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BILLITON AUSTRALIA

**AUREOLE N.L.
AMERICAN HORIZON RESOURCES, INC.
FEDERATION RESOURCES N.L.**

E.L. 58/88 - GOLDEN RIDGE JOINT VENTURE

Exploration Report for the Period
7th April 1992 to 7th December 1992

MINES		
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16 APR 1993		
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	FILE 6158/88	
	Folio 510	
REQUEST TO		DATE

Author: J.P. Randell

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Date: December 1992

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LIST OF CONTENTS

- 1.0 INTRODUCTION
- 2.0 LOCATION AND ACCESS
- 3.0 LAND TENURE
- 4.0 REGIONAL SETTING
- 5.0 PREVIOUS EXPLORATION
- 6.0 MINERALIZATION
- 7.0 EXPLORATION COMPLETED 1992
- 8.0 EXPLORATION RESULTS
 - 8.1 *Reverse Circulation Percussion Drilling*
 - 8.2 *Rehabilitation*
- 9.0 CONCLUSIONS
- 10.0 RECOMMENDATIONS

LIST OF FIGURES

Fig 1 : E.L. 58/88 Location Plan

Fig 2 : Regional Setting E.L. 58/88 and M.L. 43M/88

Fig 3 : Brilliant Prospect Geological Setting and Location of Drill Holes
RCGR 1-4

Fig 4 : Brilliant - New Golden Ridge. RC Percussion Drill Section

Fig 5 : Trafalgar - New Carthage. Location of Drill Holes RCGR5-7

Fig 6 : Trafalgar - New Carthage. E-W Section at 5 416 400N

LIST OF APPENDICES

Appendix 1 : Geological logs RCGR 1-7

Appendix 2 : Sample assay sheets RCGR 1-7

1.0 INTRODUCTION

This report summarizes the results of exploration carried out by Billiton Australia on behalf of the Golden Ridge Joint Venture since April 1992.

Exploration completed in previous years has been presented in Billiton reports 08.4946, 08.5292, 08.5596.

2.0 LOCATION AND ACCESS

The licence is situated in the north-east of Tasmania approximately 20kms west of St. Helens and 70kms east of Launceston. (Figure 1). Access to the tenements is obtained via well maintained Forestry roads (eg Hogans Road) and thence by tracks in varying states of disrepair.

Topography is steep with numerous linear spines and deep gullies. Vegetation consists of dry sclerophyll forest, eucalypt regeneration and pine plantations.

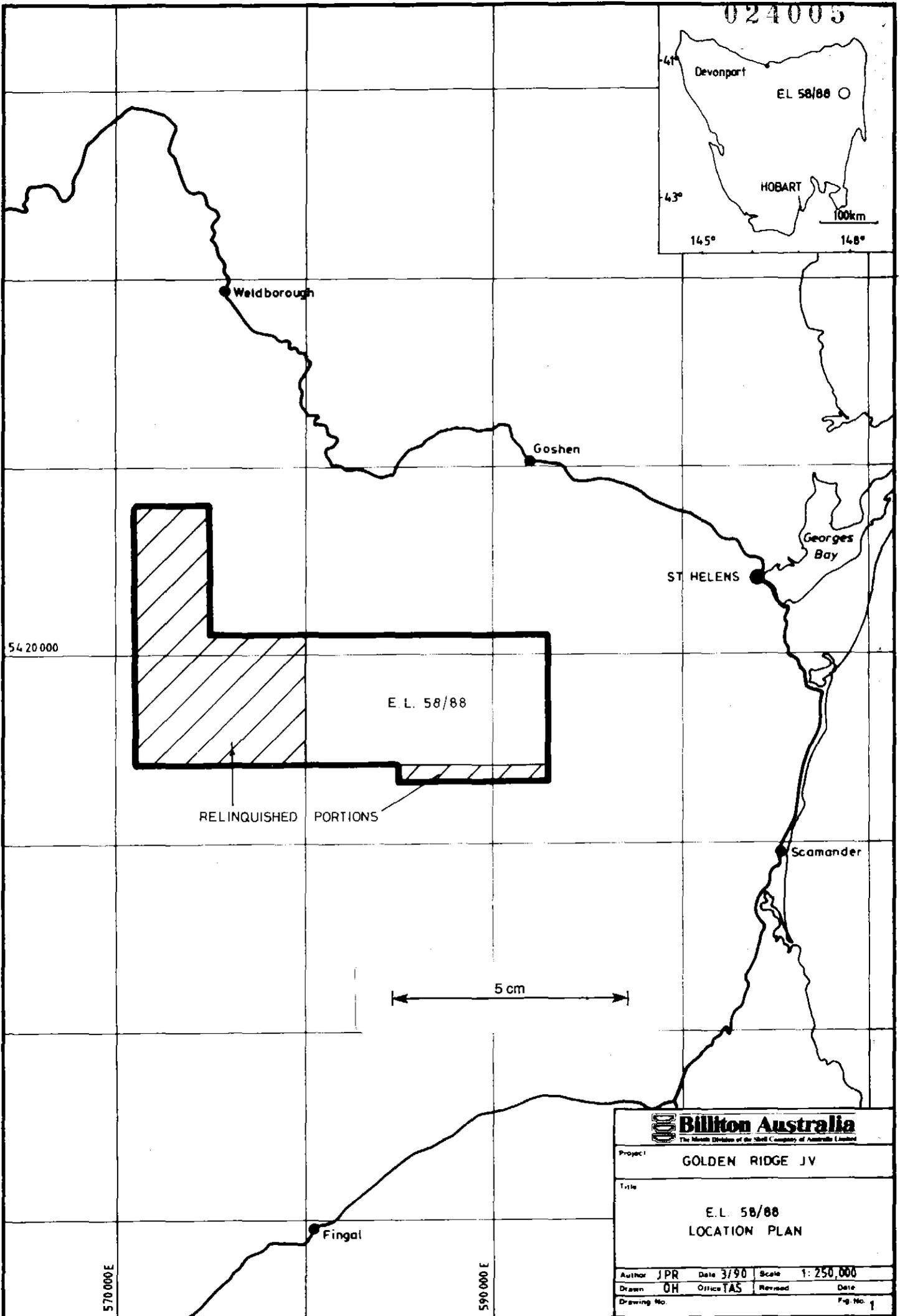
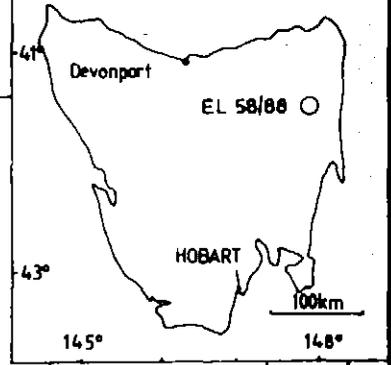
3.0 LAND TENURE

Exploration licence 58/88, originally of 189km², was granted on 7th April 1989 to a consortium consisting of:

Federation Resources N.L.	20% equity
American Horizon Resources Inc.	30% equity
Aureole N.L.	50% equity

Aureole N.L. was elected operator of this group.

024005



 <small>The Mining Division of the Shell Company of Australia Limited</small>			
Project		GOLDEN RIDGE JV	
Title			
E. L. 58/88 LOCATION PLAN			
Author	JPR	Date	3/90
Scale	1: 250,000		
Drawn	OH	Office	TAS
Revised		Date	
Drawing No.		Fig. No. 1	

The Shell Company of Australia Limited, through its subsidiary Billiton Australia, farmed into the project on 9th October, 1989 as manager of the joint venture.

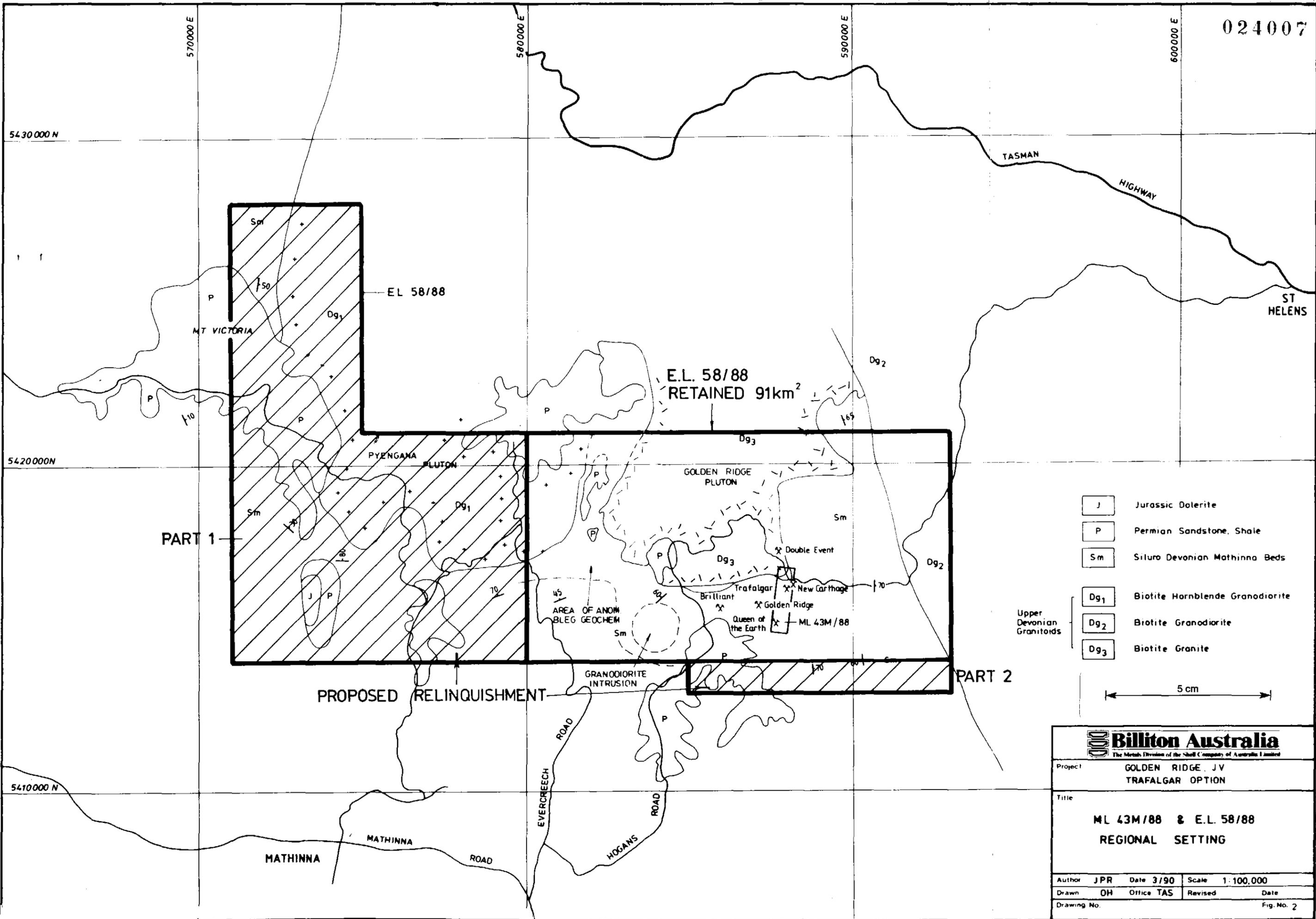
The exploration licence was voluntarily reduced to 90km² on the 1992 anniversary date by agreement with the joint venture partners. Within the tenement, mining lease 43M/88 (100ha, Oceania Tas. Pty. Ltd.) was current and was included within the joint venture until 11th July 1991. Subsequently the lease was relinquished in June 1992 and the area reverted to E.L. 58/88.

4.0 REGIONAL SETTING

The licence covers the southern ends of the Pyengana and Poimena Plutons (biotite-hornblende granodiorite and granite) of Upper Devonian age that have intruded Siluro-Devonian Mathinna Beds sediments (see Figure 2). Around the margins of these plutons, a contact metamorphic zone characterized by moderate hornfelsing of the sediments occurs as a band up to 1km wide.

A mineralization zonation is well known in the Scamander area and from east to west a gradation from Cu-Pb to Sn-W to Au-As is noted. The Golden Ridge locality defines this latter category and is represented by numerous shafts, adits and pits over a 4km strike length wrapping around the margin of the Poimena Pluton.

