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THE METALS DIVISION OF
THE SHELL COMPANY OF AUSTRALIA LIMITED

E.L. 90/87 - BACK PEAK

RELINQUISHMENT REPORT

OPEN FILE

Author : J.P. Randell Report No : 08.4178
Date : Oct. 1989 Copy No : 1

INDEXED

- Distribution:
- 1. Dept. of Mines, Hobart
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SUMMARY

Exploration carried out during the initial 12 month tenure of licence 90/87 included regional stream sediment sampling, auger soil sampling, geological mapping and diamond drilling.

Previously defined soil geochemical and EM 37 geophysical anomalies have been re-assessed and conclusions from this work do not favour the potential for significant mineralization. The best coincident response has been diamond drilled but has not intersected economic mineralization.

No further work is recommended on the licence and it should be relinquished immediately.

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1.0 INTRODUCTION

This report details exploration completed and results achieved by Billiton Australia within exploration licence 90/87 during the period ending 31st October 1989. This is the second year of tenure of the licence which was acquired by a successful tender to the Mines Department.

2.0 LOCATION & ACCESS

The licence is situated immediately north of the Cradle Mountain Lake St. Clair National Park, approximately 55 kms south west of Devonport (Fig. 1).

The Cradle Mountain Road passes to the east of the tenement while the new Cradle Link Road transects the extreme northern portion of the tenement. Access to the prospect areas is via a 4WD track from the Cradle Link Road that trends south west along the eastern edge of the tenement to within 2 kms of Back Peak. Several old bombardier tracks still exist but as they traverse open button grass plains, access is difficult except in dry conditions. To the north west of the PreCambrian plateau, topography changes dramatically to steeply incised creeks and valleys with thick rainforest cover. Access by foot along several walking tracks or down creeks is possible although slow.

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4,100,000 E

5400000 N

5390000 N

CRADLE MT. - LAKE ST. CLAIR NATIONAL PARK

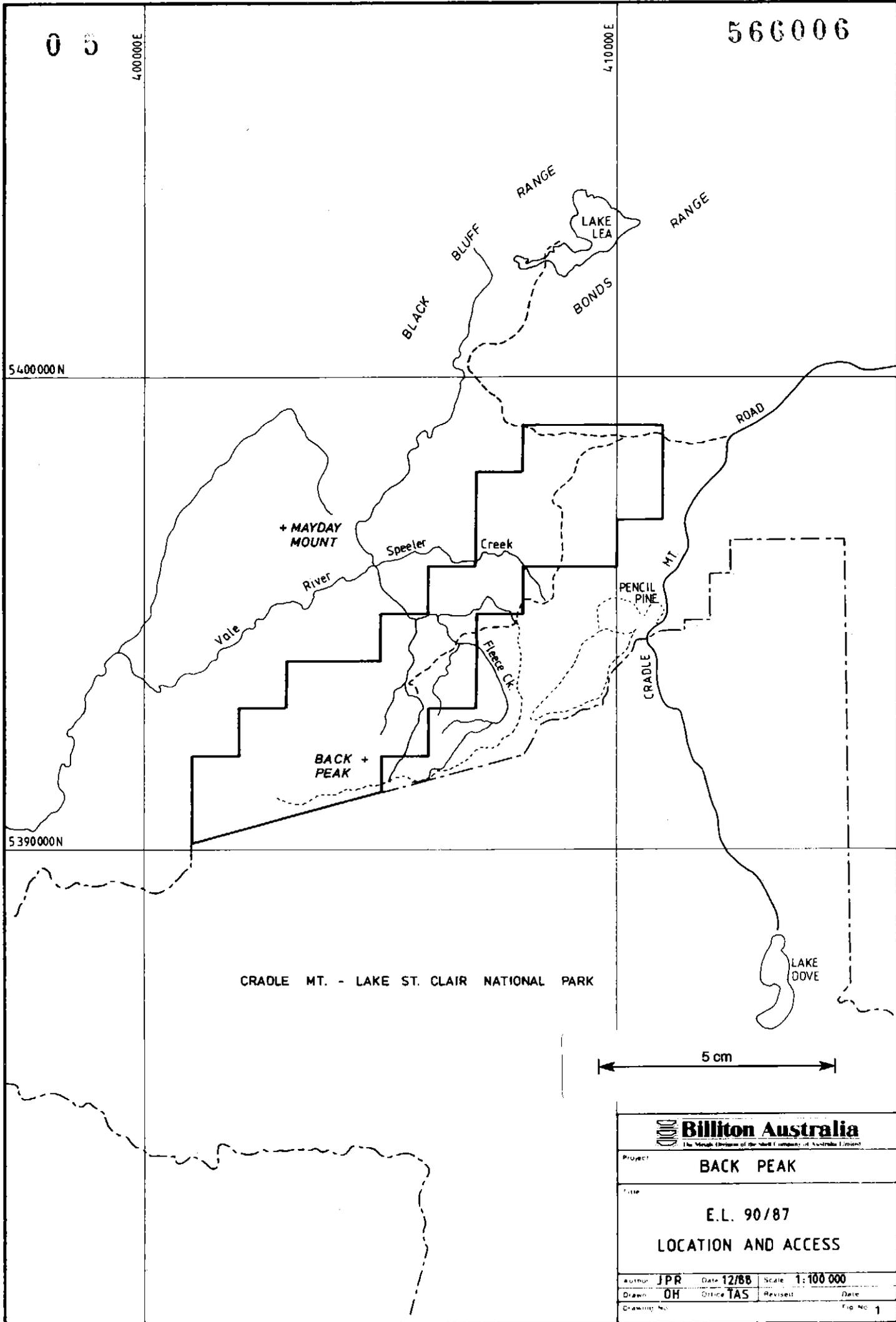
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Billiton Australia
The World Division of the world's largest iron ore company

