mE 5442839mN</u>	
Azimuth/Angle: <u>135M/60</u>		Depth: <u>0-20m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz, clay rubble				0.01	ELRC14
1	2	grey fISZ/brown fmgSS					ELRC14
2	3	grey fISZ/brown fmgSS					ELRC14
3	4	grey fISZ/brown fmgSS					ELRC14
4	5	brown mgSS	minor silic			x	ELRC15
5	6	brown-grey fmgSS					ELRC15
6	7	brown fmgSS			abun qtz		ELRC15
7	8	brown fmgSS	strong silic				ELRC15
8	9	brown fmgSS	mod silic			0.01/x	ELRC16
9	10	brown fmgSS			abun qtz		ELRC16
10	11	brown fmgSS/grey fISZ					ELRC16
11	12	brown fmgSS/grey fISZ					ELRC16
12	13	brown fmgSS/grey fISZ				0.07	ELRC17
13	14	brown fmgSS/grey fISZ					ELRC17
14	15	brown mgSS/grey qtz	mod silic	sulphidic qtz	the East Lebrina vein		ELRC17
15	16	brown mgSS/grey qtz	mod silic	sulphidic qtz	the East Lebrina vein		ELRC17
16	17	brown fmgSS	mod silic			x	ELRC18
17	18	brown fmgSS	mod silic				ELRC18
18	19	brown fmgSS	mod silic				ELRC18
19	20	brown fmgSS	mod silic				ELRC18

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC3</u>		Co-ordinates: <u>521553mE 5442839mN</u>	
Azimuth/Angle: <u>135M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	brown fgmGSS	minor silic			x	ELRC19
21	22	brown fgmGSS	minor silic				ELRC19
22	23	grey-brown fgmGSS					ELRC19
23	24	grey-brown fgmGSS					ELRC19
24	25	grey-brown fgmGSS				x	ELRC20
25	26	grey-brown fgmGSS					ELRC20
26	27	grey fgmGSS					ELRC20
27	28	grey fgmGSS					ELRC20
28	29	brown mgSS/white-grey qtz			qtz veining in SS, abundant qtz	x	ELRC21
29	30	brown mgSS/white-grey qtz			qtz veining in SS, abundant qtz		ELRC21
30	31	grey mgSS/black flSZ			oxidation boundary about here		ELRC21
31	32	grey mgSS			some flSZ clasts in SS		ELRC21
32	33	grey mgSS				x	ELRC22
33	34	grey mgSS					ELRC22
34	35	grey mgSS					ELRC22
35	36	grey mgSS					ELRC22
36	37	grey mgSS				x	ELRC23
37	38	grey mgSS					ELRC23
38	39	grey mgSS					ELRC23
39	40	grey mgSS					ELRC23

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: East Lebrina		Hole No: ELRC3		Co-ordinates: 521553mE 5442839mN	
Azimuth/Angle: 135M/60		Depth: 40-52m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
Date: 17/2/01							
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey mgSS >> black flSZ				x	ELRC24
41	42	grey mgSS					ELRC24
42	43	grey mgSS					ELRC24
43	44	grey mgSS					ELRC24
44	45	grey mgSS		5% disseminated pyrite		x	ELRC25
45	46	grey fgmSS					ELRC25
46	47	grey fgmSS/dk grey flSZ					ELRC25
47	48	grey fgmSS					ELRC25
48	49	grey mgSS-fgSS			moderate qtz veining in SS	x	ELRC26
49	50	grey mgSS-fgSS					ELRC26
50	51	grey mgSS-fgSS					ELRC26
51	52	grey mgSS-fgSS			EOH		ELRC26
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: East Lebrina Hole No: ELRC4 Co-ordinates: 521541mE 5442858mN

Azimuth/Angle: 158M/60 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 17/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz, clay				x	ELRC33
1	2	brown fgSS-flSZ					ELRC33
2	3	brown fgSS-flSZ					ELRC33
3	4	brown fgmGSS					ELRC33
4	5	brown fgmGSS/white qtz			abundant milky qtz	x	ELRC34
5	6	brown fgmGSS/white qtz			abundant milky qtz		ELRC34
6	7	brown fgmGSS					ELRC34
7	8	brown fgmGSS					ELRC34
8	9	brown fgmGSS				x	ELRC35
9	10	brown fgmGSS/grey flSZ					ELRC35
10	11	brown fgmGSS/grey flSZ					ELRC35
11	12	brown fgmGSS/grey flSZ					ELRC35
12	13	brown fgmGSS				x	ELRC36
13	14	brown fgmGSS	minor silic				ELRC36
14	15	grey-brown fgSS-flSZ					ELRC36
15	16	grey-brown fgSS-flSZ					ELRC36
16	17	grey-brown fgSS-flSZ				x	ELRC37
17	18	grey fgSS-flSZ					ELRC37
18	19	grey fgSS					ELRC37
19	20	grey fgSS					ELRC37

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC4</u>		Co-ordinates: <u>521541mE 5442858mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	grey fgSS				x	ELRC38
21	22	grey fgSS					ELRC38
22	23	grey fgmGSS					ELRC38
23	24	grey fgmGSS					ELRC38
24	25	grey fgmGSS/black fSZ				x	ELRC39
25	26	grey fgmGSS/black fSZ					ELRC39
26	27	grey fgmGSS/black fSZ					ELRC39
27	28	grey fgmGSS/fe-ox white qtz		vcg pyrite in qtz	the East Lebrina vein?		ELRC39
28	29	grey fgmGSS				x	ELRC40
29	30	grey fgmGSS/black fSZ					ELRC40
30	31	grey fgmGSS/black fSZ					ELRC40
31	32	grey fgmGSS					ELRC40
32	33	grey fgmGSS/black fSZ				x	ELRC41
33	34	grey fgmGSS/black fSZ					ELRC41
34	35	grey fgmGSS/black fSZ					ELRC41
35	36	grey fgmGSS					ELRC41
36	37	grey fgmGSS				x	ELRC42
37	38	grey fgmGSS					ELRC42
38	39	grey fgmGSS					ELRC42
39	40	grey fgmGSS					ELRC42

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC4</u>		Co-ordinates: <u>521541mE 5442858mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>40-42m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fgmgSS				x	ELRC24
41	42	grey fgmgSS			EOH		ELRC24
42	43						
43	44						
44	45						
45	46						
46	47						
47	48						
48	49						
49	50						
50	51						
51	52						
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC5</u>		Co-ordinates: <u>521543mE 5442869mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>0-20m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	brown fgSS				x	ELRC44
1	2	brown fgmGSS					ELRC44
2	3	brown fgSS-flSZ					ELRC44
3	4	brown fgSS					ELRC44
4	5	brown fgmGSS				x	ELRC45
5	6	brown fgmGSS/black flSZ					ELRC45
6	7	brown fgmGSS/black flSZ					ELRC45
7	8	brown fgmGSS/black flSZ					ELRC45
8	9	brown fgmGSS				x	ELRC46
9	10	brown fgmGSS					ELRC46
10	11	brown fgmGSS					ELRC46
11	12	brown fgmGSS			moderately abundant qtz		ELRC46
12	13	brown fgmGSS				x	ELRC47
13	14	brown fgmGSS					ELRC47
14	15	brown fgmGSS/grey flSZ					ELRC47
15	16	brown fgmGSS					ELRC47
16	17	brown fgmGSS				x	ELRC48
17	18	brown fgmGSS					ELRC48
18	19	brown mgSS/white qtz			abundant qtz		ELRC48
19	20	brown fgmGSS					ELRC48