Throughout the North-East Province there is good evidence of a strong structural control to the emplacement and grade of the auriferous mineralization. At both regional and local scales a favoured NNW-SSE orientation



- J Jurassic Dolerite
- P Permian Sandstone, Shale
- Sm Siluro Devonian Mathinna Beds
- Dg1 Biotite Hornblende Granodiorite
- Dg2 Biotite Granodiorite
- Dg3 Biotite Granite

Upper Devonian Granitoids

5 cm

Billiton Australia <small>The Metals Division of the Shell Company of Australia Limited</small>			
Project		GOLDEN RIDGE JV TRAFALGAR OPTION	
Title			
ML 43M/88 & E.L. 58/88 REGIONAL SETTING			
Author	JPR	Date	3/90
Scale	1:100,000		
Drawn	OH	Office	TAS
Revised	Date		
Drawing No.	Fig. No. 2		

is evidently the major directional control and this can be identified on all scales from Landsat imagery analysis to "walking the outcrop".

5.0 PREVIOUS EXPLORATION

The licence area was previously held as E.L. 24/82 by Oceania Tasmania but very little exploration has been carried out or at least reported. Their work appeared to be limited to minor rock chip and soil sampling around the old workings but no systematic work is evident.

Union Corporation (Aust) Pty. Ltd. carried out some stream sediment sampling within E.L. 21/80 during 1981 but apparently analysed the samples for Sn, W, Mo, Cu, Pb, Zn only.

Texins Development Pty. Ltd. through Geophoto Resources Consultants also completed a stream sediment survey with some follow up rock chip and soil sampling.

Other recorded work within the area related to the initial mining activity surrounding the Hogans Track or Brilliant Creek Goldfields, viz. "Report on the Queen of the Earth Gold Mine and Neighbourhood", by W.H. Twelvetrees, 1900.

"Report on Gold Mines near Hogans Track", by Twelvetrees, 1899.

"Notes on the Trafalgar Leases - Upper Scamander District". by Q.J. Henderson, 1935.

"Report on the Geological Survey of the Country between Scamander and Mathinna". by Q.J. Henderson, 1939.

Un-named Report by Q.J. Henderson, 1935.

Exploration completed by Billiton from 1989-90 included rock chip sampling, stream sediment sampling and initial reconnaissance around the area of the Brilliant Creek Goldfield.

During the 1990-91 year of tenure a programme of stream sediment sampling, costeaning, gridding, geological mapping and soil sampling was completed. In addition, a research grant to the University of Tasmania enabled work to be completed to attempt to understand the local structural and geochemical controls on mineralization. A geological consultant with experience in thermal aureole gold mineralization was also engaged to carry out a brief regional study.

During 1991-92, Billiton rehabilitated all the costeaned areas and supported research by the University of Tasmania C.O.D.E.S. An Honours thesis was completed to identify the geochemical nature of the Golden Ridge Pluton and to ascertain the structural setting of the Brilliant workings. During the course of this work, 19 stream sediment samples were collected and analysed.

6.0 MINERALIZATION

Within the tenement, several groups of workings occur that were prospected during the turn of the century for gold. The location of these workings is shown in Figure 2 and comments pertaining to each are presented below.

The New Carthage-Trafalgar workings occupy an area of 200m x 120m and are located on the margin of and within a granodiorite plug. They occur on the crest and flanks of a north south trending ridge and are typified by numerous small pits with larger shafts and small costeans. One adit of 25m length has been dug. The Trafalgar workings consist of 3 shafts only and although reasonably large, no access ways are evident.

Where observed the mineralization style is characterized by this (5-10cm) quartz lodes of variable orientation but it is apparent from the distribution of pits and costeans that the style is overall one of broad anastomosing quartz veins in a stockwork pattern.

The Queen of the Earth workings are dominated by extensive exploitation of a 0.5m wide quartz vein over a strike length of 70-80m. Underground examination was not possible to any great degree both due to blockages in the main adit and unsafe stopes. These workings are located 1.5km south of the Trafalgar-New Carthage occurrences and are interpreted to be structurally related. On Golden Ridge itself, numerous small pits occur and these line up with the named workings.

Along the crest of Golden Ridge are situated 3 groups of workings, viz. Golden Ridge, New Golden Ridge and Brilliant. Between these workings are scattered numerous small pits over an area of 1.5km x 200m. Examination of material from these pits indicated the presence of a fine anastomosing quartz veinlet system within Mathinna Beds micaceous silts and sands.

The Golden Ridge workings themselves are centred on this area of scattered pits and consist of a single shaft and several costeans.

The New Golden Ridge and Brilliant workings occur along the same structural feature and are separated by a distance of 150m. At New Golden Ridge, two subparallel quartz veins (5-7cm width) are separated by 20m of sandy sediments that show a variable content of fine quartz veinlets in a stockwork arrangement. Evidence of mineralization occurs over a strike length of 70m.

The Brilliant workings consist of 2 adits that enable access to a ballroom of dimensions 26m x 15m. Numerous small headings have been developed with the aim of following thin ferruginous shears some of which contain thin quartz veinlets. The orientation of these shears is in several directions giving the impression of a wide stockwork system.

The Double Event workings were not located despite several attempts to find them amongst the thick scrub.

7.0 EXPLORATION COMPLETED 1992

A programme of reverse circulation percussion drilling (7 holes, 574m) has been completed at the Brilliant and Trafalgar-New Carthage prospects. Samples were collected at one metre intervals, geologically logged then 2-4kg sub-samples taken for fire assay for gold. Geological logs are presented in Appendix 1 while assay sheets are shown in Appendix 2.

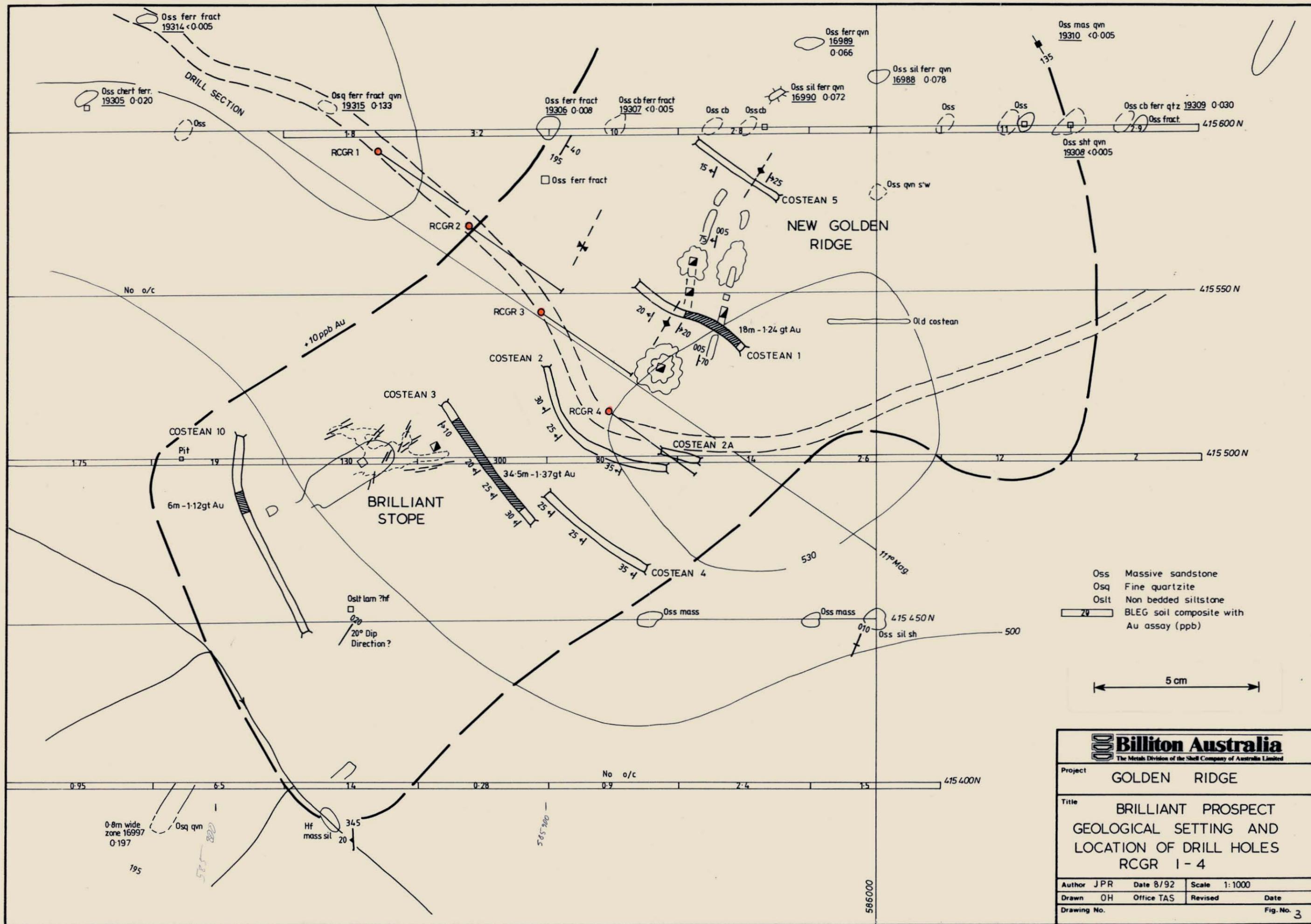
All drill sites have been rehabilitated and excess samples spread through the bush. As no access tracks were required, the existing forestry track was left in its original state.

8.0 EXPLORATION RESULTS

8.1 Reverse Circulation Percussion Drilling

At Brilliant, four angled holes were drilled to test the source of a +10ppb Au BLEG soil anomaly that is coincident with two subparallel lines of workings. (Figure 3). Two target models were selected to be tested by the drilling; firstly, stratabound auriferous mineralization within gently folded network fractured weathered sandstones beneath Golden Ridge and secondly, remobilized lode related mineralization within steep westerly dipping axial planar quartz reefs.

Geological logs and assays received are shown as Figure 4. The four holes transected similar lithologies as expected and reflected increasing thermal metamorphic effects, i.e. hornfelsing) the deeper the holes went. Three basic lithologies were logged:



- Oss Massive sandstone
- Osq Fine quartzite
- Osit Non bedded siltstone
-  BLEG soil composite with Au assay (ppb)

5 cm

Billiton Australia <small>The Metals Division of the Shell Company of Australia Limited</small>		
Project	GOLDEN RIDGE	
Title	BRILLIANT PROSPECT GEOLOGICAL SETTING AND LOCATION OF DRILL HOLES RCGR 1-4	
Author	JPR	Date 8/92
Scale	1:1000	
Drawn	OH	Office TAS
Revised		Date
Drawing No.	586000	Fig. No. 3

Fine to medium grained yellow brown massive sandstone, often with fine anastomosing ferruginous veinlets and trace ferruginous quartz filled veinlets.

Massive grey silicified sandstone or quartzite, again often with trace to 10% quartz veins.

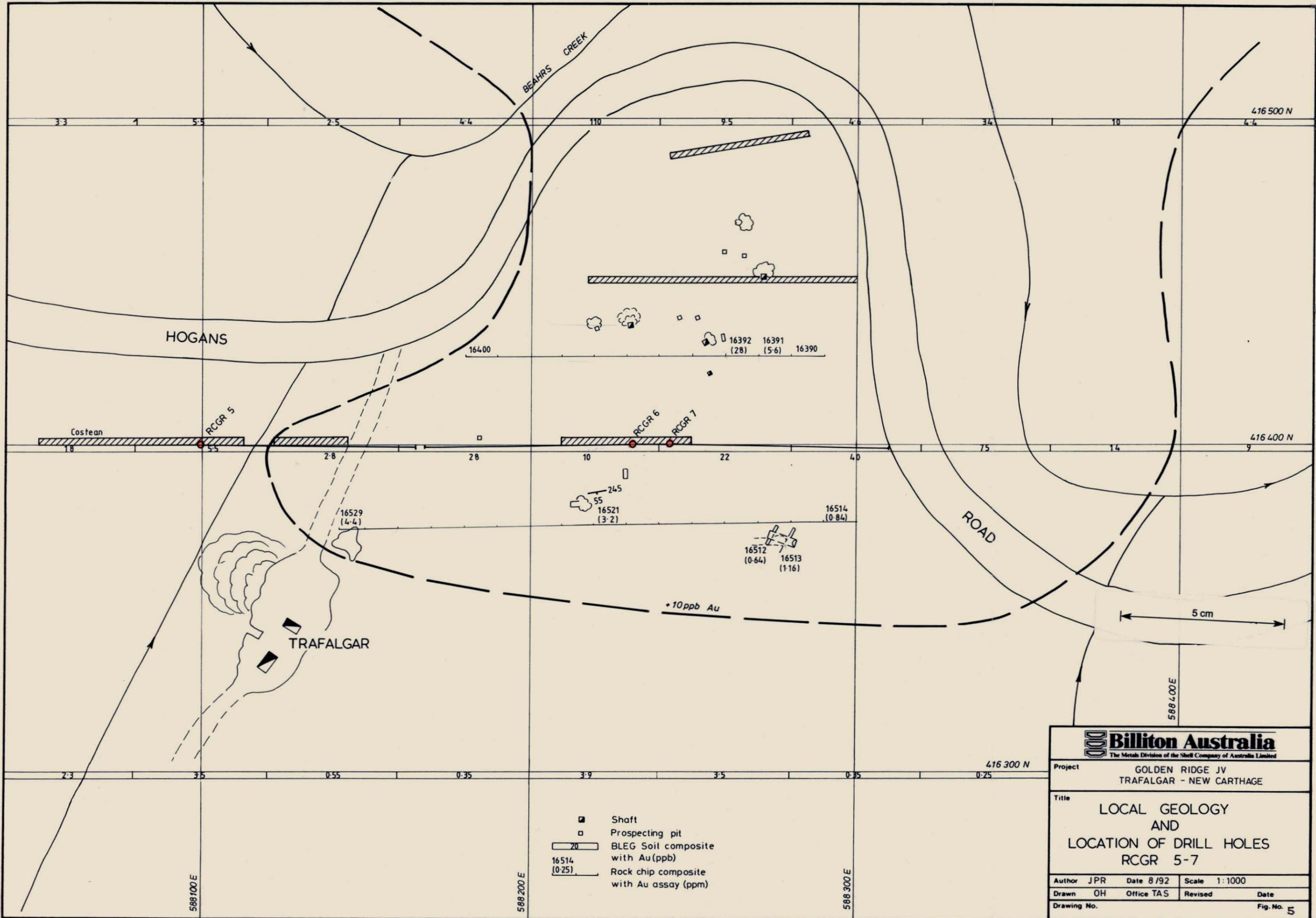
Massive variably cordierite spotted dark grey green hornfels with minor quartz veining.