Project: **BACK PEAK**

Title: **E.L. 90/87
LOCATION AND ACCESS**

Author: JPR	Date: 12/88	Scale: 1:100 000
Drawn: OH	Office: TAS	Revised: _____
Drawing No: _____	Date: _____	Fig. No: 1



3.0 LAND TENURE

Exploration licence 90/87, of 28 km², was granted to The Shell Company of Australia until 29th January 1989. The area consists of 26.8 sq km Crown Land and 0.4 sq km Private Property and a total area of 18.5sq km of the Reynolds Falls Australian Heritage Act Interim Listing falls within the tenement.

4.0 PREVIOUS EXPLORATION

Four generations of explorers have carried out work within the Back Peak licence area since 1969. Exploration has however been sporadic with little to no work between 1976-77 and 1981-83.

Paringa commenced exploration in 1969 on Carter's Prospect, a small Pb-Ag fissure vein working within the PreCambrian quartzites. Grid cutting and subsequent B horizon soil sampling outlined a 5.5km long Pb anomaly; additional stream sediment sampling also supported this anomalism. In 1972, a Dighem survey outlined four surficial responses that were later identified by ground EM and magnetics to be due to ground water in clay zones beneath Tertiary basalt cover.

7 167 INVESTIGATION TILL LATE 70's

A-480

Management of the licence changed hands and in 1975, Cominco conducted four lines of dipole-dipole IP over previously identified Pb geochemical anomalies at Carters. The resultant geophysical anomalies were recommended for drilling but not until 1978 did any further exploration continue. Costeaming of these anomalies indicated that the responses were due to disseminated sulphides.

During 1979, Geopeko entered into a joint venture with Aberfoyle (ex Cominco) and commenced management by carrying out a regional stream sediment sampling programme. Numerous anomalous responses were recorded, the best of which were designated Prover 1, 2 and 3. Grid establishment and subsequent soil sampling defined strongly anomalous geochemistry.

viz Prover 1 (Heap of Rocks) - 900m x 100m anomaly of 500-
2000ppm Pb

Prover 3 (Speeler Creek) - stream sediment peak 2200ppm Pb,
430ppm Zn.

In 1980, a Dighem survey was flown and four weak EM responses were recorded. Follow up Turam EM did little to upgrade the anomalies (Prover 5-8) nor did geochemical sampling.

Exploration subsequent to this survey was limited to one diamond drill hole sited to test the Prover 1 soil geochemical anomaly. Minor disseminated galena, sphalerite was intersected within a cherty lithic crystal tuff and assays peaked at 19m @ 0.17% Pb, 0.17% Zn.

Cyprus Minerals entered into a joint venture with both Geopeko and Aberfoyle in late 1984. Previous grids at Prover 1 (Heap of Rocks), Prover 2 (Carters) and Prover 3 (Speeler Creek) were re-established and/or extended and a ground EM 37 survey conducted over these areas. (Total 7 EM loops). Detailed geochemical sampling and mapping was carried out but failed to confirm the consistency of anomalous base metal values that had been previously identified by Paringa and Geopeko.

The results of the EM 37 did not provide any well defined bedrock conductors but four weak responses were identified (two at Speeler Creek; one at Carters; one at Heap of Rocks). One drill hole in 1986 tested an EM anomaly at Speeler Creek where Tertiary basalt covered the up dip source projection. Weak disseminated Pb Zn mineralization was intersected in altered pyroclastics with a best intersection of 0.6m @ 0.26% Pb, 2.5 g/t Ag (3m fillet assay). Gold values peaked at 0.11ppm.

Exploration by Billiton during the initial term focused on assessing previous work and verifying interpreted geochemical -geophysical anomalies. A topographic base plan was prepared onto which results of a stream sediment survey (40 bulk cyanide leach and -80# samples) were compiled. Mapping of the Carters, Heap of Rocks and Speeler Creek prospects was carried out and repeat auger sampling (30 samples) completed on previously identified soil anomalies at Carters and Heap of Rocks. A brief

geophysical interpretation of previous EM 37 results has also been completed.

One diamond drill hole (166m) tested a combined EM 37/ soil geochemical anomaly at Speeler Creek prospect.