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC5</u>		Co-ordinates: <u>521543mE 5442869mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	brown fgmSS/grey fISZ				x	ELRC49
21	22	brown fgmSS/grey fISZ					ELRC49
22	23	brown-grey fgmSS					ELRC49
23	24	grey fgmSS					ELRC49
24	25	grey fgmSS			oxidation boundary about here?	x	ELRC50
25	26	white qtz (fe-ox)			all qtz		ELRC50
26	27	white qtz (fe-ox)			all qtz		ELRC50
27	28	grey mgSS			trace qtz		ELRC50
28	29	grey mgSS			trace qtz	x	ELRC51
29	30	grey mgSS			trace qtz		ELRC51
30	31	grey mgSS			trace qtz		ELRC51
31	32	grey mgSS			trace qtz		ELRC51
32	33	grey mgSS				x	ELRC52
33	34	grey mgSS					ELRC52
34	35	grey mgSS					ELRC52
35	36	grey mgSS					ELRC52
36	37	grey mgSS				0.14	ELRC53
37	38	grey mgSS					ELRC53
38	39	grey mgSS					ELRC53
39	40	grey mgSS			moderately abundant qtz		ELRC53

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: <u>East Lebrina</u>		Hole No: <u>ELRC5</u>		Co-ordinates: <u>521543mE 5442869mN</u>	
Azimuth/Angle: <u>158M/60</u>		Depth: <u>40-52m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>17/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fgmGSS/black fSZ				x	ELRC54
41	42	grey fgmGSS/black fSZ					ELRC54
42	43	grey fgmGSS/black fSZ					ELRC54
43	44	grey fgmGSS/black fSZ					ELRC54
44	45	grey fgmGSS/black fSZ				0.02	ELRC55
45	46	grey fgmGSS/black fSZ					ELRC55
46	47	grey fgmGSS/black fSZ					ELRC55
47	48	grey fgmGSS/black fSZ					ELRC55
48	49	grey fgmGSS/black fSZ				0.01	ELRC56
49	50	grey fgmGSS/black fSZ					ELRC56
50	51	grey fgmGSS/black fSZ					ELRC56
51	52	grey fgmGSS/black fSZ			EOH		ELRC56
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: Blue Gums Hole No: FRRC1 Co-ordinates: 520849mE 5443368mN

Azimuth/Angle: 214M/60 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 18/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz, clay				x	0-4
1	2	qtz, clay					0-4
2	3	brown-grey f1SZ			clay-rich		0-4
3	4	brown-grey f1SZ			clay-rich		0-4
4	5	brown-grey f1SZ/brown fgmGSS				x	4-8
5	6	brown-grey f1SZ/brown fgmGSS					4-8
6	7	brown-grey f1SZ/brown fgmGSS					4-8
7	8	brown fgmGSS/white qtz	strong silic		abundant qtz		4-8
8	9	white qtz			all qtz	x	8-12
9	10	brown fgmGSS/dk grey f1SZ			qbandant qtz		8-12
10	11	dk grey f1SZ					8-12
11	12	brown-grey fgmGSS	mod silic	minor mg mica			8-12
12	13	brown-grey fgmGSS	mod silic	minor mg mica		x	12-16
13	14	brown-grey fgmGSS	mod silic	minor mg mica			12-16
14	15	brown-grey fgmGSS/dk grey f1SZ					12-16
15	16	brown-grey fgmGSS/dk grey f1SZ					12-16
16	17	brown-grey fgmGSS			trace qtz	x	16-20
17	18	brown-grey fgmGSS			trace qtz		16-20
18	19	brown-grey fgmGSS					16-20
19	20	brown-grey fgmGSS					16-20

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC1</u>		Co-ordinates: <u>520849mE 5443368mN</u>	
Azimuth/Angle: <u>214M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>18/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	brown-grey fgmSS/dk grey flSZ				x	20-24
21	22	brown-grey fgmSS/dk grey flSZ					20-24
22	23	brown-grey fgmSS/dk grey flSZ					20-24
23	24	brown-grey fgmSS/dk grey flSZ					20-24
24	25	grey fgmSS/dk grey flSZ		mod mica -SS	oxidation boundary about here	x	24-28
25	26	grey fgmSS/dk grey flSZ		mod mica -SS			24-28
26	27	grey fgmSS/dk grey flSZ		mod mica -SS			24-28
27	28	grey mgSS/white qtz			abundant qtz		24-28
28	29	grey mgSS				x	28-32
29	30	grey fgmSS/dk grey flSZ					28-32
30	31	grey fgmSS/dk grey flSZ					28-32
31	32	grey fgmSS/dk grey flSZ					28-32
32	33	grey fgmSS		trace dissemin pyr		x	32-36
33	34	grey fgmSS		trace dissemin pyr			32-36
34	35	grey fgmSS		trace dissemin pyr			32-36
35	36	grey fgmSS					32-36
36	37	grey fgmSS/dk grey flSZ		minor mg mica		x	36-40
37	38	grey fgmSS		minor mg mica			36-40
38	39	grey fgmSS/dk grey flSZ		mod mg mica			36-40
39	40	grey fgmSS/white qtz			moderately abundant qtz		36-40

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: Blue Gums		Hole No: FRRC1		Co-ordinates: 520849mE 5443368mN	
Azimuth/Angle: 214M/60		Depth: 40-48m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
Date: 18/2/01							
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fmgSS		trace dissemin pyr		x	40-44
41	42	grey fmgSS		5% dissemin pyr			40-44
42	43	grey fmgSS		5% dissemin pyr			40-44
43	44	grey fmgSS			abundant qtz		40-44
44	45	grey fmgSS			trace qtz	x	44-48
45	46	grey fmgSS/black fSZ		trace dissemin pyr	increasing water in hole		44-48
46	47	grey fmgSS/black fSZ					44-48
47	48	grey fmgSS/black fSZ			EOH		44-48
48	49						
49	50						
50	51						
51	52						
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000 Prospect: Blue Gums Hole No: FRRC2 Co-ordinates: 520704mE 5444098mN
 Azimuth/Angle: 037M/60 Depth: 0-20m Drilled by: Diamond Drilling Tasmania Logged by: R Fulton Date: 18/2/01