From assays received to date, mineralization is hosted by quartz veinlets with associated arsenopyrite within hornfelsed sandstones. Single metre samples gave assays up to 9.4gt Au.

The best intercept was recorded in RCGR 3 from 27-33m which averaged 4.41gt Au. Duplicate assays returned an average intersection grade of 3.11gt Au.

At Trafalgar-New Carthage, three angled holes were drilled to test beneath both groups of workings and to attempt to explain the source of a +10ppb Au BLEG soil anomaly (Figure 5).

Percussion hole RCGR 5 intersected granodiorite to 85m then massive hornfels to EOH. Holes RCGR 6 and 7 intersected variably spotted hornfels and sandstones with trace to 10% quartz veinlets in places. Trace sulphide was recorded both within the granodiorite and within the hornfelsed sediments (Figure 6).



- Shaft
- Prospecting pit
- ▬ BLEG Soil composite with Au(ppb)
- ▬ 16514 (0.25) Rock chip composite with Au assay (ppm)

Billiton Australia
The Metals Division of the Shell Company of Australia Limited

Project: GOLDEN RIDGE JV
TRAFALGAR - NEW CARTHAGE

Title: LOCAL GEOLOGY AND
LOCATION OF DRILL HOLES
RCGR 5-7

Author JPR	Date 8/92	Scale 1:1000
Drawn OH	Office TAS	Revised
Drawing No.		Date
		Fig. No. 5

Mineralization recorded by assay was very weak with the best intercept being RCGR 6 92-95m: 3m @ 1.46gt Au.

8.2 Rehabilitation

All drilling was completed on existing tracks in the case of RCGR 1-4 and on a small crest in the case of RCGR 5-7. Track preparation was not necessary and all drill collars have been cased with PVC below ground level. Drill sites have been cleaned of rubbish and vegetation spread to encourage growth. Excess drill samples have been spread throughout the bush.

9.0 CONCLUSIONS

Subsurface drill testing of surface soil geochemical anomalies has resulted in weak low level gold mineralization being intersected. At Brilliant the best intercept of 6m @ 4.41gt Au has little apparent continuity up dip but the strike extent is unknown. From surface anomalism it would appear that a strike of less than 300 metres is likely.

Testing of the workings at New Carthage-Trafalgar was hampered by access constraints and in addition there is a good possibility that mineralization is hosted within E-W trending structures and not N-S as tested. Evidence for this can be found in several small stopes and adits on the New Carthage crest. This being the case, the recent drill programme would not have adequately tested the mineralization.

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Also untested is the geochemical anomalism indicated from composite BLEG soil sampling on the northern side of Hogans Road. Again, access constraints have precluded effective exploration.

10.0 RECOMMENDATIONS

Continued exploration in this goldfield is not warranted by Billiton although further work could be carried out to resolve the suspicions raised previously. A further drill programme would satisfy this theory.

It is recommended that Billiton withdraw from this joint venture immediately.

APPENDIX 1

Geological Logs RCGR 1-7

DRILL HOLE		RCGR 1				
DATE	27/07/92					
COLLAR	415594N585846E					
AZIMUTH	110 Mag					
INCLN	-60					
LOGGED BY	J.Randell					
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO.
0	1					No sample
1	2	Fresh massive silicified grey sandstone	SST			21301
2	3	Fresh massive silicified grey sandstone	SST	Rare veinlets		21302
3	4	Fresh massive silicified grey sandstone	SST			21303
4	5	Fresh massive silicified grey sandstone	SST	Rare veinlets		21304
5	6	Fresh massive silicified grey sandstone	SST	Rare veinlets	Rare ferrug frags	21305
6	7	Fresh massive silicified grey sandstone	SST			21306
7	8	Fresh massive silicified grey sandstone	SST	5% clear		21307
8	9	Fresh massive silicified grey sandstone	SST			21308
9	10	Fresh massive silicified grey sandstone	SST			21309
10	11	Fresh massive silicified grey sandstone	SST	Rare veinlets		21310
11	12	Fresh massive silicified grey sandstone	SST			21311
12	13	As above + rare spotted hornfels	SST			21312
13	14	Fresh massive silicified grey sandstone	SST	Rare chips		21313
14	15	Fresh massive silicified grey sandstone	SST			21314
15	16	Fresh massive silicified grey sandstone	SST			21315
16	17	Fresh massive silicified grey sandstone	SST	5% ferrug qtz		21316
17	18	Fresh massive silicified grey sandstone	SST			21317
18	19	Fresh massive silicified grey sandstone	SST			21318
19	20	Fresh massive silicified grey sandstone	SST		Rare ferrug chips	21319
20	21	Fresh massive silicified grey sandstone	SST			21320
21	22	Fresh massive silicified grey sandstone	SST			21321
22	23	Fresh massive silicified grey sandstone	SST		Rare layered chips	21322
23	24	Fresh massive silicified grey sandstone	SST	Rare veinlets		21323
24	25	As above + rare dirty sandstone	SST			21324
25	26	Fresh massive silicified grey sandstone	SST			21325
26	27	Fresh massive silicified grey sandstone	SST			21326
27	28	As above + 10% pink sandstone	SST			21327
28	29	Fresh massive silicified grey sandstone	SST		5% ferrug chips	21328
29	30	Fresh massive silicified grey sandstone	SST		Rare ferrug chips	21329
30	31	As above + 10% dirty sandy chips	SST			21330
31	32	As above + 10% dirty sandy-silty chips	SST			21331
32	33	As above + 5% sandy-silty chips	SST			21332
33	34	As above + 10% dark grey hornfels	SST			21333
34	35	Grey massive quartzite	QITE			21334
35	36	Grey massive quartzite	QITE	5% fine veinlets		21335
36	37	Grey massive quartzite	QITE			21336
37	38	Grey massive quartzite	QITE			21337
38	39	Grey massive quartzite	QITE			21338
39	40	Grey massive quartzite	QITE			21339
40	41	Grey massive quartzite	QITE			21340
41	42	Grey massive quartzite	QITE			21341
42	43	Dark grey finely spotted quartzite	HF			21342
43	44	Dark grey finely spotted quartzite	HF			21343
44	45	Light grey massive quartzite	QITE			21344
45	46	Light grey massive quartzite	QITE			21345
46	47	Light grey massive quartzite	QITE			21346
47	48	Dark grey quartzite with rare coarse spotting	HF			21347
48	49	Dark grey quartzite with rare coarse spotting	HF			21348
49	50	Dark grey quartzite with rare coarse spotting	HF			21349
50	51	Fine grained well spotted hornfels	HF			21350
51	52	Fine grained massive grey quartzite	QITE			21351
52	53	Fine grained massive grey quartzite	QITE	5% chips		21352
53	54	Fine grained massive grey quartzite	QITE			21353
54	55	Fine grained massive grey quartzite	QITE			21354
55	56	Fine grained massive grey quartzite	QITE			21355
56	57	Fine grained massive grey quartzite	QITE			21356
57	58	Fine grained massive grey quartzite	QITE			21357
58	59	Dark pink green fmgrained massive hornfels	HF			21358
59	60	Dark pink green fmgrained massive hornfels	HF			21359
60	61	Grey massive mgrained spotted hornfels	HF			21360
61	62	Mixed fgr. grey-spotted green-dark pink hornfels	HF			21361
62	63	Mixed fgr. grey-spotted green-dark pink hornfels	HF			21362
63	64	Dark green well spotted hornfels	HF			21363
64	65	Dark green well spotted hornfels	HF			21364
65	66	Dark green well spotted hornfels	HF			21365
66	67	Dark green well spotted hornfels	HF			21366
		EOH				

DRILL HOLE		RCGR 2					
DATE	28/07/92						
COLLAR	415571N 585875E						
AZIMUTH	110 Mag						
INCLN	-60						
LOGGED BY	J.Randell						
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO.	
0	1	Mixed quartz sandstone and ferruginous siltstone	SST/SLT				21367
1	2	Fine grained yellow brown siltstone	SLT				21368
2	3	50% spotted fine grained sandstone 50% brown siliceous siltstone	SST/SLT		Fine ferrug. fractures		21369
3	4	Grey silicified siltstone/sandstone	SST/SLT		Fine ferrug. fractures		21370
4	5	Grey silicified siltstone/sandstone	SST/SLT		30% fine ferrug. fractures		21371
5	6	Grey silicified siltstone/sandstone	SST/SLT		20% fine ferrug. fractures		21372
6	7	Grey silicified siltstone/sandstone	SST/SLT		20% fine ferrug. fractures		21373
7	8	Grey silicified siltstone/sandstone	SST/SLT		20% fine ferrug. fractures		21374
8	9	Grey silicified siltstone/sandstone	SST/SLT		10% fine ferrug. fractures		21375
9	10	Grey silicified fine grained sandstone	SST		Rare ferrug. network		21376
10	11	Grey silicified fine grained sandstone	SST		Rare ferrug. network		21377
11	12	Grey silicified fine grained sandstone	SST		Rare ferrug. network		21378
12	13	Grey silicified fine grained sandstone	SST				21379
13	14	Grey silicified fine grained sandstone	SST		10% fine ferrug. fractures		21380
14	15	Grey silicified fine grained sandstone	SST				21381
15	16	Grey silicified fine grained sandstone	SST		10% fine ferrug. fractures		21382
16	17	Grey silicified fine grained sandstone	SST				21383
17	18	Grey silicified fine grained sandstone	SST		10% ferrug. silty chips		21384
18	19	Grey silicified fine grained sandstone	SST		20% fine ferrug. fractured silt		21385
19	20	Grey silicified fine grained sandstone	SST		10% fine ferrug. fractured silt		21386
20	21	Grey silicified fine grained sandstone	SST		15% fine ferrug. fractured silt		21387
21	22	Grey silicified fine grained sandstone	SST		10% fine ferrug. fractured silt		21388
22	23	Grey silicified fine grained sandstone	SST		5% fine ferrug. fractured silt		21389
23	24	Grey silicified fine grained sandstone	SST		5% fine ferrug. fractured silt		21390
24	25	Dark grey massive siliceous quartzite	QITE				21391
25	26	70% Dark grey massive siliceous quartzite 30% fractured siltst	QITE				21392
26	27	Grey fine grained siliceous siltstone	SLT				21393
27	28	90% Grey fine grained siliceous siltstone 10% ferrug. siltst	SLT				21394
28	29	Light grey siliceous siltstone	SLT				21395
29	30	Light grey siliceous siltstone	SLT				21396
30	31	Light grey siliceous siltstone	SLT				21397
31	32	Light grey siliceous siltstone	SLT				21398
32	33	Light grey siliceous quartzite	QITE				21399
33	34	Light grey siliceous quartzite	QITE				21400
34	35	Light grey siliceous quartzite	QITE				21401
35	36	Light grey siliceous quartzite	QITE				21402
36	37	Mixed light/dark grey siliceous quartzite, some chl-felds blebs	QITE				21403
37	38	Mixed grey/green/red siliceous quartzite	QITE				21404
38	39	Dark grey/green/red spotted hornfels	HF				21405
39	40	Dark grey/green/red spotted hornfels	HF				21406
40	41	Dark grey/green/red spotted hornfels	HF				21407
41	42	Dark grey/green/red spotted hornfels	HF				21408
42	43	Dark pink green massive hornfels	HF				21409
43	44	Dark pink green massive hornfels	HF				21410
44	45	Dark green grey massive hornfels	HF				21411
45	46	Dark green grey massive hornfels, some spotting	HF				21412
46	47	Dark green grey massive hornfels, well spotted	HF				21413
47	48	Dark green grey massive hornfels, well spotted	HF				21414
48	49	Dark green grey massive hornfels	HF				21415
49	50	Dark green grey massive hornfels	HF				21416
50	51	Dark green grey massive hornfels	HF				21417
51	52	Dark green grey massive hornfels	HF				21418
52	53	Dark green grey massive hornfels	HF				21419
53	54	Dark green grey massive hornfels	HF				21420
54	55	Dark green grey massive hornfels, some chl fractures	HF				21421
55	56	Dark green grey massive hornfels	HF				21422
56	57	Dark green grey massive hornfels	HF				21423
57	58	Dark green grey massive hornfels	HF				21424
58	59	Dark green grey massive hornfels	HF				21425
59	60	Dark green red massive hornfels	HF				21426
60	61	Dark green red massive hornfels	HF				21427
61	62	Dark pink massive hornfels with chl fractures	HF				21428
62	63	Dark green pink and bleached massive hornfels	HF				21429
63	64	Dark green grey massive hornfels	HF	5-7% fine veinlets			21430
64	65	Dark green grey massive hornfels	HF	5-7% fine veinlets			21431
65	66	Dark green grey massive hornfels	HF	trace veinlets			21432
66	67	Dark green grey massive hornfels	HF	trace veinlets			21433
67	68	Dark green grey massive hornfels	HF	trace veinlets			21434
68	69	Dark green grey massive hornfels	HF				21435
69	70	Dark green grey massive hornfels	HF				21436
70	71	Dark green grey massive hornfels	HF				21437