5.0 GEOLOGICAL SETTING

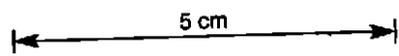
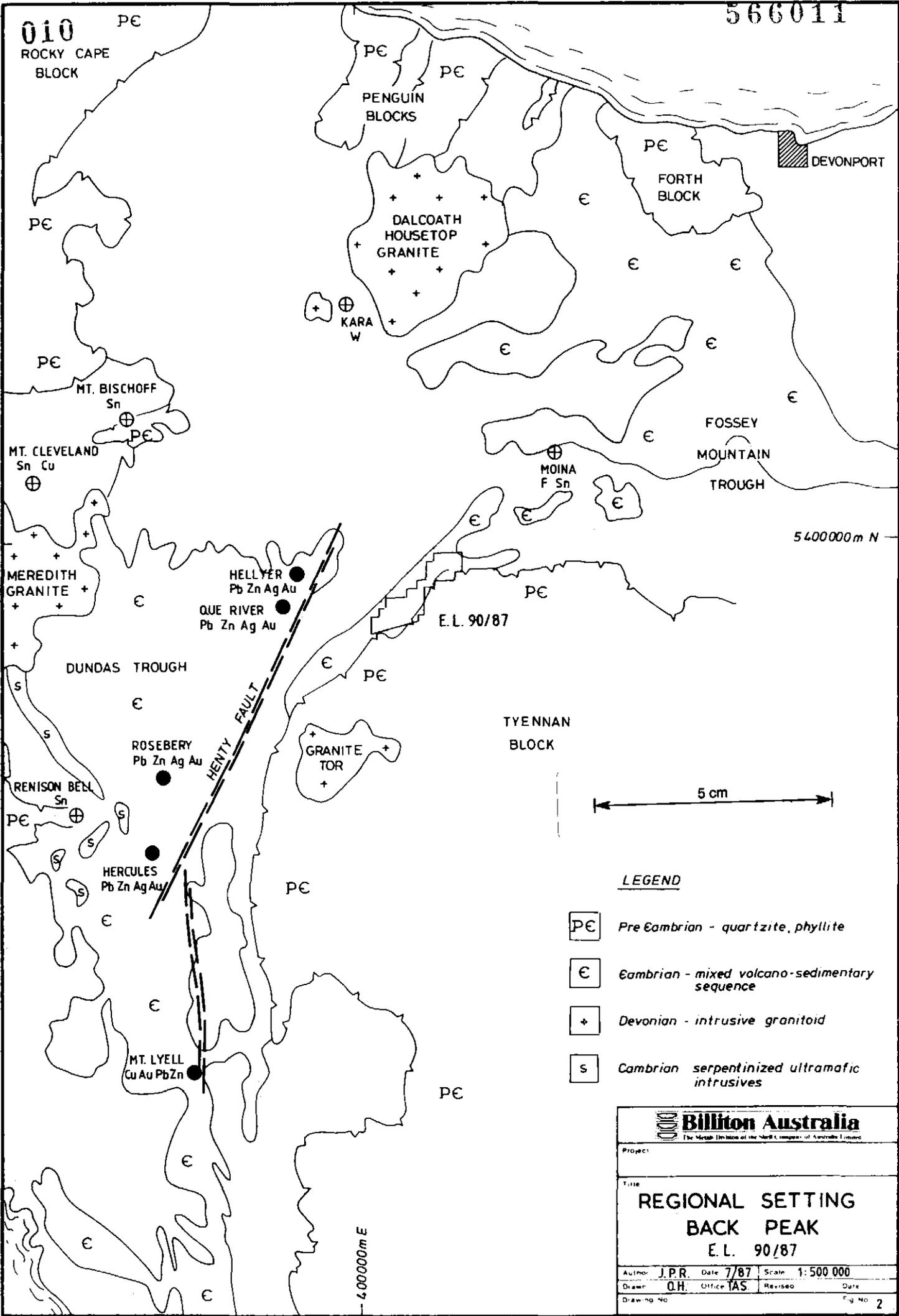
The licence area covers the irregularly faulted contact of PreCambrian quartzites and pelitic schists with Mid Cambrian acid volcanoclastics and Late Cambrian rhyodacitic intrusives. The Que-Hellyer Volcanic Complex is situated 14 kms to the west and the sequence east of this volcanic centre is termed part of the Tyndall Group (Fig. 2).

There is an arbitrary transition between the named Dundas Trough and Fossey Mountain Trough but in essence this transition reflects a change in volcanic development from a predominant lava/epiclastic province to a more distal epiclastic /sediment province with minor lava development.

The application area covers approximately 15% Pre Cambrian basement, 5% Ordovician cover, 5% Tertiary basalt cover and 75% Cambrian volcanoclastics and intrusives.

010

ROCKY CAPE BLOCK



LEGEND

- PE Pre Cambrian - quartzite, phyllite
- E Cambrian - mixed volcano-sedimentary sequence
- + Devonian - intrusive granitoid
- S Cambrian serpentized ultramafic intrusives

Billiton Australia <small>The Mineral Division of the Shell Companies of Australia Limited</small>			
Project			
Title			
REGIONAL SETTING BACK PEAK E.L. 90/87			
Author	J.P.R.	Date	7/87
Scale	1:500 000		
Drawn	O.H.	Office	TAS
Revised		Date	
Draw No		Fig No	2

PreCambrian basement consists of laminated quartzites, silty to sandy sediments and carbonaceous schists. These dip steeply west and strikes vary from 025° Mag in the central east portion of the area to 078° Mag in the north east portion. Strong deformation textures have been imposed on these meta-sediments and greenschist facies metamorphic assemblages are evident. Numerous NNW trending faults have transected the Pre Cambrian-Cambrian boundary giving rise to EBN displacements of the PreCambrian.