From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	bone-brown mgSS				x	0-4
1	2	bone-brown qtzite	strong silic				0-4
2	3	bone-brown qtzite	strong silic				0-4
3	4	bone-brown qtzite	strong silic				0-4
4	5	brown-yellow mgSS	mod silic		minor qtz	x	4-8
5	6	brown-yellow mgSS	minor silic		minor qtz		4-8
6	7	brown-yellow mgSS	minor silic				4-8
7	8	brown-yellow mgSS	minor silic				4-8
8	9	brown-yellow mgSS	minor silic			x	8-12
9	10	brown-yellow mgSS					8-12
10	11	brown fgmSS/white qtz			abundant qtz		8-12
11	12	brown fgmSS/white qtz		minor fgm mica			8-12
12	13	brown fgmSS		minor fgm mica		x	12-16
13	14	brown fgmSS		minor fgm mica			12-16
14	15	brown fgmSS/qtz			abundant qtz		12-16
15	16	brown fgmSS					12-16
16	17	brown fgmSS			trace qtz	x	16-20
17	18	brown fgmSS			trace qtz		16-20
18	19	brown fgmSS					16-20
19	20	brown fgmSS					16-20

COMPANY: FRANK BARDENHAGEN

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Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC2</u>		Co-ordinates: <u>520704mE 5444098mN</u>	
Azimuth/Angle: <u>037M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>18/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	brown fgmGSS				x	20-24
21	22	brown-grey mgSS					20-24
22	23	brown-grey mgSS/dk grey flSZ		mod fgmG mica			20-24
23	24	brown-grey mgSS/dk grey flSZ		mod fgmG mica			20-24
24	25	brown-grey mgSS/dk grey flSZ		mod fgmG mica		x	24-28
25	26	grey fgmGSS/dk grey flSZ			oxidation boundary about here		24-28
26	27	grey fgmGSS/dk grey flSZ					24-28
27	28	dk grey flSZ					24-28
28	29	dk grey flSZ				x	28-32
29	30	dk grey flSZ					28-32
30	31	dk grey flSZ/grey fgmGSS					28-32
31	32	dk grey flSZ/grey fgmGSS					28-32
32	33	grey fgmGSS	minor silic			x	32-36
33	34	grey fgmGSS	minor silic				32-36
34	35	grey fgmGSS		trace dissemin pyr			32-36
35	36	grey fgmGSS		trace dissemin pyr			32-36
36	37	grey fgmGSS	minor silic	trace dissemin pyr		x	36-40
37	38	grey fgmGSS					36-40
38	39	grey fgmGSS					36-40
39	40	grey fgmGSS					36-40

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC2</u>		Co-ordinates: <u>520704mE 5444098mN</u>	
Azimuth/Angle: <u>037M/60</u>		Depth: <u>40-48m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>18/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fmgSS				x	40-44
41	42	grey fmgSS	mod silic	5% dissemin pyr			40-44
42	43	grey fmgSS	mod silic	5% dissemin pyr			40-44
43	44	grey mgSS/dk grey flSZ					40-44
44	45	grey mgSS/dk grey flSZ				x	44-48
45	46	grey mgSS/dk grey flSZ					44-48
46	47	grey mgSS/dk grey flSZ					44-48
47	48	grey mgSS/dk grey flSZ			EOH		44-48
48	49						
49	50						
50	51						
51	52						
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: Blue Gums		Hole No: FRR3		Co-ordinates: 521800mE 5443630mN	
Azimuth/Angle: 343M/60		Depth: 0-20m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
Date: 19/2/01							
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz				x	0-4
1	2	qtz					0-4
2	3	qtz					0-4
3	4	brown-bone fmgSS					0-4
4	5	brown-bone fmgSS				x	4-8
5	6	brown-bone fmgSS					4-8
6	7	brown-bone fmgSS					4-8
7	8	brown-bone fmgSS					4-8
8	9	brown-bone fmgSS				0.18	8-12
9	10	brown-bone fmgSS					8-12
10	11	brown mgSS/fe-ox qtz	mod sil SS		qtz veining in SS		8-12
11	12	brown mgSS/fe-ox qtz	mod sil SS		qtz veining in SS		8-12
12	13	brown mgSS/fe-ox qtz	mod sil SS		qtz veining in SS	0.54	12-16
13	14	brown mgSS/fe-ox qtz	mod sil SS		qtz veining in SS		12-16
14	15	brown fmgSS/fe-ox qtz	mod sil SS		qtz veining in SS		12-16
15	16	brown fmgSS/fe-ox qtz	mod sil SS		qtz veining in SS		12-16
16	17	brown fmgSS/fe-ox qtz	mod sil SS		qtz veining in SS	0.07	16-20
17	18	brown fmgSS/fe-ox qtz	mod sil SS		qtz veining in SS		16-20
18	19	grey f1SZ/brown mgSS					16-20
19	20	grey f1SZ/brown mgSS					16-20

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC3</u>		Co-ordinates: <u>521800mE 5443630mN</u>	
Azimuth/Angle: <u>343M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>19/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	grey-brown fmgSS				x	20-24
21	22	grey-brown fmgSS					20-24
22	23	grey-brown fmgSS					20-24
23	24	grey-brown fmgSS					20-24
24	25	grey f1SZ/grey-brown fmgSS	mod sil SS			x	24-28
25	26	dk grey f1SZ/grey fmgSS		abun fg mica	oxidation boundary		24-28
26	27	dk grey f1SZ/grey fmgSS		abun fg mica			24-28
27	28	dk grey f1SZ/grey fmgSS		abun fg mica			24-28
28	29	dk grey f1SZ/grey fmgSS				x	28-32
29	30	dk grey f1SZ					28-32
30	31	dk grey f1SZ/grey fmgSS					28-32
31	32	dk grey f1SZ/grey fmgSS			min qtz		28-32
32	33	dk grey f1SZ/grey fmgSS			min qtz	x	32-36
33	34	dk grey f1SZ/grey fmgSS			min qtz		32-36
34	35	dk grey f1SZ/grey fmgSS			min qtz		32-36
35	36	dk grey f1SZ/grey fmgSS					32-36
36	37	dk grey f1SZ/grey fmgSS				x	36-40
37	38	dk grey f1SZ/grey fmgSS					36-40
38	39	dk grey f1SZ/grey fmgSS					36-40
39	40	dk grey f1SZ/grey fmgSS					36-40

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC3</u>		Co-ordinates: <u>521800mE 5443630mN</u>	
Azimuth/Angle: <u>343M/60</u>		Depth: <u>40-48m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>19/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fgmGSS				x	40-44
41	42	grey fgmGSS	mod silic				40-44
42	43	grey fgmGSS	mod silic		abundant qtz		40-44
43	44	grey fgmGSS	mod silic		abundant qtz		40-44
44	45	grey fgmGSS	mod silic		abundant qtz	x	44-48
45	46	grey fgmGSS					44-48
46	47	grey fgmGSS					44-48
47	48	grey fgmGSS			EOH		44-48
48	49						
49	50						
50	51						
51	52						
52	53						
53	54						
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: Blue Gums		Hole No: FRRC4		Co-ordinates: 521981mE 5444165mN	
Azimuth/Angle: 315M/60		Depth: 0-20m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
Date: 19/2/01							
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz rubble				x	0-4
1	2	qtz rubble					0-4
2	3	bone fmgSS					0-4
3	4	bone fmgSS					0-4
4	5	bone fmgSS				x	4-8
5	6	brown-yellow fmgSS/white qtz			abundant qtz		4-8
6	7	brown-yellow fmgSS/white qtz			abundant qtz		4-8
7	8	brown-bone fmgSS					4-8
8	9	brown-bone fmgSS			abun mg mica	x	8-12
9	10	brown-bone fmgSS			abun mg mica		8-12
10	11	brown-bone fmgSS					8-12
11	12	brown-bone fmgSS	mod sil SS				8-12
12	13	brown-bone fmgSS	mod sil SS			x	12-16
13	14	brown-bone fmgSS	mod sil SS				12-16
14	15	brown fmgSS/grey flSZ					12-16
15	16	brown fmgSS/grey flSZ					12-16
16	17	brown fmgSS/grey flSZ				x	16-20
17	18	brown fmgSS/grey flSZ					16-20
18	19	brown fmgSS/grey flSZ					16-20
19	20	brown fmgSS/grey flSZ					16-20