DRILL HOLE		RCGR-3					
DATE	31/07/92	COORDS	415544N 585897E				
AZIMUTH	110 Mag	INCLN	-60				
LOGGED BY	J Rendell						
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO.	AU (F.A)
0	1	Yellow brown siltstone	SLT			21438	0.084
1	2	Yellow brown siltstone and off white sandstone	SLT			21439	0.041
2	3	Yellow brown sandstone	SST		5% ferruginous fractures	21440	0.277
3	4	Pale green sandstone	SST		5-7% fine ferruginous fractures	21441	0.154
4	5	Pale green sandstone	SST		5-7% fine ferruginous fractures	21442	0.118
5	6	Light grey green sandstone	SST		7-10% fine ferruginous fractures	21443	0.095
6	7	Light grey green sandstone	SST		7-10% fine ferruginous fractures	21444	0.178
7	8	Light grey green sandstone	SST		7-10% fine ferruginous fractures	21445	0.144
8	9	Grey sandstone	SST		Tr-3% fine ferruginous fractures	21446	0.044
9	10	Grey sandstone	SST		3%-5% fine ferruginous fractures	21447	0.25
10	11	Grey massive sandstone	SST		Rare fine ferruginous fractures	21448	0.104
11	12	Grey massive sandstone	SST			21449	0.308
12	13	Grey massive sandstone	SST		2-3% fine ferruginous fractures	21450	0.025
13	14	Grey massive sandstone	SST		Trace fine ferruginous fractures	21451	0.05
14	15	Grey green fractured sandstone	SST		2-3% fine fractures	21452	0.046
15	16	Grey green fractured sandstone	SST		3-5% fine fractures	21453	0.025
16	17	Grey green fractured sandstone	SST	2-3% clear quartz	3-5% fine fractures	21454	0.014
17	18	Light and dark grey massive silicified sandstone	SST	Trace hairlike qtz		21455	0.067
18	19	Light and dark grey massive silicified sandstone	SST		Rare ferruginous fractures	21456	0.059
19	20	Dark grey massive silicified sandstone	SST	Rare veinlets		21457	0.102
20	21	Dark grey massive silicified sandstone	SST			21458	0.278
21	22	Light grey massive spotted quartzite	QITE		5% ferruginous fractures	21459	0.375
22	23	Light grey massive spotted quartzite	QITE	Rare quartz	Numerous ferruginous fractures	21460	0.853
23	24	Light grey massive spotted quartzite	QITE		Minor ferruginous fractures	21461	0.423
24	25	Grey pink well spotted hornfels	HF			21462	0.401
25	26	Grey pink well spotted hornfels	HF			21463	0.67
26	27	Grey pink well spotted hornfels	HF			21464	0.461
27	28	Grey pink well spotted hornfels	HF		Trace arsenopyrite	21465	2.21
28	29	Light grey finely spotted hornfels	HF	2-3% veinlets		21466	8.04
29	30	Light grey finely spotted hornfels	HF	Trace veinlets		21467	9.38
30	31	Dark pink grey massive hornfels	HF			21468	2.08
31	32	Dark pink grey massive hornfels	HF			21469	3.45
32	33	Dark pink grey massive hornfels	HF			21470	1.31
33	34	Dark grey massive spotted hornfels	HF			21471	0.043
34	35	Dark grey massive spotted hornfels	HF			21472	0.045
35	36	Dark grey massive spotted hornfels	HF	Rare veinlets		21473	0.241
36	37	Dark grey green massive hornfels	HF			21474	1.14
37	38	Dark grey green massive hornfels	HF	Trace veinlets		21475	0.052
38	39	Dark grey green massive hornfels	HF	Trace veinlets		21476	0.375
39	40	Dark grey pink massive hornfels	HF			21477	0.027
40	41	Dark grey pink massive hornfels	HF			21478	0.029
41	42	Dark grey pink massive hornfels	HF			21479	0.014
42	43	Dark grey pink massive hornfels	HF			21480	0.086
43	44	Dark grey pink massive hornfels	HF			21481	0.08
44	45	Dark grey pink massive hornfels	HF	Trace veinlets		21482	0.167
45	46	Dark grey pink massive hornfels	HF			21483	0.356
46	47	Dark grey pink massive hornfels	HF			21484	0.06
47	48	Dark green massive hornfels	HF			21485	0.016
48	49	Dark green massive hornfels	HF			21486	0.019
49	50	Dark green massive hornfels	HF			21487	0.063
50	51	Dark green massive hornfels	HF			21488	0.152
51	52	Dark green massive hornfels	HF			21489	0.024
52	53	Dark green massive hornfels	HF			21490	0.027
53	54	Dark green massive hornfels	HF			21491	0.073
54	55	Dark green massive hornfels	HF			21492	0.031
55	56	Dark green massive hornfels	HF			21493	0.089
56	57	Dark green massive hornfels	HF			21494	0.008
57	58	Dark green massive hornfels	HF			21495	0.01
58	59	Dark green massive hornfels	HF			21496	0.046
59	60	Dark green massive hornfels	HF			21497	0.074
60	61	Dark green massive hornfels	HF			21498	0.02
61	62	Dark green massive hornfels	HF			21499	0.367
62	63	Dark green massive hornfels	HF			21500	<0.005
63	64	Dark green massive hornfels	HF	Trace veinlets		21501	0.073
64	65	Dark green massive hornfels	HF	Trace veinlets		21502	0.03
65	66	Dark pink green massive hornfels	HF			21503	0.122
66	67	Dark pink green massive hornfels	HF			21504	0.048
67	68	Dark pink green massive hornfels	HF			21505	0.489
		EOH					

DRILL HOLE		RCGR 4				
DATE	4/08/92					
COORDS	415514N 585918E					
AZIMUTH	110 Mag					
INCLN	-60					
LOGGED BY	J.Randell					
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO
0	1	Rubble	RBL			No sample
1	2	Yellow brown grey siltstone	SLT		Trace fine veinlets	21506
2	3	Grey massive silty sandstone	SST		5% network veinlets	21507
3	4	Orange brown grey silty sandstone	SST		5-10% ferruginous veinlets	21508
4	5	Pale green grey silty sandstone, some spotting	SST		2-5% ferruginous veinlets	21509
5	6	Dark green grey silicified sandstone	SST		2-3% ferruginous fractures	21510
6	7	Dark grey micaceous fine sandstone	SST		2-3% ferruginous fractures	21511
7	8	Dark grey red micaceous fine sandstone	SST		2-3% ferruginous fractures	21512
8	9	Dark grey red micaceous fine sandstone	SST		Trace -2% fine fractures	21513
9	10	Light grey green silty sandstone	SST		Trace -2% fine fractures	21514
10	11	Light grey siliceous sandstone	SST	Trace chips	Trace -2% fine fractures	21515
11	12	Light grey massive quartzite	QITE			21516
12	13	Light grey massive quartzite	QITE			21517
13	14	Light grey massive quartzite	QITE			21518
14	15	Light grey massive quartzite	QITE	5-7% veins > 1cm		21519
15	16	Light grey massive quartzite	QITE		Trace ferruginous fractures	21520
16	17	Light grey massive quartzite	QITE		Trace -3% ferruginous fractures	21521
17	18	Light grey massive quartzite	QITE		Trace -3% ferruginous fractures	21522
18	19	Light grey massive quartzite	QITE	Trace chips	5-10% ferruginous fractures	21523
19	20	Light grey massive quartzite	QITE		Trace ferruginous fractures	21524
20	21	Dark grey green massive granular hornfels	HF			21525
21	22	Dark grey green massive granular hornfels	HF			21526
22	23	Dark grey green massive granular hornfels	HF			21527
23	24	Dark grey green massive granular hornfels	HF		Trace fractures	21528
24	25	Dark grey green massive granular hornfels	HF	5-7% ferruginous qtz		21529
25	26	Dark grey green massive granular hornfels	HF		Trace ferruginous fractures	21530
26	27	Light grey granular quartzite	QITE		2-3% ferruginous fractures	21531
27	28	Light grey granular quartzite	QITE		Trace ferruginous fractures	21532
28	29	Light grey green massive hornfels	HF			21533
29	30	Light grey green massive hornfels	HF			21534
30	31	Light grey green massive hornfels	HF	3-5% chips		21535
31	32	Light grey green massive hornfels	HF			21536
32	33	Dark green massive spotted hornfels	HF	5-7% clear quartz		21537
33	34	Dark green massive spotted hornfels	HF		5-7% ferruginous veinlets	21538
34	35	Light grey green silicified hornfelsed sediment	HF		5% ferruginous fractures	21539
35	36	Light grey green silicified hornfelsed sediment	HF	5-10% clear quartz		21540
36	37	Dark grey granular hornfels	HF	5% ferruginous qtz		21541
37	38	Dark grey granular hornfels	HF	5% ferruginous qtz		21542
38	39	Dark grey green massive hornfels	HF			21543
39	40	Dark grey green massive hornfels	HF	Trace chips		21544
40	41	Dark grey green massive hornfels	HF			21545
41	42	Dark green grey spotted hornfels	HF		Trace ferruginous fractures	21546
42	43	Dark green grey spotted hornfels	HF			21547
43	44	Dark green grey spotted hornfels	HF			21548
44	45	Dark green grey spotted hornfels	HF			21549
45	46	Dark green grey spotted hornfels	HF			21550
46	47	Dark green grey spotted hornfels	HF			21551
47	48	Dark grey green massive hornfels	HF			21552
48	49	Dark grey green massive hornfels	HF			21553
49	50	Dark grey green massive hornfels	HF			21554
50	51	Dark grey green massive hornfels	HF		Trace ferruginous fractures	21555
51	52	Dark grey green massive hornfels	HF		Trace ferruginous fractures	21556
52	53	Dark grey green massive hornfels	HF		2-5% ferruginous fractures	21557
53	54	Dark grey green massive hornfels	HF		2-5% ferruginous fractures	21558
54	55	Dark grey green massive hornfels	HF		2-5% ferruginous fractures	21559
55	56	Dark grey green massive hornfels	HF		Trace ferruginous fractures	21560
56	57	Dark grey green massive hornfels	HF			21561
57	58	Dark grey green massive hornfels	HF			21562
58	59	Dark grey green massive hornfels	HF			21563
59	60	Dark grey green massive hornfels	HF			21564
60	61	Dark grey green massive hornfels	HF			21565
61	62	Dark grey green massive hornfels	HF			21566
62	63	Dark grey green red spotted hornfels	HF			21567
63	64	Dark grey green red spotted hornfels	HF			21568
64	65	Dark grey green red spotted hornfels	HF			21569
65	66	Light to dark green red massive hornfels	HF			21570
66	67	Light to dark green red massive hornfels	HF			21571
67	68	Light to dark green red massive hornfels	HF	Trace quartz		21572
		EOH				