To the west, Cambrian volcanoclastics, and intrusives unconformably overlie the PreCambrian basement. In detail this sequence (150-1500m wide) consists of acid quartz crystal tuff, cherty siltstones and siliceous vitric ash deposits. Limited textural evidence suggests that most of the sequence is subaqueous. Dips vary but are generally steep to the north west while strikes mimic the PreCambrian basement rocks.

Overlying these volcanoclastics is a texturally uniform massive quartz-feldspar-biotite porphyry that is at least 2 kms wide and extends the length of the property. This unit is most probably a Cambrian syn volcanic granitic intrusive and regionally can be traced from east of Rosebery to south east of Moina, a distance of 60 kms.

Ordovician conglomeratic sands unconformably overlie the Cambrian succession and crop out as erosion resistant ridges and hills. Tertiary flood basalts cover the most north-easterly portion of the licence although outcrop is often subdued.

6.0 EXPLORATION COMPLETED

No field work was carried out during the second term of the licence due to a combination of factors.

Firstly, the results of the diamond drilling verified the conclusions drawn by previous workers i.e. the enhanced base metal values observed at surface were due to both a high background of base metals and to the effect of hydromorphic dispersion within the peaty soils. Many of the fine ashy volcaniclastic beds contain weak but pervasive pyritic disseminations (1-2%) and rare to trace sphalerite-galena. The mineralization is probably introduced or at least remobilized during the intrusion of the Late Cambrian porphyritic granite and has preferentially been re-deposited in brittle silicified units of the Back Peak Beds.

Secondly, a lava package was not observed nor was a significant quiescent period in the volcanic history. This may have been a function of outcrop but nevertheless there is little evidence to suggest a major compositional or paleo-environmental break.

Thirdly, exploration along the Ordovician contact was recommended in the last annual report. Field work was considered but the difficult access, perceived target character and knowledge of competitor activity on the adjacent tenement weighed against a decision to explore in this area.

7.0 CONCLUSIONS & RECOMMENDATIONS

The regional stream sediment survey highlighted prospects already known at Carters, Heap of Rocks and Speeler Creek but no new targets were generated.

At these three prospects weak surficial EM responses are present but diamond drilling of the best of these, did not enhance the economic potential of the area. Weak surface geochemical anomalism corresponds to low levels (1000's ppm Pb Zn) of base metals in weakly pyritic vitric ash beds.

It is considered that the environment is not conducive to the development of significant VMS style base metal mineralization by virtue of the lack of geophysical encouragement, absence of lavas or apparent volcanic time break and only weak geochemical anomalism.

It is therefore recommended that the licence be relinquished.

18/10/89

EXPLORATION PROJECT EXPENDITURE REPORT
 BACK PEAK : LD55 IN TAS
 EXPENDITURE FOR : JAN/SEP 1989

CURRENT MONTH	CURRENT QUARTER		CURRENT HALF YEAR	CURRENT YEAR	PROJECT TO-DATE
0	0	STAFFING COSTS - LABOUR	0	118	12,074
0	0	- TRAVEL	0	0	106
0	0	- OTHER	0	74	3,108
0	0	VEHICLE/EQUIPMENT COSTS	0	704	6,800
0	0	FIELD AND OFFICE OPERATING COSTS	0	895	22,090
0	0	** SUB-TOTAL ESTABLISHMENT COSTS	0	0	980
0	0	TENEMENT COSTS	0	0	2,667
0	0	GEOCHEMICAL SURVEYS	0	2,667	2,667
0	0	GEOPHYSICAL SURVEYS	0	-312	989
0	0	ANALYSIS - DRILLING SAMPLES	0	0	2,766
0	0	- OTHER SAMPLES	0	-0	11,053
0	0	DRILLING - DIAMOND	0	0	0
0	0	- OTHER	0	0	0
0	0	AERIAL SURV/PHOTOGRAMMETRY	0	1,525	2,546
0	0	GRIDDING/SURVEY/ACCESS	0	0	0
0	0	GEOLOGICAL STUDIES	0	0	0
0	0	ENVIRONMENTAL/OTHER	0	0	0
0	0	CHARGES EX JV PARTNERS	0	0	0
0	0	** SUB-TOTAL OPERATING COSTS	0	3,880	20,999
0	0	TOTAL FIELD EXPENDITURE	0	4,775	43,089
0	0	GEOLOGY MGT - ADMIN (80,81XX)	0	0	0
0	0	GEOLOGY RESEARCH (86XX)	0	0	0
0	0	GEOTECHNICAL SERVICES (85XX)	0	0	0
0	0	ENGINEERING/COMPUTING (83XX)	0	0	0
0	0	AHO DIRECT PROJECT EXPENDITURE	0	0	0
0	0	AHO MAN., ADMIN AND SERVICES (MS00/2)	0	480	4,268
0	0	TOTAL EXP. BEFORE RECOVERIES	0	5,255	47,357
0	0	RECOVERIES EX JV PARTNERS	0	0	0
0	0	TOTAL PROJECT EXPENDITURE	0	5,255	47,357