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: Blue Gums		Hole No: FRR4		Co-ordinates: 521981mE 5444165mN	
Azimuth/Angle: 315M/60		Depth: 20-40m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
Date: 19/2/01							
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	grey-brown fgmGSS/white qtz			abun qtz	x	20-24
21	22	grey-brown fgmGSS/white qtz			abun qtz		20-24
22	23	grey-brown fgmGSS/white qtz			abun qtz		20-24
23	24	grey fgmGSS					20-24
24	25	grey fgmGSS	mod silic			x	24-28
25	26	grey fgmGSS	mod silic		oxidation boundary		24-28
26	27	grey fgmGSS	mod silic				24-28
27	28	grey fgmGSS					24-28
28	29	dk grey flSZ				x	28-32
29	30	grey fgmGSS	mod silic				28-32
30	31	dk grey flSZ/grey fgSS					28-32
31	32	grey mgSS/white qtz	mod silic		abundant qtz		28-32
32	33	grey mgSS/white qtz	mod silic		abundant qtz	x	32-36
33	34	grey mgSS		abun mg mica			32-36
34	35	grey mgSS		abun mg mica			32-36
35	36	grey mgSS		abun mg mica			32-36
36	37	grey mgSS				x	36-40
37	38	grey fgmGSS					36-40
38	39	grey fgmGSS					36-40
39	40	grey fgmGSS					36-40

COMPANY: FRANK BARDENHAGEN

Tenement No: 20/2000		Prospect: Blue Gums		Hole No: FRRC4		Co-ordinates: 521981mE 5444165mN	
Azimuth/Angle: 315M/60		Depth: 40-54m		Drilled by: Diamond Drilling Tasmania		Logged by: R Fulton	
Date: 19/2/01							
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	grey fgmgSS				x	40-44
41	42	grey fgmgSS					40-44
42	43	grey mgSS/dk grey flSZ		trace dissemin pyr			40-44
43	44	grey mgSS/dk grey flSZ		trace dissemin pyr			40-44
44	45	grey mgSS/dk grey flSZ		trace dissemin pyr		x	44-48
45	46	grey mgSS/dk grey flSZ		trace dissemin pyr			44-48
46	47	grey mgSS/dk grey flSZ		trace dissemin pyr			44-48
47	48	grey mgSS/dk grey flSZ		trace dissemin pyr			44-48
48	49	grey mgSS	mod silic				
49	50	grey mgSS	mod silic		moderately abundant qtz		
50	51	grey mgSS	mod silic		moderately abundant qtz		
51	52	grey mgSS	mod silic		moderately abundant qtz		
52	53	grey mgSS	mod silic	mod dissemin pyr			
53	54	grey mgSS	mod silic	mod dissemin pyr	EOH		
54	55						
55	56						
56	57						
57	58						
58	59						
59	60						

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC5</u>		Co-ordinates: <u>522349mE 5444006mN</u>	
Azimuth/Angle: <u>165M/60</u>		Depth: <u>0-20m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>20/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
0	1	qtz - clay				0.02	0-4
1	2	yellow-brown f1SZ					0-4
2	3	brown mgSS/white qtz			very abundant qtz		0-4
3	4	white qtz			all qtz		0-4
4	5	grey-brown mgSS/white qtz			very abundant qtz	0.01	4-8
5	6	grey f1SZ/qtz			very abundant qtz		4-8
6	7	grey f1SZ/qtz			abundant qtz		4-8
7	8	white qtz			all qtz		4-8
8	9	white qtz			all qtz	x	8-12
9	10	white qtz			all qtz		8-12
10	11	white qtz			all qtz		8-12
11	12	white qtz/grey f1SZ					8-12
12	13	white qtz/brown fgSS		mod mg mica	SS - strong fe-ox	x	12-16
13	14	white qtz/brown fgSS		mod mg mica	SS - strong fe-ox		12-16
14	15	brown fgmGSS/white qtz		mod mg mica	SS - strong fe-ox		12-16
15	16	brown fgmGSS			SS - strong fe-ox		12-16
16	17	brown fgmGSS/grey f1SZ/pink qtz			abundant qtz	x	16-20
17	18	brown fgmGSS/grey f1SZ/pink qtz			abundant qtz		16-20
18	19	grey-brown fgmGSS					16-20
19	20	grey-brown fgmGSS					16-20

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC5</u>		Co-ordinates: <u>522349mE 5444006mN</u>	
Azimuth/Angle: <u>165M/60</u>		Depth: <u>20-40m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>20/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
20	21	grey fgmGSS		5% disseminated pyrite		x	20-24
21	22	black f1SZ					20-24
22	23	black f1fgSZ/grey mgSS					20-24
23	24	black f1fgSZ/grey mgSS					20-24
24	25	grey mgSS/black f1SZ		mod. mica		x	24-28
25	26	grey mgSS		trace pyrite			24-28
26	27	grey mgSS					24-28
27	28	grey fgmGSS					24-28
28	29	grey fgmGSS				x	28-32
29	30	grey fgmGSS/black f1SZ					28-32
30	31	grey fgmGSS/black f1SZ		5% disseminated pyrite			28-32
31	32	grey mgSS/white qtz			abundant qtz		28-32
32	33	grey mgSS		5% disseminated pyrite		x	32-36
33	34	grey fgmGSS					32-36
34	35	grey fgmGSS		5% disseminated pyrite			32-36
35	36	grey fgSS/dk grey f1SZ		5% disseminated pyrite			32-36
36	37	grey fgSS/dk grey f1SZ				x	36-40
37	38	grey fgSS/dk grey f1SZ					36-40
38	39	grey fgmGSS					36-40
39	40	dk grey f1SZ/grey fgmGSS/qtz		5% disseminated pyrite	abundant qtz, some green		36-40