DRILL HOLE		RCGR 5					
DATE	7/08/92						
COORDS	418400N 588100E						
AZIMUTH	078 Mag						
INCLN	-50						
LOGGED BY	J.Randell						
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO	
0	1	No Sample					
1	2	No Sample					
2	3	No Sample					
3	4	No Sample					
4	5	No Sample					
5	6	No Sample					
6	7	Yellow brown fine grained silty sediments. RUBBLE	RBL			21573	
7	8	Yellow brown fine grained silty sediments. RUBBLE	RBL			21574	
8	9	As above + clear quartz	RBL			21575	
9	10	As above + micaceous sands	RBL			21576	
10	11	Khaki brown quartz and mica sands	GRN			21577	
11	12	Khaki brown quartz and mica sands	GRN			21578	
12	13	Khaki brown quartz and mica sands	GRN			21579	
13	14	Khaki brown quartz and mica sands	GRN			21580	
14	15	Khaki brown quartz and mica sands	GRN			21581	
15	16	Khaki brown quartz and mica sands	GRN			21582	
16	17	Khaki brown quartz and mica sands	GRN			21583	
17	18	Khaki brown quartz and mica sands	GRN			21584	
18	19	Khaki brown quartz and mica sands	GRN			21585	
19	20	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace - 2% dissem Aspy/Py	21586	
20	21	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace dissem Aspy/Py	21587	
21	22	Fresh medium grained qtz bio(felds mica) granite	GRN			21588	
22	23	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace dissem Aspy/Py	21589	
23	24	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace dissem Aspy/Py	21590	
24	25	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace dissem Aspy/Py	21591	
25	26	Fresh medium grained qtz bio(felds mica) granite	GRN			21592	
26	27	No Sample				21593	
27	28	No Sample				21594	
28	29	Fresh medium grained qtz bio(felds mica) granite	GRN			21595	
29	30	Fresh medium grained qtz bio(felds mica) granite	GRN			21596	
30	31	Fresh medium grained qtz bio(felds mica) granite	GRN			21597	
31	32	Fresh medium grained qtz bio(felds mica) granite	GRN			21598	
32	33	Fresh medium grained qtz bio(felds mica) granite	GRN			21599	
33	34	Fresh medium grained qtz bio(felds mica) granite	GRN			21600	
34	35	Fresh medium grained qtz bio(felds mica) granite	GRN			21601	
35	36	Fresh medium grained qtz bio(felds mica) granite	GRN			21602	
36	37	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace Aspy veinlets	21603	
37	38	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace Aspy veinlets	21604	
38	39	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace Aspy veinlets	21605	
39	40	Fresh medium grained qtz bio(felds mica) granite	GRN			21606	
40	41	Fresh medium grained qtz bio(felds mica) granite	GRN			21607	
41	42	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21608	
42	43	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21609	
43	44	Fresh medium grained qtz bio(felds mica) granite	GRN			21610	
44	45	Fresh medium grained qtz bio(felds mica) granite	GRN			21611	
45	46	Fresh medium grained qtz bio(felds mica) granite	GRN			21612	
46	47	Fresh medium grained qtz bio(felds mica) granite	GRN			21613	
47	48	Fresh medium grained qtz bio(felds mica) granite	GRN			21614	
48	49	Fresh medium grained qtz bio(felds mica) granite	GRN			21615	
49	50	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21616	
50	51	Fresh medium grained qtz bio(felds mica) granite	GRN			21617	
51	52	Fresh medium grained qtz bio(felds mica) granite	GRN			21618	
52	53	Fresh medium grained qtz bio(felds mica) granite	GRN			21619	
53	54	Fresh medium grained qtz bio(felds mica) granite	GRN			21620	
54	55	Fresh medium grained qtz bio(felds mica) granite	GRN			21621	
55	56	Fresh medium grained qtz bio(felds mica) granite	GRN			21622	
56	57	Fresh medium grained qtz bio(felds mica) granite	GRN			21623	
57	58	Fresh medium grained qtz bio(felds mica) granite	GRN			21624	
58	59	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace pyrite	21625	
59	60	Fresh medium grained qtz bio(felds mica) granite	GRN			21626	
60	61	Fresh medium grained qtz bio(felds mica) granite	GRN			21627	
61	62	Fresh medium grained qtz bio(felds mica) granite	GRN			21628	
62	63	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21629	
63	64	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21630	
64	65	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21631	
65	66	Fresh medium grained qtz bio(felds mica) granite	GRN			21632	
66	67	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace sulphide	21633	
67	68	Fresh medium grained qtz bio(felds mica) granite	GRN			21634	
68	69	Fresh medium grained qtz bio(felds mica) granite	GRN			21635	
69	70	Fresh medium grained qtz bio(felds mica) granite	GRN			21636	
70	71	Fresh medium grained qtz bio(felds mica) granite	GRN			21637	
71	72	Fresh medium grained qtz bio(felds mica) granite	GRN			21638	
72	73	Fresh medium grained qtz bio(felds mica) granite	GRN		Trace disseminated pyrite	21639	
73	74	Fresh medium grained qtz bio(felds mica) granite	GRN			21640	
74	75	Fresh medium grained qtz bio(felds mica) granite	GRN			21641	
75	76	Fresh medium grained qtz bio(felds mica) granite	GRN			21642	
76	77	Fresh medium grained qtz bio(felds mica) granite	GRN			21643	
77	78	Fresh medium grained qtz bio(felds mica) granite	GRN			21644	
78	79	Fresh medium grained qtz bio(felds mica) granite	GRN			21645	

DRILL HOLE		RCGR 5					
DATE	7/08/92	COORDS	416400N 588100E	AZIMUTH	078 Mag	INCLN	-50
LOGGED BY	J.Randell						
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO.	
79	80	Fresh medium grained qtz bio(felds mica) granite	GRN			21646	
80	81	Fresh medium grained qtz bio(felds mica) granite	GRN			21647	
81	82	Fresh medium grained qtz bio(felds mica) granite	GRN	Minor qtz carb vns		21648	
82	83	Fresh medium grained qtz bio(felds mica) granite	GRN			21649	
83	84	Fresh medium grained qtz bio(felds mica) granite	GRN	Rare veinlets		21650	
84	85	Fresh medium grained qtz bio(felds mica) granite	GRN			21651	
85	86	Dark green grey massive siliceous spotted hornfels	HF			21652	
86	87	Dark green grey massive siliceous spotted hornfels	HF		Trace disseminated sulphide	21653	
87	88	Dark green grey massive siliceous spotted hornfels	HF			21654	
88	89	Dark green grey massive siliceous spotted hornfels	HF			21655	
89	90	Dark green grey massive siliceous spotted hornfels	HF		Trace smears pyrite	21656	
90	91	Dark green grey massive siliceous spotted hornfels	HF	5% clear qtz	Trace smears pyrite	21657	
91	92	Dark green grey massive siliceous spotted hornfels	HF	Trace qtz	Trace smears pyrite	21658	
92	93	Dark green grey massive siliceous spotted hornfels	HF		Trace smears pyrite	21659	
93	94	Dark green grey massive siliceous spotted hornfels	HF		Trace smears pyrite	21660	
94	95	Dark green grey massive siliceous spotted hornfels	HF		2% dissem sulphide	21661	
95	96	Dark green grey massive siliceous spotted hornfels	HF		Trace dissem sulphide	21662	
96	97	Dark green grey massive siliceous spotted hornfels	HF		2-3% dissem sulphide	21663	
97	98	Dark green grey massive siliceous spotted hornfels	HF	Rare veinlets	2-3% dissem sulphide	21664	
98	99	Dark green grey massive siliceous spotted hornfels	HF		Trace sulphide	21665	
99	100	Dark green grey massive siliceous spotted hornfels	HF			21666	
		EOH					

DRILL HOLE		RCGR 6				
DATE	17/08/92					
COORDS	416400N 588232E					
AZIMUTH	250 Mag					
INCLN	-50					
LOGGED BY	J.Randell					
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO
0	1	No Sample				
1	2	No Sample				
2	3	Yellow green massive m grained hornfelsed arenite				21667
3	4	Yellow green massive m grained hornfelsed arenite				21668
4	5	Yellow green massive m grained hornfelsed arenite				21669
5	6	Massive yellowy green sugary sandstone				21670
6	7	Massive yellowy green sugary sandstone				21671
7	8	Massive yellowy green sugary sandstone		5-7% clear quartz		21672
8	9	Massive yellowy green sugary sandstone				21673
9	10	Massive yellowy green hornfelsed sugary sandstone		2-3% clear quartz		21674
10	11	Massive yellowy green hornfelsed sugary sandstone		Trace clear quartz		21675
11	12	Layered yellowy green hornfelsed sugary sandstone		Trace clear quartz		21676
12	13	Layered yellowy green hornfelsed sugary sandstone				21677
13	14	Layered yellowy green hornfelsed sugary sandstone		Trace clear qtz + felds		21678
14	15	Layered yellowy green hornfelsed sugary sandstone				21679
15	16	Layered yellowy green hornfelsed sugary sandstone				21680
16	17	Layered yellowy green hornfelsed sugary sandstone				21681
17	18	Layered yellowy green hornfelsed sugary sandstone				21682
18	19	Layered yellowy green hornfelsed sugary sandstone				21683
19	20	Massive fine grained grey spotted hornfels				21684
20	21	Massive fine grained grey spotted hornfels				21685
21	22	Massive fine grained grey spotted hornfels				21686
22	23	Massive fine grained grey spotted hornfels		Trace qtz felds vnlets		21687
23	24	Massive fine grained grey spotted hornfels		10-15% silic. qtz		21688
24	25	Massive fine grained grey spotted hornfels				21689
25	26	Massive fine grained grey spotted hornfels		Trace quartz		21690
26	27	Fine grained massive grey silicified hornfels				21691
27	28	Fine grained massive grey silicified hornfels				21692
28	29	Fine grained massive grey silicified hornfels			Trace ferruginization	21693
29	30	Fine grained massive grey silicified hornfels				21694
30	31	Fine grained massive grey silicified hornfels				21695
31	32	Fine grained massive grey silicified hornfels				21696
32	33	Fine grained massive grey silicified hornfels		Trace white quartz		21697
33	34	Fine grained massive grey silicified hornfels				21698
34	35	Fine grained massive grey silicified hornfels		Trace white quartz		21699
35	36	Fine grained massive grey silicified hornfels				21700
36	37	Fine grained massive grey silicified hornfels				21701
37	38	Fine grained massive grey silicified hornfels				21702
38	39	Fine grained massive grey silicified hornfels		Trace qtz vnlets		21703
39	40	Fine grained massive grey silicified hornfels				21704
40	41	Fine grained massive grey silicified hornfels				21705
41	42	Fine grained massive grey silicified hornfels				21706
42	43	Fine grained massive grey silicified hornfels				21707
43	44	Fine grained massive grey silicified hornfels				21708
44	45	Fine grained massive grey silicified hornfels				21709
45	46	Fine grained massive grey silicified hornfels				21710
46	47	Fine grained massive grey silicified hornfels				21711
47	48	Fine grained massive grey silicified hornfels		Trace qtz vnlets		21712
48	49	Fine grained massive grey silicified hornfels				21713
49	50	Fine grained massive grey silicified hornfels				21714
50	51	Fine grained massive grey silicified hornfels				21715
51	52	Fine grained massive grey silicified hornfels				21716
52	53	Fine grained massive grey silicified hornfels				21717
53	54	Fine grained massive grey silicified hornfels		Trace qtz vnlets		21718
54	55	Fine grained massive grey silicified hornfels				21719
55	56	Fine grained massive grey silicified hornfels				21720
56	57	Fine grained massive grey silicified hornfels				21721
57	58	Fine grained massive grey silicified hornfels				21722
58	59	Fine grained massive grey silicified hornfels				21723
59	60	Fine grained massive grey silicified hornfels				21724
60	61	Fine grained light grey hornfels				21725
61	62	Fine grained light grey hornfels			Trace smears pyrite	21726
62	63	Fine grained light grey hornfels				21727
63	64	Fine grained light grey hornfels		Trace qtz-epidote vns		21728
64	65	Fine grained light grey hornfels				21729
65	66	Fine grained light grey hornfels				21730
66	67	Fine grained light grey hornfels		5-7% qtz-felds-epidote		21731
67	68	Fine grained light grey hornfels		Trace qtz-epi-felds		21732
68	69	Coarse grained quartz-epidote-felds-biotite granite GRN				21733
69	70	80% coarse hornfels 20% granitoid		5% quartz veinlets		21734
70	71	50% hornfels 50% granitoid				21735
71	72	Bleached silicified quartzite and hornfels		7-10% white quartz		21736
72	73	Bleached silicified quartzite and hornfels		5-10% white quartz	7-10% veinlets and smears pyrite	21737
73	74	Medium grained hornfels and bleached quartzite		Trace quartz		21738
74	75	Medium grained hornfels and bleached quartzite				21739
75	76	Fine grained massive silicified quartzite		5-10% white quartz	Trace -5% smears pyrite	21740
76	77	Fine grained massive silicified quartzite		5% white quartz	Trace sulphide	21741
77	78	Fine grained massive silicified quartzite		Trace-3% white quartz		21742
78	79	Fine grained massive silicified quartzite				21743
79	80	Medium grained dark grey hornfels				21744
80	81	Medium grained dark grey hornfels			Trace smears pyrite	21745
81	82	Medium grained dark grey hornfels				21746