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APPENDIX ONE

DRILL LOG BPD 88-1

SHEMET SYSTEM
METRIC
DECIMAL POINTS AS REQUIRED

The BHP Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

READING SHEET

COLLAR INFORMATION	DATA TYPE	COLLAR CO-ORDINATES			COLLAR SURVEY		HOLE NAME	TOTAL DEPTH	HOLE TYPE	DESC CODE	REMARKS
		EASTING	NORTHING	ELEVATION	AZIMUTH	DIP					
		10800	9875		132	50	BPD 88-1	166			

SURVEY INFORMATION	DISTANCE FROM COLLAR		AZIMUTH	DIP	REMARKS
	TO TOP	TO BOTTOM			
					Hole not surveyed

PLOTTING KEY					
SYMBOL	INTERVAL		SYMBOL	INTERVAL	
	MS COM	G/LOG		MS COM	G/LOG
	FROM	TO		FROM	TO

PROJECT	BACK PEAK	HOLE NAME	BPD 88-1
LOGGED BY	J. RANDELL	TOTAL DEPTH	166m
CONTRACTOR	F.L. ORTNER	RIG	LY38
CREW		DATE STARTED	3/7/88
		FINISHED	3/12/88
CORE STORAGE		SAMPLE STORAGE	
NO OF TRAYS	28	LOCATION	DIPORT
MAP LAB		ASSAY LAB	COMLABS
DESC.	SIZE	FROM	TO
NON CORE			
CORE	NO	0	2.5
	NO	2.5	166
	NO		163.5
CASING			
CASING LEFT	PVC	0	166
			166
			(S) STEEL (P) PLASTIC

SURVEY INFORMATION	DISTANCE FROM COLLAR		AZIMUTH	DIP	REMARKS	SAMPLE NO	CORE ANGLE	ROCK TYPE	DIAM	DESC CODE	GRAPHIC LOG	DESCRIPTIVE LOG
	TO TOP	TO BOTTOM										
CH	0	2				17823						0-71.2 // FELDSPAR & QUARTZ PHYRIC SERICITIC RHYODACITIC VOLCANICLASTIC.
	2	4				24						
	4	6				25						
	6	8				26						
	8	10				27						Fract medium to coarse grained, vaguely layered, 55° LCA, chloritic permineral clasts, subangular, moderately sericitic. Trace to 1% disseminated pyrite.
	10	12				28						
	12	14				29						
	14	16				30						
	16	18				31						
	18	20				32						
	20	22				33						Weak wiggly quartz veining 3.5-6.6m dbw 25-26m. Co to mid-thick angle to LCA.
	22	24				34						Fine quartz phenocrysts, variably silicified.
	24	26				35						
	26	28				36						
CH	28	30				37						31-32m. Res clasts massive porphy up to 3cm long. Other clasts vitric ash + pyritic siliceous rhyodacitic clasts.
SP	30	31				38						
SP	31	32				39						
CH	32	34				40						37-39.3 Medium to coarse spilitic, subrounded to subangular clasts of vitric ash, chloritized permineral.
	34	36				41						
	36	38				42						PET
	38	40				43						44.8m 39.5-40.8. Moderately broken core, of vein at 40.7m. Trace pyrite.
	40	42				44						
	42	44				45						42.5-45.0. Res cm. size vitric ash clasts
	44	46				46						46.0-47.8. Moderately bleached and weathered.
CH	46	48				17827						51.9-63.0. Coarser grained, red in feldspar crystals.

SP = SPLIT CH = CHIP

DRILLING OBJECTIVES / SUMMARY Spaulter Creek Prospect: Coincident EM37 anomaly (target 50-100m vertical depth beneath 9770N) and soil geochemical anomaly (max 2250ppm Pb, 0.25ppm Au). Drill hole intersected acid disseminated pyrite down dip from surface geochemical anomaly and a fault zone at ~75m vertical depth. EM source presumed to be fault zone. Down hole logging will confirm.

REPORT REFERENCE:

566017

015

SILMET SYSTEM
METRIC
DECIMAL POINTS AS REQUIRED

The Shell Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

CONTINUATION SHEET

PROJECT **BACK PEAK** HOLE NAME **BPO 88-1**
LOGGED BY **J. RANDELL** TOTAL DEPTH **166m**

L	I	DISTANCE FROM COLLAR		M	SAMPLE NO	CORE ANGLE	ROCK TYPE	DIA	DESC CODE	GRAPHIC LOG	DESCRIPTIVE LOG
		TO TOP	TO BOTTOM								
CH		48	50		17848						585-610. <i>Widely chloritic pumiceous clasts.</i>
		50	52		49						617-647. <i>Widely quartz veined + R stained.</i>
		52	54		50						650-712. <i>Fine grained silicified massive vitric ash bearing coarse grained.</i>
		54	56		51						
		56	58		52						
		58	60		53						712-90.0 // <i>CARRISLY PORPHYRITIC (QUARTZ + FELDSPAR) SILICIFIED CHLORITIC RHYODACITIC EPICLASTIC.</i>
		60	62		54						
		62	64		55						
		64	66		56						
		66	68		57						
CH		68	70		17858						PET <i>gradational contact. Ran pyrite dusts.</i> 75.1m <i>Widely quartz clasts up to 3cm long, irregular often surrounding vitric ash clasts.</i>
											788-813. <i>Very large clasts sub rounded very fine grained silicified ash.</i>
											<i>gradational lower contact.</i>
											90.1-100.0 // <i>FINE SILICIFIED AND SERICITIC VITRIC ASH.</i>
											<i>Broken core at top to 97m. Some bands of medium grained crystal rich clastics.</i>
											93.5-95.4. <i>Medium grained, crystal rich + massive filopathic volcanoclastic.</i>
											100.0-107.0 // <i>CARRISLY PORPHYRITIC SILICIFIED CHLORITIC EPICLASTIC</i>
											100-101.5. <i>Very coarse clasts rounded and flattened up to 15cm long. Fine grained vitric perlitic ash.</i> <i>Ran to base determined pyrite.</i>
											107.0-113.5 // <i>SILICIFIED COARSE EPICLASTIC BRECCIA.</i>
											<i>Coarse epiclastic with rounded clasts of filopathic crystal rich volcanoclastic, or partly epiclastic clasts.</i>
											<i>At 107.8m, zone dipping 65° LPA.</i> <i>Fine vitric ash beds with ambiguous being on basis of graded beds.</i>
											<i>Some fine grained quartz phenocrysts.</i>

ASBEST INFORMATION

SHEET 2 of 4

016
566018

SHLWET SYSTEM
METRIC
DECIMAL POINTS AS REQUIRED

The Shell Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

PROJECT	BACK PEAK	HOLE NAME	BPD 88-1
LOGGED BY	J. RANDELL	TOTAL DEPTH	166m

DISTANCE FROM COLLAR		CORRECTION	SAMPLE NO	CORE ANGLE	ROCK TYPE	DIAM	DESC CODE	GRAPHIC LOG	DESCRIPTIVE LOG
TO TOP	TO BOTTOM								
130	132		17859						114.3 - 115.8 Strong quartz carbonate fault breccia.
132	134		60						
134	136		61						
136	138		62						115.5 - 130.0 // FELDSPAR CRYSTAL VOLCANIC CLASTIC
138	140		63						
140	141		17864						Fine to medium grained, vague layering 65° LCA becoming more wavy and permeable down hole.
155.1	156.5		17855						130.0 - 141.0 // FAULT ZONE.
156.5	157.7		66						
157.7	159.0		67						Intensely broken core, feldspar crystal half than numerous quartz carbonate veinlets.
159.0	160.8		68						
160.8	162.0		69						
162.0	163.5		70						
163.5	164.9		71						141.0 - 155.1 // MASSIVE FELDSPAR CRYSTAL VOLCANIC CLASTIC
164.9	166.0		17872						Fine to medium grained. 141-142.5 Coarse bands quartz 75° LCA. 150.6 m. minor fine ash beds, graded beds indicate up hole facies.
									155.1 - 157.7 // POORLY LAMINATED BLACK SILTSTONE.
									Upper contact: quartz vein 10cm thick
									Lower contact: sharp 45° LCA.
									Rare pyrite + ? sphalerite laminae and fine blbs, irregular.
									157.7 - 160.8 // LAMINATED CHERTY SILTSTONE AND VITRIC ASH.
									Lower contact: sharp 50° LCA.
									Well laminated (45-50° LCA) alternating siltstone, chert and ash laminae.
									Graded beds and scale markings all indicate an up hole facies.
									Rare blbs pyrite.
									160.8 - 164.9 // PUMICEOUS CRYSTAL VOLCANIC CLASTIC
									Poorly layered coarse irregular pumice and feldspar crystals.