COMPANY: FRANK BARDENHAGEN

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Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRR05</u>		Co-ordinates: <u>522349mE 5444006mN</u>	
Azimuth/Angle: <u>165M/60</u>		Depth: <u>40-60m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>20/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
40	41	black flSZ		5% dissemin pyr		0.03	40-44
41	42	grey mgSS/white qtz		5% dissemin pyr	very abundant qtz		40-44
42	43	grey mgSS/white qtz		5% dissemin pyr	very abundant qtz		40-44
43	44	grey mgSS/white qtz		5% dissemin pyr	very abundant qtz		40-44
44	45	grey mgSS/white qtz		5% dissemin pyr	very abundant qtz	0.03	44-48
45	46	grey mgSS/white qtz		5% dissemin pyr	very abundant qtz		44-48
46	47	green-grey fgSS/white qtz			abundant qtz		44-48
47	48	green-grey fgSS/white qtz			abundant qtz		44-48
48	49	green-grey fgSS/white qtz			abundant qtz	0.03	48-52
49	50	green-grey fgSS/white qtz		5% dissemin pyr	abundant qtz		48-52
50	51	white qtz/grey fgmgSS		5% dissemin pyr	abundant qtz		48-52
51	52	dk grey flSZ-fgSS/qtz		5% dissemin pyr	abundant qtz		48-52
52	53	dk grey fgmgSS		5% dissemin pyr		x	52-56
53	54	dk grey fgmgSS		5% dissemin pyr			52-56
54	55	dk grey fgmgSS/qtz			abundant qtz		52-56
55	56	grey fgmgSS/qtz			abundant qtz		52-56
56	57	grey fgmgSS/qtz		5% dissemin pyr	abundant qtz	x	56-60
57	58	grey fgmgSS/qtz		5% dissemin pyr	abundant qtz		56-60
58	59	grey fgmgSS-flSZ/qtz			abundant qtz		56-60
59	60	grey fgmgSS-flSZ/qtz			abundant qtz		56-60

COMPANY: FRANK BARDENHAGEN

Tenement No: <u>20/2000</u>		Prospect: <u>Blue Gums</u>		Hole No: <u>FRRC5</u>		Co-ordinates: <u>522349mE 5444006mN</u>	
Azimuth/Angle: <u>165M/60</u>		Depth: <u>60-66m</u>		Drilled by: <u>Diamond Drilling Tasmania</u>		Logged by: <u>R Fulton</u> Date: <u>20/2/01</u>	
From	To	Lithology and colour	Alteration	Mineralisation	Comments	Au (ppm)	Sample No
60	61	grey fmgSS		5% disseminated pyr		x	60-64
61	62	grey fmgSS/white qtz		5% disseminated pyr	abundant qtz		60-64
62	63	grey fmgSS					60-64
63	64	grey fmgSS					60-64
64	65	grey fmgSS/white qtz			abundant qtz		
65	66	grey fmgSS					
66	67						
67	68						
68	69						
69	70						
70	71						
71	72						
72	73						
73	74						
74	75						
75	76						
76	77						
77	78						
78	79						
79	80						

Appendix 2

Trench Sample Assay Reports

Trench Number	Sample Number	Interval From	Interval To	Width (metres)	Assay results Au (ppb)	Assay results As (ppm)	Description
1	EL 01	*	*	0.5	15500	na	across reef, blue-grey quartz with 20% pyrite/arsenopyrite
1	EL 02	*	*	0.5	104750	na	across reef, laminated, oxidised, red-brown quartz
1	EL 03	*	*	2	3425	na	wallrock northwest of vein, yellow-brown mg SS
1	EL 04	*	*	2	210	na	wall rock southeast of vein, yellow-brown mg SS
1	EL 12	*	*	2	90	na	bleached SS - wallrock adjacent to reef
1	EL 30	*	*	grab	3025	8100	grey quartz with 5-8% arsenopyrite and pyrite
1	EL 31	*	*	grab	260	100	wall rock adjacent to above vein - bleached bone mgSS
1	EL 32	*	*	grab	2220	2100	composite reef sample - grey sulphidic quartz
1	EL 35	*	*	grab	24700	na	composite of reef
2	EL 7	0	2	2	60	na	yellow-brown mg sil SS, 10% qtz veining
2	EL 8	2	4	2	30	na	yellow-brown mg SS
2	EL 9	4	6	2	30	na	yellow-brown mg SS
2	EL 10	6	8	2	50	na	yellow-brown mg SS
2	EL 11	8	10	2	30	na	yellow-brown mg SS
2	EL 13	*	*	grab	30	na	yellow-brown mg SS, 15% qtz veining
3	EL 20	4.9	5.1	0.2	410	2060	grey quartz, tr arsenopyrite and pyrite
3	EL 21	0	2	2	220	215	yellow-brown fmgSS/ some fSZ
3	EL 22	2	4	2	80	<50	yellow-brown fmgSS/ some fSZ
3	EL 23	4	6	2	130	350	yellow-brown fmgSS/ some fSZ
3	EL 24	6	8	2	<10	<50	yellow-brown fmgSS/ some fSZ
3	EL 25	8	10	2	<10	<50	yellow-brown fmgSS/ some fSZ
3	EL 26	10	12	2	<10	<50	yellow-brown fmgSS/ some fSZ
3	EL 27	12	14	2	<10	<50	yellow-brown fmgSS/ some fSZ
3	EL 28	14	16	2	<10	<50	yellow-brown fmgSS/ some fSZ
3	EL 29	4.9	5.1	0.2	325	1600	grey quartz, tr arsenopyrite and pyrite
3	EL 66	4.9	5.1	comp	420	na	composite vein sample
3	EL 67	4.9	5.1	comp	180	na	composite vein sample
4	EL 5	6	8	2	1115	na	yellow-brown mg SS
4	EL 6	8	10	2	40	na	yellow-brown mg SS, 3cm blue-grey qtz vein
4	EL 53	15	18	3	<10	na	yellow-brown mg SS
4	EL 54	18	21	3	<10	na	yellow-brown mg SS
4	EL 55	21	24	3	<10	na	yellow-brown mg SS/fSZ
4	EL 56	34	37	3	<10	na	yellow-brown mg SS/fSZ
4	EL 57	37	40	3	<10	na	yellow-brown mg SS/fSZ
4	EL 58	40	43	3	<10	na	yellow-brown mg SS/fSZ
4	EL 59	43	46	3	285	na	yellow-brown mg SS/fSZ