DRIILL HOLE		RCGR 6					
DATE	17/08/92						
COORDS	416400N 588232E						
AZIMUTH	250 Mag						
INCLN	-50						
LOGGED BY	J.Randell						
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO.	
82	83	Medium grained dark grey hornfels		Trace -5% white quartz		21747	
83	84	Medium grained dark grey hornfels		Trace -5% white quartz		21748	
84	85	Medium grained dark grey hornfels				21749	
85	86	Medium grained dark grey hornfels				21750	
86	87	Medium grained dark grey hornfels				21751	
87	88	Medium grained dark grey hornfels				21752	
88	89	Medium grained dark grey hornfels		Trace felds-epidote clots		21753	
89	90	Medium grained dark grey hornfels				21754	
90	91	Medium grained dark grey hornfels		Trace white quartz		21755	
91	92	Medium grained dark grey hornfels		Trace white quartz		21756	
92	93	Medium grained dark grey hornfels		Trace quartz-epi-felds		21757	
93	94	Medium grained dark grey hornfels				21758	
94	95	Medium grained dark grey hornfels				21759	
95	96	Medium grained dark grey hornfels				21760	
96	97	Medium grained dark grey hornfels		10%qtz-epi veins		21761	
97	98	70%Medium grained hornfels 30%granitoid				21762	
98	99	Banded medium grained hornfels		5% opaque quartz		21763	
99	100	Banded medium grained hornfels				21764	
100	101	Banded medium grained hornfels		5% white quartz		21765	
		EOH					

DRILL HOLE		ROGR 7					
DATE		18/08/92					
COORDS		416400N 588243E					
AZIMUTH		070 Mag					
INCLN		-50					
LOGGED BY		J Randell					
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO.	
0	1	No Sample					
1	2	Massive yellow brown spotted hornfelsed sandstone	SST				21766
2	3	Massive yellow brown spotted hornfelsed sandstone	SST				21767
3	4	Massive yellow brown spotted hornfelsed sandstone	SST	Trace ferruginous quartz			21768
4	5	Massive yellow brown spotted hornfelsed sandstone	SST				21769
5	6	Dark green layered m.grained spotted hornfelsed sandstone	SST				21770
6	7	Dark green layered m.grained spotted hornfelsed sandstone	SST				21771
7	8	Dark green layered m.grained spotted hornfelsed sandstone	SST				21772
8	9	Dark green layered m.grained spotted hornfelsed sandstone	SST	Trace quartz			21773
9	10	Dark green layered m.grained spotted hornfelsed sandstone	SST				21774
10	11	Dark green layered m.grained spotted hornfelsed sandstone	SST				21775
11	12	Dark green layered m.grained spotted hornfelsed sandstone	SST				21776
12	13	Dark green layered m.grained spotted hornfelsed sandstone	SST				21777
13	14	Dark green layered m.grained spotted hornfelsed sandstone	SST				21778
14	15	Dark green layered m.grained spotted hornfelsed sandstone	SST				21779
15	16	Dark green layered m.grained spotted hornfelsed sandstone	SST				21780
16	17	Dark green layered m.grained spotted hornfelsed sandstone	SST				21781
17	18	Dark green layered m.grained spotted hornfelsed sandstone	SST	Trace quartz			21782
18	19	Dark green layered m.grained spotted hornfelsed sandstone	SST	Trace ferruginous fractures			21783
19	20	Dark green layered m.grained spotted hornfelsed sandstone	SST				21784
20	21	Dark green layered m.grained spotted hornfelsed sandstone	SST				21785
21	22	Dark green layered m.grained spotted hornfelsed sandstone	SST				21786
22	23	Dark green layered m.grained spotted hornfelsed sandstone	SST				21787
23	24	Dark green layered m.grained spotted hornfelsed sandstone	SST				21788
24	25	Dark green layered m.grained spotted hornfelsed sandstone	SST				21789
25	26	Dark green layered m.grained spotted hornfelsed sandstone	SST				21790
26	27	Dark green layered m.grained spotted hornfelsed sandstone	SST				21791
27	28	Light grey massive medium grained spotted hornfels	HF				21792
28	29	Light grey massive medium grained spotted hornfels	HF				21793
29	30	Light grey massive medium grained spotted hornfels	HF				21794
30	31	Light grey massive medium grained spotted hornfels	HF				21795
31	32	Light grey massive medium grained spotted hornfels	HF				21796
32	33	Light grey massive medium grained spotted hornfels	HF				21797
33	34	Light grey massive medium grained spotted hornfels	HF				21798
34	35	Light grey massive medium grained spotted hornfels	HF				21799
35	36	Light grey massive medium grained spotted hornfels	HF				21800
36	37	Light grey massive medium grained spotted hornfels	HF				21801
37	38	Light grey massive medium grained spotted hornfels	HF				21802
38	39	Light grey massive medium grained spotted hornfels	HF				21803
39	40	Light grey massive medium grained spotted hornfels	HF		5% disseminated pyrite		21804
40	41	Light grey massive medium grained spotted hornfels	HF	5% milky quartz	5% disseminated pyrite		21805
41	42	Light grey massive medium grained spotted hornfels	HF	5-7% clear quartz	Rare disseminated pyrite		21806
42	43	Light grey massive medium grained spotted hornfels	HF	5% milky quartz	Trace disseminated pyrite		21807
43	44	Light grey massive medium grained spotted hornfels	HF	Trace milky quartz	Trace disseminated pyrite		21808
44	45	Light grey massive medium grained spotted hornfels	HF	5% clear quartz	Trace disseminated pyrite		21809
45	46	Dark grey spotted and banded hornfels	HF	Rare quartz	5-7% disseminated and smears py		21810
46	47	Dark grey spotted and banded hornfels	HF	Rare quartz	5-7% disseminated and smears py		21811
47	48	Dark grey spotted and banded hornfels	HF	Rare quartz	5-7% disseminated and smears Py + AsP ₂		21812
48	49	Dark grey spotted and banded hornfels	HF	Trace bleached vnlts	5% disseminated and smears pyrite		21813
49	50	Dark grey spotted and banded hornfels	HF	Trace quartz	Trace - 5% diss and smears pyrite		21814
50	51	Dark grey spotted and banded hornfels	HF	Rare quartz	Rare diss and smears pyrite		21815
51	52	Dark grey spotted and banded hornfels	HF		Rare sulphide		21816
52	53	Dark grey spotted and banded hornfels	HF		Rare sulphide		21817
53	54	Light grey massive bleached hornfels	HF		Rare sulphide		21818
54	55	Light grey massive bleached hornfels	HF		Rare sulphide		21819
55	56	Light and dark grey variably spotted hornfels	HF	Rare quartz	Trace sulphide		21820
56	57	Dark grey massive hornfels	HF	5-7% quartz	Trace smears sulphide		21821
57	58	Dark grey massive hornfels	HF	Trace -3% quartz	Trace smears sulphide		21822
58	59	Dark grey massive hornfels	HF	5% quartz	Trace smears sulphide		21823
59	60	Dark grey massive hornfels and light grey bleached banded hornfels	HF		Trace -3% smears pyrite		21824
60	61	Dark grey massive spotted hornfels	HF	3% quartz	Trace disseminated pyrite		21825
61	62	Dark grey massive spotted hornfels	HF	3% quartz	Trace disseminated pyrite		21826
62	63	Dark grey massive hornfels and light grey bleached banded hornfels	HF	5% quartz	Trace smears pyrite		21827
63	64	Dark grey massive hornfels and light grey bleached banded hornfels	HF	Trace quartz	Trace smears pyrite		21828
64	65	Coarse grained silicified spotted hornfels	HF				21829
65	66	Coarse grained silicified spotted hornfels	HF	5% quartz	Trace disseminated pyrite		21830
66	67	Coarse grained silicified spotted hornfels	HF	Trace quartz			21831
67	68	Coarse grained silicified spotted hornfels	HF	Trace quartz	Trace disseminated pyrite		21832
68	69	Coarse grained silicified spotted hornfels	HF	Trace to 3% quartz	Trace py		21833
69	70	Coarse grained silicified spotted hornfels	HF	Trace to 3% quartz	Trace py		21834
70	71	Dark grey massive hornfels	HF	Trace to 3% quartz			21835
71	72	Dark grey massive hornfels	HF	Trace to 3% quartz			21836
72	73	Mixed dark grey massive, bleached and spotted hornfels	HF				21837
73	74	Mixed dark grey massive, bleached and spotted hornfels	HF				21838
74	75	Mixed dark grey massive, bleached and spotted hornfels	HF		Trace py		21839
75	76	Mixed dark grey massive, bleached and spotted hornfels	HF	Trace quartz	Trace py		21840
76	77	Mixed dark grey massive, bleached and spotted hornfels	HF	Trace quartz	Trace py		21841
77	78	Light grey bleached banded silicified hornfels	HF	Trace quartz	Trace py		21842
78	79	Light grey bleached banded silicified hornfels	HF	Trace quartz	Trace py		21843

DRILL HOLE	RCGR 7					
DATE	18/08/92					
COORDS	416400N 588243E					
AZIMUTH	070 Mag					
INCLN	-50					
LOGGED BY	J.Randell					
FROM	TO	LOG	CODE	QUARTZ	PYRITE	SAMPLE NO
79	80	Coarse grained spotted hornfels	HF		Trace to 3% py	21844
80	81	Coarse grained spotted hornfels	HF	10% quartz	3%pyrite	21845
81	82	Coarse grained spotted hornfels	HF	Trace to 3% quartz	3-5% pyrite	21846
82	83	Mixed dark grey massive and bleached silicified hornfels	HF	Trace quartz	Trace pyrite	21847
83	84	Mixed dark grey massive and spotted hornfels	HF			21848
84	85	Mixed dark grey massive and spotted hornfels	HF	Trace quartz	3% smears pyrite	21849
85	86	Coarse grained spotted hornfels	HF			21850
86	87	Coarse grained spotted hornfels	HF	5% quartz	Trace pyrite	21851
87	88	Light grey spotted hornfels	HF		Trace -3% veinlets pyrite	21852
88	89	Light grey spotted hornfels	HF	Rare quartz	Trace -3% veinlets pyrite	21853
89	90	Light and dark grey medium grainedspotted hornfels	HF	Trace quartz	Trace sulphide	21854
90	91	Light and dark grey medium grainedspotted hornfels	HF	Trace quartz	Trace sulphide	21855
91	92	Light and dark grey medium grainedspotted hornfels	HF	Trace to 3% quartz	Trace -3% sulphide	21856
92	93	Medium grained spotted hornfels	HF	Rare quartz		21857
93	94	Medium grained spotted hornfels	HF	Trace quartz	Trace pyrite	21858
94	95	Fine to medium grained spotted and massive hornfels	HF		Trace pyrite	21859
95	96	Fine to medium grained spotted and massive hornfels	HF	Trace quartz	Trace sulphide	21860
96	97	Fine to medium grained spotted and massive hornfels	HF			21861
97	98	Fine to medium grained spotted and massive hornfels	HF	Trace quartz	Trace pyrite	21862
98	99	Fine to medium grained spotted and massive hornfels	HF		Trace pyrite	21863
99	100	Fine to medium grained spotted and massive hornfels	HF	5% quartz	Trace pyrite	21864
100	EOH					

APPENDIX 2

Sample Assay Sheets RCGR 1-7



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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

024032

LJ30
846

Phone (004) 316837

14 Thirkell St. COBEE TAS 7320

Fax (004) 318870

ANALYTICAL REPORT No.

112960.60.08906

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

The Shell Company of Australia Ltd
Metals Division
P.O. Box 860
DEVONPORT TAS 7310

ORDER No.