ABBAY INFORMATION

BHMET SYSTEM
METRIC
DECIMAL POINTS AS REQUIRED

The Shell Company of Australia Limited
METALS DIVISION
DRILL LOG SHEET

PROJECT **BACK PEAK** HOLE NAME **BPD 88-1**
LOGGED BY **J. RANDELL** TOTAL DEPTH **166m**

RECOVERY CALCULATION

DISTANCE FROM COLLAR	DISTANCE FROM COLLAR		INTERVAL	CORR RECD'D	% RECOVERY	SAMPLE NO	CORE ANGLE	ROCK TYPE	FRAM	DESC CODE	GRAPHIC LOG	DESCRIPTIVE LOG
	TO TOP	TO BOTTOM										
	0.0	1.5	1.5	1.5	100							
	1.5	4.0	2.5	2.5	100							
	4.0	7.0	3.0	3.0	100							
	7.0	10.0	3.0	3.0	100							
	10.0	13.0	3.0	3.0	100							
	13.0	16.0	3.0	3.0	100							
	16.0	18.6	2.6	2.6	100							
	18.6	21.7	3.1	3.1	100							
	21.7	24.8	3.1	3.1	100							
	24.8	27.9	3.1	3.1	100							
	27.9	31.0	3.1	3.1	100							
	31.0	34.0	3.0	3.0	100							
	34.0	37.0	3.0	3.0	100							
	37.0	39.7	2.7	2.7	100							
	39.7	42.8	3.1	3.1	100							
	42.8	45.8	3.0	3.0	100							
	45.8	48.8	3.0	3.0	100							
	48.8	51.8	3.0	3.0	100							
	51.8	54.8	3.0	3.0	100							
	54.8	57.8	3.0	3.0	100							
	57.8	60.8	3.0	3.0	100							
	60.8	63.8	3.0	3.0	100							
	63.8	66.8	3.0	3.0	100							
	66.8	69.8	3.0	3.0	100							
	69.8	72.8	3.0	3.0	100							
	72.8	75.8	3.0	3.0	100							
	75.8	78.8	3.0	3.0	100							
	78.8	81.8	3.0	3.0	100							
	81.8	84.8	3.0	3.0	100							
	84.8	87.8	3.0	3.0	100							
	87.8	90.8	3.0	3.0	100							
	90.8	93.8	3.0	3.0	100							
	93.8	96.8	3.0	3.0	100							
	96.8	99.8	3.0	3.0	100							
	99.8	102.8	3.0	3.0	100							
	102.8	105.8	3.0	3.0	100							
	105.8	108.8	3.0	3.0	100							
	108.8	111.8	3.0	3.0	100							
	111.8	114.8	3.0	3.0	100							
	114.8	117.8	3.0	3.0	100							
	117.8	120.8	3.0	3.0	100							
	120.8	123.8	3.0	3.0	100							
	123.8	126.8	3.0	3.0	100							
	126.8	129.8	3.0	3.0	100							
	129.8	132.8	3.0	3.0	100							
	132.8	135.8	3.0	3.0	100							
	135.8	138.8	3.0	3.0	100							
	138.8	141.8	3.0	3.0	100							
	141.8	144.8	3.0	3.0	100							
	144.8	147.8	3.0	3.0	100							
	147.8	150.8	3.0	3.0	100							
	150.8	153.8	3.0	3.0	100							
	153.8	156.8	3.0	3.0	100							
	156.8	159.8	3.0	3.0	100							
	159.8	162.8	3.0	3.0	100							
	162.8	165.8	3.0	3.0	100							
	165.8	168.8	3.0	3.0	100							
	168.8	171.8	3.0	3.0	100							
	171.8	174.8	3.0	3.0	100							
	174.8	177.8	3.0	3.0	100							
	177.8	180.8	3.0	3.0	100							
	180.8	183.8	3.0	3.0	100							
	183.8	186.8	3.0	3.0	100							
	186.8	189.8	3.0	3.0	100							
	189.8	192.8	3.0	3.0	100							
	192.8	195.8	3.0	3.0	100							
	195.8	198.8	3.0	3.0	100							
	198.8	201.8	3.0	3.0	100							
	201.8	204.8	3.0	3.0	100							
	204.8	207.8	3.0	3.0	100							
	207.8	210.8	3.0	3.0	100							
	210.8	213.8	3.0	3.0	100							
	213.8	216.8	3.0	3.0	100							
	216.8	219.8	3.0	3.0	100							
	219.8	222.8	3.0	3.0	100							
	222.8	225.8	3.0	3.0	100							
	225.8	228.8	3.0	3.0	100							
	228.8	231.8	3.0	3.0	100							
	231.8	234.8	3.0	3.0	100							
	234.8	237.8	3.0	3.0	100							
	237.8	240.8	3.0	3.0	100							
	240.8	243.8	3.0	3.0	100							
	243.8	246.8	3.0	3.0	100							
	246.8	249.8	3.0	3.0	100							
	249.8	252.8	3.0	3.0	100							
	252.8	255.8	3.0	3.0	100							
	255.8	258.8	3.0	3.0	100							
	258.8	261.8	3.0	3.0	100							
	261.8	264.8	3.0	3.0	100							
	264.8	267.8	3.0	3.0	100							
	267.8	270.8	3.0	3.0	100							
	270.8	273.8	3.0	3.0	100							
	273.8	276.8	3.0	3.0	100							
	276.8	279.8	3.0	3.0	100							
	279.8	282.8	3.0	3.0	100							
	282.8	285.8	3.0	3.0	100							
	285.8	288.8	3.0	3.0	100							
	288.8	291.8	3.0	3.0	100							
	291.8	294.8	3.0	3.0	100							
	294.8	297.8	3.0	3.0	100							
	297.8	300.8	3.0	3.0	100							
	300.8	303.8	3.0	3.0	100							
	303.8	306.8	3.0	3.0	100							
	306.8	309.8	3.0	3.0	100							
	309.8	312.8	3.0	3.0	100							
	312.8	315.8	3.0	3.0	100							
	315.8	318.8	3.0	3.0	100							
	318.8	321.8	3.0	3.0	100							
	321.8	324.8	3.0	3.0	100							
	324.8	327.8	3.0	3.0	100							
	327.8	330.8	3.0	3.0	100							
	330.8	333.8	3.0	3.0	100							
	333.8	336.8	3.0	3.0	100							
	336.8	339.8	3.0	3.0	100							
	339.8	342.8	3.0	3.0	100							
	342.8	345.8	3.0	3.0	100							
	345.8	348.8	3.0	3.0	100							
	348.8	351.8	3.0	3.0	100							
	351.8	354.8	3.0	3.0	100							
	354.8	357.8	3.0	3.0	100							
	357.8	360.8	3.0	3.0	100							
	360.8	363.8	3.0	3.0	100							
	363.8	366.8	3.0	3.0	100							
	366.8	369.8	3.0	3.0	100							
	369.8	372.8	3.0	3.0	100							
	372.8	375.8	3.0	3.0	100							
	375.8	378.8	3.0	3.0	100							
	378.8	381.8	3.0	3.0	100							
	381.8	384.8	3.0	3.0	100							
	384.8	387.8	3.0	3.0	100							
	387.8	390.8	3.0	3.0	100							
	390.8	393.8	3.0	3.0	100							
	393.8	396.8	3.0	3.0	100							
	396.8	399.8	3.0	3.0	100							
	399.8	402.8	3.0	3.0	100							
	402.8	405.8	3.0	3.0	100							
	405.8	408.8	3.0	3.0	100							
	408.8	411.8	3.0	3.0	100							
	411.8	414.8	3.0	3.0	100							
	414.8	417.8	3.0	3.0	100							
	417.8	420.8	3.0	3.0	100							
	420.8	423.8	3.0	3.0	100							
	423.8	426.8	3.0	3.0	100							
	426.8	429.8	3.0	3.0	100							
	429.8	432.8	3.0	3.0	100							
	432.8	435.8	3.0	3.0	100							
	435.8	438.8	3.0	3.0	100							
	438.8	441.8	3.0	3.0	100							
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566021