Trench Number	Sample Number	Interval		Width (metres)	Assay results		Description
		From	To		Au (ppb)	As (ppm)	
4	EL 60	46	49	3	<10	na	bone-yellow mg SS
4	EL 61	49	52	3	10	na	bone-yellow mg SS
5	EL 14	*	*	comp	380	na	white buck quartz, 10% grey qtz with minor arsenopyrite
5	EL 15	8	10	2	190	na	bone-yellow mg SS
5	EL 16	10	12	2	120	na	bone-yellow mg SS
5	EL 17	12	14	2	90	na	bone-yellow mg SS
5	EL 18	14	16	2	80	na	bone-yellow mg SS
5	EL 19	*	*	comp	1110	na	white buck quartz - no mineralisation
6	EL 34	21.9	22.1	0.2	65	na	20cm wide buck quartz vein with trace pyrite/arsenopyrite and fe-ox
6	EL 36	21.5	22.5	1	70	na	as above with wallrock - mg SS
6	EL 37	19	21	2	40	na	bone-yellow mg SS
6	EL 38	21	23	2	330	na	bone-yellow mg SS
6	EL 39	23	25	2	60	na	bone-yellow mg SS
6	EL 40	25	27	2	40	na	bone-yellow mg SS
6	EL 41	27	29	2	30	na	bone-yellow mg SS
6	EL 42	29	31	2	20	na	yellow-brown fmg SS
6	EL 43	31	33	2	<10	na	yellow-brown fmg SS/ salmon-brown fSZ
6	EL 44	33	35	2	<10	na	yellow-brown fmg SS/ salmon-brown fSZ
6	EL 45	35	37	2	<10	na	yellow-brown fmg SS/ salmon-brown fSZ
6	EL 46	59	59.1	0.1	20	na	brown mg SS c 2cm qtz vein and 20% qtz veinlets
6	EL 47	62	62.1	0.1	<10	na	brown mg SS c 10% qtz veinlets
6	EL 48	47	49	2	<10	na	yellow-brown fmg SS
6	EL 49	49	51	2	<10	na	yellow-brown fmg SS
6	EL 50	51	53	2	<10	na	yellow-brown fmg SS ; grey-brown fgfl SZ
6	EL 51	53	55	2	<10	na	yellow-brown fmg SS ; grey-brown fgfl SZ
6	EL 52	55	57	2	<10	na	yellow-brown fmg SS
7	EL 62	8	10	2	<10	na	yellow-brown fmg SS ; grey-brown fgfl SZ
7	EL 63	15	17	2	<10	na	yellow-brown fmg SS ; grey-brown fgfl SZ
7	EL 64	17	19	5	<10	na	yellow-brown fmg SS ; grey-brown fgfl SZ
8	EL 68	15	15.1	0.1	17100	na	6 cm grey sulphidic qtz vn
8	EL 69	15.1	16.1	1	590	na	wall rock adjacent to above vein
8	EL 70	21	22	1	250	na	laminated siltstone
Lebrina Reef	EL 71	*	*		7325	na	composite sample of Lebrina Reef, grey quartz with 5-10% pyrite and arsenopyrite
Lebrina Reef	EL 72	*	*		2250	na	composite sample of Lebrina Reef, grey quartz with 5-10% pyrite and arsenopyrite
misc.	EL 73	*	*		2425	na	grey quartz with 10% arsenopyrite from dump near old battery
misc.	EL 74	*	*		1170	na	sands from old battery site near Lebrina workings

Trench Number	Sample Number	Interval From	Interval To	Width (metres)	Assay results Au (ppb)	Assay results As (ppm)	Description
misc.	EL 75	*	*		530	na	sands from old battery site near Lebrina workings
Lebrina Reef	EL 76	*	*		3100	na	composite sample of Lebrina Reef, grey quartz with 5-10% pyrite and arsenopyrite
9	EL 77	3	6	3	110	na	yellow-brown fgmgSS, minor qtz veining
9	EL 78	6	9	3	30	na	yellow-brown fgmgSS, minor qtz veining
9	EL 79	9	12	3	40	na	yellow-brown fgmgSS, minor qtz veining
misc.	EL 80	*	*	grab	10	na	white quartz near Trench 9
misc.	EL 81	*	*	grab	<10	na	lateritic quartz near Trench 9
11	EL 82	*	*	0.2	20	na	mg SS, 5-10% qtz veined

fg - fine grained; mg - medium grained; v - very; grab - grab sample; comp - composite sample

SS - sandstone; SZ - siltstone; Qtzite - quartzite; sil - silicified; tr - trace; min - minor

Appendix 3

RC drilling assay reports

Date 27/2/2001

UNITS

DETECTION LIMIT

METHOD

Au	Au(R)
ppm	ppm
0.01	0.01
P649	P649

Hole Number	Sample Number	Sample Depth	Sample	Au (ppm)	Repeat
			Interval		
ELRC 1	ELRC 01	0 to 4 metres	4 metres	X	-
ELRC 1	ELRC 02	4 to 8 metres	4 metres	X	-
ELRC 1	ELRC 03	8 to 12 metres	4 metres	X	-
ELRC 1	ELRC 04	12 to 16 metres	4 metres	X	-
ELRC 1	ELRC 05	16 to 20 metres	4 metres	X	-
ELRC 1	ELRC 06	20 to 24 metres	4 metres	X	-
ELRC 1	ELRC 07	24 to 28 metres	4 metres	X	-
ELRC 1	ELRC 08	28 to 32 metres	4 metres	X	-
ELRC 1	ELRC 09	32 to 36 metres	4 metres	X	-
ELRC 1	ELRC 10	36 to 40 metres	4 metres	X	-
ELRC 1	ELRC 11	40 to 44 metres	4 metres	X	-
ELRC 1	ELRC 12	44 to 48 metres	4 metres	X	-
ELRC 1	ELRC 13	48 to 52 metres	4 metres	X	-
ELRC 2	ELRC 27	0 to 4 metres	4 metres	X	-
ELRC 2	ELRC 28	4 to 8 metres	4 metres	X	-
ELRC 2	ELRC 29	8 to 12 metres	4 metres	X	-
ELRC 2	ELRC 30	12 to 16 metres	4 metres	X	-
ELRC 2	ELRC 31	16 to 20 metres	4 metres	X	-
ELRC 2	ELRC 32	20 to 24 metres	4 metres	X	-
ELRC 3	ELRC 14	0 to 4 metres	4 metres	0.01	-
ELRC 3	ELRC 15	4 to 8 metres	4 metres	X	-
ELRC 3	ELRC 16	8 to 12 metres	4 metres	0.01	-
ELRC 3	ELRC 17	12 to 16 metres	4 metres	0.09	-
ELRC 3	ELRC 18	16 to 20 metres	4 metres	X	X
ELRC 3	ELRC 19	20 to 24 metres	4 metres	X	-
ELRC 3	ELRC 20	24 to 28 metres	4 metres	X	-
ELRC 3	ELRC 21	28 to 32 metres	4 metres	X	-
ELRC 3	ELRC 22	32 to 36 metres	4 metres	X	-
ELRC 3	ELRC 23	36 to 40 metres	4 metres	X	-
ELRC 3	ELRC 24	40 to 44 metres	4 metres	X	-
ELRC 3	ELRC 25	44 to 48 metres	4 metres	X	-
ELRC 3	ELRC 26	48 to 52 metres	4 metres	X	-
ELRC 4	ELRC 33	0 to 4 metres	4 metres	X	-
ELRC 4	ELRC 34	4 to 8 metres	4 metres	X	-
ELRC 4	ELRC 35	8 to 12 metres	4 metres	X	-
ELRC 4	ELRC 36	12 to 16 metres	4 metres	X	-
ELRC 4	ELRC 37	16 to 20 metres	4 metres	X	-
ELRC 4	ELRC 38	20 to 24 metres	4 metres	X	-
ELRC 4	ELRC 39	24 to 28 metres	4 metres	X	-
ELRC 4	ELRC 40	28 to 32 metres	4 metres	X	-
ELRC 4	ELRC 41	32 to 36 metres	4 metres	X	-
ELRC 4	ELRC 42	36 to 40 metres	4 metres	X	-
ELRC 4	ELRC 43	40 to 42 metres	4 metres	X	X
ELRC 5	ELRC 44	0 to 4 metres	4 metres	X	-
ELRC 5	ELRC 45	4 to 8 metres	4 metres	X	-
ELRC 5	ELRC 46	8 to 12 metres	4 metres	X	-
ELRC 5	ELRC 47	12 to 16 metres	4 metres	X	-
ELRC 5	ELRC 48	16 to 20 metres	4 metres	X	-
ELRC 5	ELRC 49	20 to 24 metres	4 metres	X	-
ELRC 5	ELRC 50	24 to 28 metres	4 metres	X	-
ELRC 5	ELRC 51	28 to 32 metres	4 metres	X	-
ELRC 5	ELRC 52	32 to 36 metres	4 metres	X	-