PROJECT

11564

LJ30

DATE RECEIVED

RESULTS REQUIRED

31/07/92

ASAP

No. OF PAGES OF RESULTS

DATE REPORTED

No. OF COPIES

TOTAL No. OF SAMPLES

7

27/08/92

1

170

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

21301/470

PC Prod : GP019

Au, Au(R), Au(S)/66513

RESULTS

TO

Mr J P Randell
The Shell Company of Australia Ltd
P.O. Box 860
DEVONPORT TAS 7310

RESULTS

TO

RESULTS

TO

REMARKS

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PAGE

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27/08/92

11564

1 OF 7

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21301	<0.005	-	-					
2	21302	0.006	-	-					
3	21303	0.009	-	-					
4	21304	0.009	-	-					
5	21305	0.012	-	-					
6	21306	0.012	-	-					
7	21307	0.006	-	-					
8	21308	0.013	-	0.012					
9	21309	<0.005	-	-					
10	21310	<0.005	-	-					
11	21311	<0.005	-	-					
12	21312	0.007	-	-					
13	21313	0.010	-	-					
14	21314	0.013	-	-					
15	21315	0.018	-	-					
16	21316	0.023	-	-					
17	21317	0.006	-	-					
18	21318	0.005	-	-					
19	21319	<0.005	-	-					
20	21320	0.007	-	-					
21	21321	0.007	-	-					
22	21322	0.007	0.007	-					
23	21323	0.008	-	-					
24	21324	0.008	-	-					
25	21325	0.006	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

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CLIENT ORDER No.

PAGE

112960.60.08906

27/08/92

11564

2 OF 7

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21326	0.049	-	-					
2	21327	0.023	-	-					
3	21328	0.024	-	-					
4	21329	0.027	-	-					
5	21330	0.015	-	0.019					
	21331	0.606	-	-					
7	21332	0.194	0.195	-					
8	21333	0.019	-	-					
9	21334	0.005	-	-					
10	21335	<0.005	-	-					
11	21336	0.009	-	-					
12	21337	0.021	0.020	-					
13	21338	0.023	-	-					
14	21339	0.028	-	-					
15	21340	0.026	-	-					
16	21341	0.009	-	-					
17	21342	<0.005	-	-					
18	21343	0.019	-	-					
19	21344	0.027	-	-					
20	21345	0.017	-	-					
21	21346	0.106	-	-					
22	21347	0.027	0.045	-					
23	21348	0.020	-	-					
24	21349	0.018	-	-					
25	21350	<0.005	-	-					

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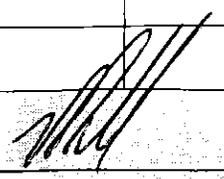
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3 OF 7

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21351	0.008	-	0.023					
2	21352	0.008	-	-					
3	21353	<0.005	-	-					
4	21354	0.041	-	-					
5	21355	0.020	-	-					
6	21356	0.031	-	-					
7	21357	<0.005	-	-					
8	21358	0.021	-	-					
9	21359	0.009	-	-					
10	21360	<0.005	-	-					
11	21361	<0.005	-	-					
12	21362	<0.005	0.006	-					
13	21363	<0.005	-	-					
14	21364	0.008	-	-					
15	21365	0.006	-	-					
16	21366	0.005	-	-					
17	21367	0.030	-	-					
18	21368	0.066	-	-					
19	21369	0.077	-	-					
20	21370	0.103	-	-					
21	21371	0.347	-	0.378					
22	21372	0.036	0.032	-					
23	21373	0.057	-	-					
24	21374	0.110	-	-					
25	21375	0.090	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
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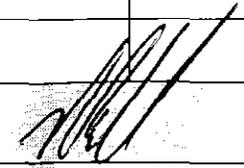
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4 OF 7

TUBE No.	SAMPLE No.	Au	Au(R)	Au(S)					
1	21376	0.128	-	-					
2	21377	0.092	-	-					
3	21378	0.018	-	-					
4	21379	0.031	-	-					
5	21380	0.049	-	-					
6	21381	0.028	-	-					
7	21382	0.021	-	-					
8	21383	0.032	-	-					
9	21384	0.022	-	-					
10	21385	0.023	-	-					
11	21386	0.010	-	-					
12	21387	0.014	0.017	-					
13	21388	0.011	-	-					
14	21389	0.007	-	-					
15	21390	0.007	-	-					
16	21391	0.005	-	-					
17	21392	0.019	-	0.024					
18	21393	<0.005	-	-					
19	21394	0.009	-	-					
20	21395	<0.005	-	-					
21	21396	0.005	-	-					
22	21397	0.018	0.015	-					
23	21398	0.019	-	-					
24	21399	0.008	-	-					
25	21400	<0.005	-	-					

Results in ppm unless otherwise specified
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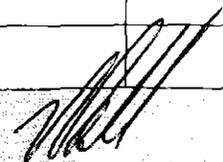
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5 OF 7

TUBE No.	SAMPLE No.	Au	Au(R)	Au(S)					
1	21401	0.135	-	-					
2	21402	0.248	-	-					
3	21403	0.029	-	-					
4	21404	0.032	-	-					
5	21405	0.091	-	-					
6	21406	0.374	0.365	0.464					
7	21407	0.364	-	-					
8	21408	0.030	-	-					
9	21409	0.021	-	-					
10	21410	0.013	-	-					
11	21411	0.024	-	-					
12	21412	0.011	0.012	-					
13	21413	<0.005	-	-					
14	21414	<0.005	-	-					
15	21415	0.006	-	-					
16	21416	0.010	-	-					
17	21417	0.010	-	-					
18	21418	0.006	-	-					
19	21419	0.046	-	-					
20	21420	0.035	-	-					
21	21421	0.038	-	-					
22	21422	0.017	0.024	-					
23	21423	0.034	-	-					
24	21424	0.013	-	-					
25	21425	0.013	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
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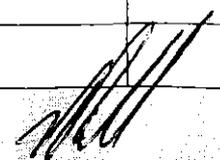
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6 OF 7

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21426	0.291	-	-					
2	21427	0.236	-	-					
3	21428	0.249	-	-					
4	21429	1.410	1.440	-					
5	21430	0.482	-	-					
6	21431	0.241	-	-					
7	21432	0.336	-	-					
8	21433	1.040	1.040	-					
9	21434	0.675	-	-					
10	21435	0.617	-	0.734					
11	21436	0.055	-	-					
12	21437	0.128	0.124	-					
13	21438	0.064	-	-					
14	21439	0.041	-	-					
15	21440	0.277	-	-					
16	21441	0.154	-	-					
17	21442	0.118	-	-					
18	21443	0.095	-	-					
19	21444	0.178	-	-					
20	21445	0.144	-	-					
21	21446	0.044	-	-					
22	21447	0.250	0.247	-					
23	21448	0.104	-	-					
24	21449	0.308	-	-					
25	21450	0.025	-	-					

Results in ppm unless otherwise specified
 T = element present but concentration too low to measure
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 - = element not determined

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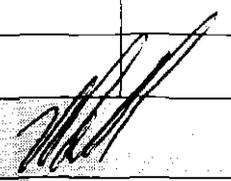
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7 OF 7

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21451	0.050	-	0.057					
2	21452	0.046	-	-					
3	21453	0.025	-	-					
4	21454	0.014	-	-					
5	21455	0.067	-	-					
6	21456	0.059	-	-					
7	21457	0.102	-	-					
8	21458	0.278	-	-					
9	21459	0.375	-	-					
10	21460	0.853	-	-					
11	21461	0.423	-	-					
12	21462	0.401	0.386	-					
13	21463	0.670	-	-					
14	21464	0.461	-	-					
15	21465	2.210	1.660	2.100					
16	21466	8.040	6.590	-					
17	21467	9.380	6.770	-					
18	21468	2.080	1.810	-					
19	21469	3.450	3.620	-					
20	21470	1.310	-	-					
21									
22									
23	DETECTION	0.005	0.005	0.005					
24	UNITS	ppm	ppm	ppm					
25	METHOD	GG313	GG313	GG313					

Results in ppm unless otherwise specified
 T = element present but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

AUTHORISED OFFICER





ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd

024040

LJ30
846

Phone (004) 316837

14 Thirkell St. COOSE TAS 7320

Fax (004) 318990

ANALYTICAL REPORT No. 112960.60.08947

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:
The Shell Company of Australia Ltd
Metals Division
P.O. Box 860
DEVONPORT TAS 7310

ORDER No. 11565 PROJECT LJ30/JPR

DATE RECEIVED 19/08/92 RESULTS REQUIRED ASAP

No. OF PAGES OF RESULTS 16 DATE REPORTED 21/09/92 No. OF COPIES 1

TOTAL No. OF SAMPLES 395

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
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21471/865	PC Prep : 6P006,6P012,6P018	Au,Au(R),Au(S)/66313
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RESULTS TO	REMARKS
Mr J P Randell The Shell Company of Australia Ltd P.O. Box 860 DEVONPORT TAS 7310	

RESULTS TO	
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A.C.N. 004 591 664

024041

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

112960.60.08947

21/09/92

11565

1 OF 16

TUBE No	SAMPLE No	Au	Au(R)	Au(S)					
1	21471	0.043	-	-					
2	21472	0.045	-	-					
3	21473	0.241	-	-					
4	21474	1.140	-	-					
5	21475	0.052	-	-					
6	21476	0.375	-	-					
7	21477	0.027	0.031	-					
8	21478	0.029	-	-					
9	21479	0.014	-	-					
10	21480	0.086	-	-					
11	21481	0.080	-	-					
12	21482	0.167	-	-					
13	21483	0.356	-	-					
14	21484	0.060	-	-					
15	21485	0.016	-	-					
16	21486	0.019	-	-					
17	21487	0.063	-	-					
18	21488	0.152	-	-					
19	21489	0.024	-	-					
20	21490	0.027	-	0.031					
21	21491	0.073	-	-					
22	21492	0.031	0.034	-					
23	21493	0.089	-	-					
24	21494	0.008	-	-					
25	21495	0.010	-	-					

Results in ppm unless otherwise specified
 T = element present; but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

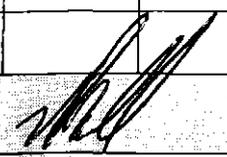
11565

2 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21496	0.046	-	-					
2	21497	0.074	-	-					
3	21498	0.020	0.018	0.018					
4	21499	0.387	-	-					
5	21500	<0.005	<0.005	-					
6	21501	0.073	-	-					
7	21502	0.030	-	-					
8	21503	0.122	0.132	-					
9	21504	0.048	0.050	-					
10	21505	0.489	0.559	-					
11	21506	0.090	0.079	-					
12	21507	0.456	0.506	-					
13	21508	0.460	0.532	-					
14	21509	0.269	0.279	-					
15	21510	0.017	-	-					
16	21511	0.006	-	0.009					
17	21512	0.010	-	-					
18	21513	0.090	-	-					
19	21514	0.119	-	-					
20	21515	0.094	-	-					
21	21516	0.018	-	-					
22	21517	0.011	0.006	-					
23	21518	0.023	-	-					
24	21519	0.018	-	-					
25	21520	0.011	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

112960.60.08947

21/09/92

11565

3 OF 16

TUBE No	SAMPLE No	Au	Au(R)	Au(S)					
1	21521	0.038	-	-					
2	21522	<0.005	-	-					
3	21523	0.142	-	-					
4	21524	0.281	-	-					
5	21525	0.018	-	-					
6	21526	<0.005	-	-					
7	21527	<0.005	<0.005	-					
8	21528	<0.005	<0.005	-					
9	21529	0.011	-	-					
10	21530	0.010	-	-					
11	21531	0.010	-	0.011					
12	21532	0.042	0.040	-					
13	21533	0.005	-	-					
14	21534	0.009	-	-					
15	21535	0.008	-	-					
16	21536	0.008	-	-					
17	21537	0.020	-	-					
18	21538	0.181	-	-					
19	21539	0.077	-	-					
20	21540	0.036	-	-					
21	21541	0.027	-	-					
22	21542	0.014	-	-					
23	21543	0.006	-	-					
24	21544	0.040	-	-					
25	21545	0.010	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
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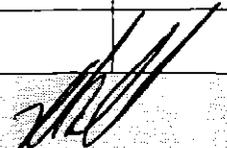
SAMPLE PREFIX REPORT NUMBER REPORT DATE CLIENT ORDER No. PAGE

112960.60.08947 21/09/92 11565 4 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21546	0.022	-	-					
2	21547	0.006	-	-					
3	21548	0.009	-	-					
4	21549	<0.005	<0.005	-					
5	21550	<0.005	-	-					
6	21551	<0.005	-	-					
7	21552	<0.005	-	-					
8	21553	0.028	-	-					
9	21554	0.035	-	-					
10	21555	0.031	-	-					
11	21556	0.025	-	-					
12	21557	0.006	0.008	-					
13	21558	0.041	-	-					
14	21559	0.010	-	-					
15	21560	<0.005	-	-					
	21561	0.011	-	-					
17	21562	<0.005	-	-					
18	21563	<0.005	-	0.005					
19	21564	0.006	-	-					
20	21565	0.550	-	-					
21	21566	0.190	0.206	-					
22	21567	0.112	0.125	-					
23	21568	0.070	-	-					
24	21569	0.191	0.178	-					
25	21570	0.331	-	-					

Results in ppm unless otherwise specified
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SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

112960.60.08947

21/09/92

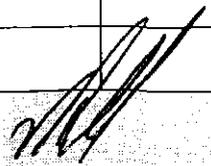
11565

5 OF 16

TUBE No.	SAMPLE No.	Au	Au(R)	Au(S)					
1	21571	0.260	-	-					
2	21572	0.251	-	-					
3	21573	0.012	0.017	-					
4	21574	0.212	-	-					
5	21575	0.271	-	-					
6	21576	0.235	-	0.793					
7	21577	<0.005	-	-					
8	21578	0.006	-	-					
9	21579	0.005	-	-					
10	21580	<0.005	-	-					
11	21581	0.010	-	-					
12	21582	0.009	<0.005	-					
13	21583	0.007	-	-					
14	21584	0.005	-	-					
15	21585	<0.005	-	-					
16	21586	<0.005	-	-					
17	21587	<0.005	-	-					
18	21588	0.012	-	-					
19	21589	<0.005	-	-					
20	21590	<0.005	-	-					
21	21591	<0.005	-	-					
22	21592	<0.005	<0.005	-					
23	21593	SNR	-	-					
24	21594	SNR	-	-					
25	21595	0.006	-	-					

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
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- = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

11565

6 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21596	<0.005	-	-					
2	21597	<0.005	-	-					
3	21598	<0.005	-	-					
4	21599	<0.005	-	-					
5	21600	<0.005	-	-					
6	21601	<0.005	-	-					
7	21602	<0.005	-	-					
8	21603	0.537	-	-					
9	21604	0.182	-	-					
10	21605	1.800	1.930	2.260					
11	21606	1.710	1.610	-					
12	21607	0.026	0.024	-					
13	21608	0.045	-	-					
14	21609	0.005	-	-					
15	21610	0.006	-	-					
16	21611	<0.005	-	-					
17	21612	<0.005	-	-					
18	21613	<0.005	-	-					
19	21614	<0.005	-	-					
20	21615	<0.005	-	-					
21	21616	0.012	-	-					
22	21617	<0.005	-	-					
23	21618	<0.005	-	<0.005					
24	21619	<0.005	-	-					
25	21620	<0.005	-	-					

Results in ppm unless otherwise specified.
 T = element present, but concentration too low to measure
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SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

11565

7 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21621	<0.005	-	-					
2	21622	0.007	-	-					
3	21623	<0.005	-	-					
4	21624	0.010	-	-					
5	21625	0.005	-	-					
6	21626	<0.005	<0.005	-					
7	21627	<0.005	-	-					
8	21628	<0.005	-	-					
9	21629	<0.005	-	-					
10	21630	0.009	-	-					
11	21631	0.033	-	-					
12	21632	0.048	0.044	0.045					
13	21633	0.011	-	-					
14	21634	0.009	0.010	-					
15	21635	0.008	-	-					
16	21636	0.010	-	-					
17	21637	<0.005	-	-					
18	21638	<0.005	<0.005	-					
19	21639	0.009	0.005	-					
20	21640	<0.005	-	-					
21	21641	0.005	-	-					
22	21642	0.028	0.022	-					
23	21643	0.025	-	-					
24	21644	0.021	-	-					
25	21645	0.016	-	-					

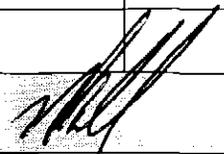
Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

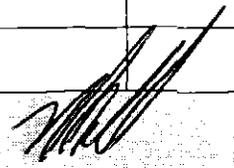
11565

8 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21646	0.005	-	-					
2	21647	0.012	-	-					
3	21648	0.005	-	-					
4	21649	<0.005	-	-					
5	21650	0.173	-	-					
6	21651	0.066	-	-					
7	21652	0.009	-	-					
8	21653	0.030	-	-					
9	21654	0.006	-	-					
10	21655	0.009	-	-					
11	21656	<0.005	-	-					
12	21657	0.013	0.016	-					
13	21658	0.007	-	-					
14	21659	0.015	-	-					
15	21660	<0.005	-	-					
16	21661	0.006	-	-					
17	21662	0.010	-	-					
18	21663	0.009	-	-					
19	21664	0.006	-	-					
20	21665	0.041	-	-					
21	21666	0.023	-	-					
22	21667	0.103	0.112	0.115					
23	21668	0.045	-	-					
24	21669	0.131	-	-					
25	21670	0.166	-	-					

Results in ppm unless otherwise specified
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 -- = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

112960.60.08947

21/09/92

11565

9 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21671	0.191	-	-					
2	21672	0.169	-	-					
3	21673	0.040	-	-					
4	21674	0.026	-	-					
5	21675	0.013	-	-					
6	21676	0.017	-	-					
7	21677	0.840	-	-					
8	21678	0.467	-	-					
9	21679	0.053	-	-					
10	21680	0.071	-	-					
11	21681	0.034	-	-					
12	21682	0.014	0.011	-					
13	21683	0.010	-	-					
14	21684	0.021	-	0.023					
15	21685	0.007	-	-					
16	21686	0.006	-	-					
17	21687	0.007	-	-					
18	21688	0.023	-	-					
19	21689	<0.005	-	-					
20	21690	0.099	-	-					
21	21691	0.009	-	-					
22	21692	<0.005	<0.005	-					
23	21693	0.013	-	-					
24	21694	0.008	-	-					
25	21695	0.019	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
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SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

11565

10 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21696	0.038	-	-					
2	21697	0.010	-	-					
3	21698	<0.005	-	-					
4	21699	0.005	-	-					
5	21700	0.094	-	-					
6	21701	0.007	-	-					
7	21702	0.016	-	0.009					
8	21703	0.010	-	-					
9	21704	0.020	-	-					
10	21705	0.029	-	-					
11	21706	0.165	-	-					
12	21707	0.198	0.228	-					
13	21708	0.016	-	-					
14	21709	0.013	-	-					
15	21710	<0.005	-	-					
	21711	0.010	-	-					
17	21712	0.007	-	-					
18	21713	<0.005	-	-					
19	21714	0.015	-	-					
20	21715	0.011	-	-					
21	21716	<0.005	-	-					
22	21717	0.022	0.008	-					
23	21718	0.017	-	-					
24	21719	0.006	-	-					
25	21720	<0.005	-	-					

Results in ppm unless otherwise specified
 T = element present; but concentration too low to measure
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024051

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ANALYTICAL DATA

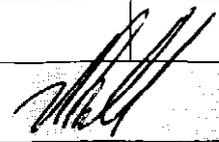
SAMPLE PREFIX REPORT NUMBER REPORT DATE CLIENT ORDER No. PAGE

112960.60.08947 21/09/92 11565 11 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21721	0.053	-	-					
2	21722	0.007	-	-					
3	21723	0.024	-	-					
4	21724	0.022	-	-					
5	21725	0.025	-	-					
6	21726	0.289	-	-					
7	21727	0.050	-	-					
8	21728	0.032	-	-					
9	21729	0.010	-	-					
10	21730	0.009	-	-					
11	21731	0.005	0.006	-					
12	21732	0.088	0.088	-					
13	21733	0.045	-	-					
14	21734	0.010	-	-					
15	21735	0.005	-	-					
	21736	0.011	-	-					
17	21737	0.011	-	-					
18	21738	0.014	-	-					
19	21739	0.009	-	0.010					
20	21740	0.014	-	-					
21	21741	0.130	-	-					
22	21742	0.023	0.019	-					
23	21743	0.023	-	-					
24	21744	0.289	-	-					
25	21745	0.053	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
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SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

11565

12 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21746	0.036	-	-					
2	21747	0.036	-	-					
3	21748	0.048	-	-					
4	21749	0.032	-	-					
5	21750	0.034	-	-					
6	21751	0.012	-	-					
7	21752	0.012	-	-					
8	21753	0.035	-	-					
9	21754	0.063	-	-					
10	21755	0.047	-	-					
11	21756	0.067	-	-					
12	21757	1.200	1.030	-					
13	21758	0.289	0.287	-					
14	21759	2.900	2.660	-					
15	21760	0.473	0.439	-					
	21761	0.175	-	-					
17	21762	0.064	-	0.060					
18	21763	0.070	-	-					
19	21764	0.019	-	-					
20	21765	0.026	-	-					
21	21766	0.092	-	-					
22	21767	0.168	0.172	-					
23	21768	0.786	-	-					
24	21769	0.087	-	-					
25	21770	0.013	-	-					

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
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A.C.N. 004 591 664

024053

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SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

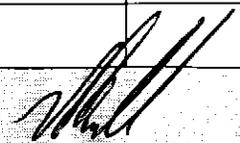
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13 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)						
1	21771	0.015	-	-						
2	21772	0.054	-	-						
3	21773	0.367	-	-						
4	21774	0.245	-	-						
5	21775	0.221	0.206	-						
6	21776	0.131	-	-						
7	21777	0.043	-	-						
8	21778	0.015	-	-						
9	21779	0.011	-	-						
10	21780	0.019	-	-						
11	21781	0.059	-	-						
12	21782	0.010	0.010	-						
13	21783	0.032	-	-						
14	21784	0.026	-	-						
15	21785	0.140	-	-						
16	21786	0.008	-	-						
17	21787	0.006	-	-						
18	21788	0.005	-	-						
19	21789	0.019	-	-						
20	21790	0.019	-	-						
21	21791	0.011	-	-						
22	21792	0.089	-	-						
23	21793	0.011	-	-						
24	21794	0.028	-	-						
25	21795	0.015	-	-						

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

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021054

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

112960.60.08947

21/09/92

11565

14 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21796	0.157	-	-					
2	21797	0.010	-	-					
3	21798	<0.005	-	-					
4	21799	<0.005	-	-					
5	21800	0.008	-	-					
6	21801	0.005	-	-					
7	21802	0.005	-	-					
8	21803	0.007	-	-					
9	21804	0.018	-	-					
10	21805	0.011	-	-					
11	21806	0.009	-	-					
12	21807	0.006	0.007	-					
13	21808	0.011	0.010	0.012					
14	21809	0.009	-	-					
15	21810	0.009	-	-					
16	21811	0.006	-	0.007					
17	21812	0.073	-	-					
18	21813	0.014	-	-					
19	21814	0.005	-	-					
20	21815	<0.005	-	-					
21	21816	0.006	-	-					
22	21817	0.005	0.008	-					
23	21818	0.016	-	-					
24	21819	0.046	-	-					
25	21820	0.008	-	-					

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ANALYTICAL DATA

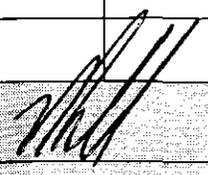
SAMPLE PREFIX REPORT NUMBER REPORT DATE CLIENT ORDER NO PAGE

112960.60.08947 21/09/92 11565 15 OF 16

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)					
1	21821	0.006	-	-					
2	21822	0.134	-	-					
3	21823	0.013	-	-					
4	21824	0.009	-	-					
5	21825	<0.005	-	-					
6	21826	0.005	-	-					
7	21827	0.006	-	-					
8	21828	0.006	-	-					
9	21829	0.017	-	-					
10	21830	0.134	-	-					
11	21831	0.290	-	-					
12	21832	0.076	0.118	-					
13	21833	0.040	-	-					
14	21834	0.022	-	-					
15	21835	0.040	-	-					
16	21836	0.013	-	-					
17	21837	0.006	-	-					
18	21838	0.008	-	-					
19	21839	0.007	-	-					
20	21840	0.010	-	-					
21	21841	0.009	-	-					
22	21842	0.006	0.009	-					
23	21843	0.013	-	-					
24	21844	0.008	-	-					
25	21845	0.075	-	-					

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

112960.60.08947

21/09/92

11565

18

TUBE No.	SAMPLE No.	Au	Au(R)	Au(S)					
1	21846	0.134	-	0.152					
2	21847	0.007	-	-					
3	21848	0.009	-	-					
4	21849	0.019	-	-					
5	21850	0.060	-	-					
6	21851	0.356	-	-					
7	21852	1.610	1.650	-					
8	21853	0.223	-	-					
9	21854	0.200	-	-					
10	21855	0.133	-	-					
11	21856	0.152	-	-					
12	21857	0.097	0.104	-					
13	21858	0.062	-	0.046					
14	21859	0.055	-	-					
15	21860	0.038	-	-					
16	21861	0.030	-	-					
17	21862	0.009	-	-					
18	21863	0.007	-	-					
19	21864	0.013	-	-					
20	21865	SNR	-	-					
21									
22		SNR = SAMPLE NOT RECEIVED							
23	DETECTION	0.005	0.005	0.005					
24	UNITS	ppm	ppm	ppm					
25	METHOD	GG313	GG313	GG313					

Results in ppm unless otherwise specified
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