Hole Number	Sample Number	Sample Depth	Sample Interval	Au (ppm)	Repeat
ELRC 5	ELRC 53	36 to 40 metres	4 metres	0.1	-
ELRC 5	ELRC 54	40 to 44 metres	4 metres	X	-
ELRC 5	ELRC 55	44 to 48 metres	4 metres	0.02	-
ELRC 5	ELRC 56	48 to 52 metres	4 metres	0.01	-
FRC 1	FRC 1	0 to 4 metres	4 metres	X	-
FRC 1	FRC 1	4 to 8 metres	4 metres	X	-
FRC 1	FRC 1	8 to 12 metres	4 metres	X	-
FRC 1	FRC 1	12 to 16 metres	4 metres	X	-
FRC 1	FRC 1	16 to 20 metres	4 metres	X	-
FRC 1	FRC 1	20 to 24 metres	4 metres	X	-
FRC 1	FRC 1	24 to 28 metres	4 metres	X	-
FRC 1	FRC 1	28 to 32 metres	4 metres	X	-
FRC 1	FRC 1	32 to 36 metres	4 metres	X	-
FRC 1	FRC 1	36 to 40 metres	4 metres	X	-
FRC 1	FRC 1	40 to 44 metres	4 metres	X	-
FRC 1	FRC 1	44 to 48 metres	4 metres	X	X
FRC 2	FRC 2	0 to 4 metres	4 metres	X	-
FRC 2	FRC 2	4 to 8 metres	4 metres	X	-
FRC 2	FRC 2	8 to 12 metres	4 metres	X	-
FRC 2	FRC 2	12 to 16 metres	4 metres	X	-
FRC 2	FRC 2	16 to 20 metres	4 metres	X	-
FRC 2	FRC 2	20 to 24 metres	4 metres	X	-
FRC 2	FRC 2	24 to 28 metres	4 metres	X	-
FRC 2	FRC 2	28 to 32 metres	4 metres	X	-
FRC 2	FRC 2	32 to 36 metres	4 metres	X	-
FRC 2	FRC 2	36 to 40 metres	4 metres	X	X
FRC 2	FRC 2	40 to 44 metres	4 metres	X	X
FRC 2	FRC 2	44 to 48 metres	4 metres	X	-
FRC 3	FRC 3	0 to 4 metres	4 metres	X	-
FRC 3	FRC 3	4 to 8 metres	4 metres	X	-
FRC 3	FRC 3	8 to 12 metres	4 metres	0.16	-
FRC 3	FRC 3	12 to 16 metres	4 metres	0.47	-
FRC 3	FRC 3	16 to 20 metres	4 metres	0.05	-
FRC 3	FRC 3	20 to 24 metres	4 metres	X	-
FRC 3	FRC 3	24 to 28 metres	4 metres	X	-
FRC 3	FRC 3	28 to 32 metres	4 metres	X	-
FRC 3	FRC 3	32 to 36 metres	4 metres	X	-
FRC 3	FRC 3	36 to 40 metres	4 metres	X	-
FRC 3	FRC 3	40 to 44 metres	4 metres	X	-
FRC 3	FRC 3	44 to 48 metres	4 metres	X	-
FRC 4	FRC 4	0 to 4 metres	4 metres	X	X
FRC 4	FRC 4	4 to 8 metres	4 metres	X	-
FRC 4	FRC 4	8 to 12 metres	4 metres	X	X
FRC 4	FRC 4	12 to 16 metres	4 metres	X	-
FRC 4	FRC 4	16 to 20 metres	4 metres	X	-
FRC 4	FRC 4	20 to 24 metres	4 metres	X	-
FRC 4	FRC 4	24 to 28 metres	4 metres	X	-
FRC 4	FRC 4	28 to 32 metres	4 metres	X	-
FRC 4	FRC 4	32 to 36 metres	4 metres	X	-
FRC 4	FRC 4	36 to 40 metres	4 metres	X	-
FRC 4	FRC 4	40 to 44 metres	4 metres	X	-
FRC 4	FRC 4	44 to 48 metres	4 metres	X	-
FRC 5	FRC 5	0 to 4 metres	4 metres	0.03	-
FRC 5	FRC 5	4 to 8 metres	4 metres	0.01	-
FRC 5	FRC 5	8 to 12 metres	4 metres	X	-
FRC 5	FRC 5	12 to 16 metres	4 metres	X	-
FRC 5	FRC 5	16 to 20 metres	4 metres	X	-

Hole Number	Sample Number	Sample Depth	Sample Interval	Au (ppm)	Repeat
FRRC 5	FRRC 5	20 to 24 metres	4 metres	X	-
FRRC 5	FRRC 5	24 to 28 metres	4 metres	X	-
FRRC 5	FRRC 5	28 to 32 metres	4 metres	X	-
FRRC 5	FRRC 5	32 to 36 metres	4 metres	X	-
FRRC 5	FRRC 5	36 to 40 metres	4 metres	X	-
FRRC 5	FRRC 5	40 to 44 metres	4 metres	X	-
FRRC 5	FRRC 5	44 to 48 metres	4 metres	0.04	-
FRRC 5	FRRC 5	48 to 52 metres	4 metres	0.04	-
FRRC 5	FRRC 5	52 to 56 metres	4 metres	0.01	0.01
FRRC 5	FRRC 5	56 to 60 metres	4 metres	X	-
FRRC 5	FRRC 5	60 to 64 metres	4 metres	X	-
LRC 1	LBRC 01	0 to 4 metres	4 metres	0.02	-
LRC 1	LBRC 02	4 to 8 metres	4 metres	X	-
LRC 1	LBRC 03	8 to 12 metres	4 metres	X	-
LRC 1	LBRC 04	12 to 16 metres	4 metres	X	X
LRC 1	LBRC 05	16 to 20 metres	4 metres	X	X
LRC 1	LBRC 70	20 to 24 metres	4 metres	X	X
LRC 1	LBRC 62	24 to 25 metres	1 metre	X	-
LRC 1	LBRC 63	25 to 26 metres	1 metre	X	X
LRC 1	LBRC 64	26 to 27 metres	1 metre	X	-
LRC 1	LBRC 65	27 to 28 metres	1 metre	X	-
LRC 1	LBRC 66	28 to 29 metres	1 metre	X	-
LRC 1	LBRC 67	29 to 30 metres	1 metre	X	-
LRC 1	LBRC 68	30 to 31 metres	1 metre	X	-
LRC 1	LBRC 69	31 to 32 metres	1 metre	X	-
LRC 1	LBRC 06	32 to 36 metres	4 metres	X	-
LRC 1	LBRC 07	36 to 40 metres	4 metres	0.02	-
LRC 2	LBRC 25	0 to 4 metres	4 metres	X	-
LRC 2	LBRC 26	4 to 8 metres	4 metres	X	-
LRC 2	LBRC 27	8 to 12 metres	4 metres	X	-
LRC 2	LBRC 28	12 to 16 metres	4 metres	X	-
LRC 2	LBRC 29	16 to 20 metres	4 metres	X	X
LRC 2	LBRC 30	20 to 24 metres	4 metres	X	-
LRC 2	LBRC 31	24 to 28 metres	4 metres	X	-
LRC 2	LBRC 32	28 to 29 metres	1 metre	X	-
LRC 2	LBRC 33	29 to 30 metres	1 metre	X	-
LRC 2	LBRC 34	30 to 31 metres	1 metre	1.71	1.81
LRC 2	LBRC 35	31 to 32 metres	1 metre	0.46	0.55
LRC 2	LBRC 36	32 to 33 metres	1 metre	0.02	-
LRC 2	LBRC 37	33 to 34 metres	1 metre	0.02	-
LRC 2	LBRC 38	34 to 35 metres	1 metre	X	-
LRC 2	LBRC 39	35 to 36 metres	1 metre	0.12	-
LRC 2	LBRC 40	36 to 40 metres	4 metres	X	-
LRC 3	LBRC 71	0 to 4 metres	4 metres	X	-
LRC 3	LBRC 72	4 to 8 metres	4 metres	X	-
LRC 3	LBRC 73	8 to 12 metres	4 metres	X	-
LRC 3	LBRC 74	12 to 16 metres	4 metres	X	-
LRC 3	LBRC 75	16 to 20 metres	4 metres	X	-
LRC 3	LBRC 76	20 to 24 metres	4 metres	X	-
LRC 3	LBRC 77	24 to 28 metres	4 metres	X	-
LRC 3	LBRC 78	28 to 32 metres	4 metres	X	X
LRC 3	LBRC 79	32 to 36 metres	4 metres	X	-
LRC 3	LBRC 80	36 to 40 metres	4 metres	X	-
LRC 3	LBRC 81	40 to 44 metres	4 metres	X	-
LRC 3	LBRC 82	44 to 48 metres	4 metres	X	-
LRC 3	LBRC 83	48 to 52 metres	4 metres	X	-
LRC 3	LBRC 84	52 to 56 metres	4 metres	X	-

Hole Number	Sample Number	Sample Depth	Sample Interval	Au (ppm)	Repeat
LRC 4	LBRC 08	0 to 4 metres	4 metres	X	-
LRC 4	LBRC 09	4 to 8 metres	4 metres	X	-
LRC 4	LBRC 10	8 to 12 metres	4 metres	X	-
LRC 4	LBRC 11	12 to 16 metres	4 metres	X	-
LRC 4	LBRC 12	16 to 20 metres	4 metres	X	-
LRC 4	LBRC 13	20 to 24 metres	4 metres	X	-
LRC 4	LBRC 14	24 to 28 metres	4 metres	X	-
LRC 4	LBRC 15	28 to 32 metres	4 metres	X	-
LRC 4	LBRC 16	32 to 36 metres	4 metres	X	-
LRC 4	LBRC 17	36 to 40 metres	4 metres	X	-
LRC 4	LBRC 18	40 to 44 metres	4 metres	X	-
LRC 4	LBRC 19	44 to 48 metres	4 metres	X	-
LRC 4	LBRC 20	48 to 52 metres	4 metres	X	-
LRC 4	LBRC 21	52 to 56 metres	4 metres	X	-
LRC 4	LBRC 22	56 to 60 metres	4 metres	0.06	-
LRC 4	LBRC 23	60 to 64 metres	4 metres	X	-
LRC 4	LBRC 24	64 to 68 metres	4 metres	X	-
LRC 5	LBRC 41	0 to 4 metres	4 metres	X	-
LRC 5	LBRC 42	4 to 8 metres	4 metres	X	-
LRC 5	LBRC 43	8 to 12 metres	4 metres	X	-
LRC 5	LBRC 44	12 to 16 metres	4 metres	X	-
LRC 5	LBRC 45	16 to 20 metres	4 metres	X	-
LRC 5	LBRC 46	20 to 24 metres	4 metres	X	-
LRC 5	LBRC 47	24 to 28 metres	4 metres	X	-
LRC 5	LBRC 48	28 to 32 metres	4 metres	X	-
LRC 5	LBRC 49	32 to 36 metres	4 metres	X	-
LRC 5	LBRC 50	36 to 40 metres	4 metres	X	-
LRC 5	LBRC51	40 to 44 metres	4 metres	X	-
LRC 5	LBRC52	44 to 48 metres	4 metres	X	-
LRC 5	LBRC53	48 to 49 metres	1 metre	X	-
LRC 5	LBRC54	49 to 50 metres	1 metre	X	-
LRC 5	LBRC55	50 to 51 metres	1 metre	0.3	-
LRC 5	LBRC56	51 to 52 metres	1 metre	0.04	-
LRC 5	LBRC57	52 to 56 metres	4 metres	0.13	-
LRC 5	LBRC58	56 to 60 metres	4 metres	0.02	-
LRC 5	LBRC59	60 to 64 metres	4 metres	X	-
LRC 5	LBRC 60	64 to 68 metres	4 metres	X	-
LRC 5	LBRC 61	68 to 72 metres	4 metres	X	-

Appendix 4

RC drilling fire assay reports

Analabs Burnie Reference No: - BU018405 26 42

Date 19/03/01

UNITS

DETECTION LIMIT

METHOD

Au Au(R)

ppm ppm

0.01 0.01

F650 F650

Sample Number	Sample Depth	Sample Interval	Au (ppm)	Repeat
ELRC 16	8 to 12 metres	4 metres	X	-
ELRC 17	12 to 16 metres	4 metres	0.07	-
ELRC 53	36 to 40 metres	4 metres	0.14	-
FRC 3	8 to 12 metres	4 metres	0.18	-
FRC 3	12 to 16 metres	4 metres	0.54	-
FRC 3	16 to 20 metres	4 metres	0.07	-
FRC 5	0 to 4 metres	4 metres	0.02	-
FRC 5	36 to 40 metres	4 metres	X	-
FRC 5	40 to 44 metres	4 metres	0.03	-
FRC 5	44 to 48 metres	4 metres	0.03	-
FRC 5	48 to 52 metres	4 metres	0.03	-
FRC 5	52 to 56 metres	4 metres	X	-
LBRC 34	30 to 31 metres	1 metre	1.75	-
LBRC 35	31 to 32 metres	1 metre	0.45	-
LBRC 39	35 to 36 metres	1 metre	0.21	-
LBRC 22	56 to 60 metres	4 metres	0.18	-
LRC 55	50 to 51 metres	1 metre	0.29	0.3
LRC 56	51 to 52 metres	1 metre	0.1	-
LRC 57	52 to 56 metres	4 metres	0.18	-