Mr. Jeff Randell
Billiton Australia Ltd
30 Mersey Main Road
Spreyton
Devonport
TAS 7310 Australia

*Bad Peak
BPD 88-1.*

JOB NUMBER: 8AD4002
Your Reference: 08464/L055/JPR
Date Received: 23-DEC-1988
Date Relayed: 3-JAN-1989
Date Reported: 3-JAN-1989

Turnaround 11 days

Number of Samples: 50

Report Analyte Codes
N.A. - Not Analysed.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample for Analysis.

Report Comprising: Cover Sheet
Pages 1 to 4

Comments:

Report Type	Dist'n	Recipient	Location	Date	Copies
MM	Carbon Copies(CC), Electronic Media(EM), Magnetic Media(MM)	Mr. Jeff Randell	Devonport	3-JAN-89	1

Approved Signature:

for *Harry Fishman*

Harry Fishman
Managing Director.
CLASSIC COMLABS LTD
(Please address any enquiries to Mr. Trevor Francis)

This report relates specifically to the sample(s) tested in so far as that the sample(s) is truly representative of the sample source as supplied.

Job: 8AD4002
O/N: 08464/LO55/JPR

566022

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Zn	Ag
17823	<0.01	<0.01	<0.01	--	10	80	<1
17824	<0.01	--	--	--	9	72	<1
17825	<0.01	--	--	--	5	110	<1
17826	<0.01	--	--	--	7	86	<1
17827	0.01	0.02	<0.01	--	3	52	<1
17828	0.01	--	--	--	3	30	<1
17829	<0.01	--	--	--	3	40	<1
17830	<0.01	--	--	--	4	46	<1
17831	<0.01	--	--	--	3	48	<1
17832	<0.01	--	--	--	3	40	<1
17833	<0.01	--	--	--	2	68	<1
17834	0.02	0.02	0.02	--	3	220	<1
17835	<0.01	0.01	<0.01	--	4	135	<1
17836	<0.01	--	--	--	3	88	<1
17837	<0.01	--	--	--	6	380	<1
17838	<0.01	--	--	--	4	56	<1
17839	<0.01	--	--	--	26	80	<1
17840	<0.01	--	--	--	4	110	<1
17841	<0.01	--	--	--	4	240	<1
17842	0.01	<0.01	0.02	--	13	230	<1
17843	<0.01	<0.01	<0.01	--	5	155	<1
17844	<0.01	--	--	--	5	260	<1
17845	<0.01	--	--	--	8	560	<1
17846	<0.01	--	--	--	4	280	<1
17847	<0.01	--	--	--	3	155	<1
UNITS SCHEME	ppm FA1	ppm FA1	ppm FA1	ppm FA1	ppm AAS1	ppm AAS1	ppm AAS2



Job: 8AD4002
O/N: 08464/LO55/JPR **566023**

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Zn	Ag
17848	<0.01	--	--	--	5	155	<1
17849	<0.01	--	--	--	4	280	<1
17850	<0.01	--	--	--	3	220	<1
17851	<0.01	--	--	--	3	140	<1
17852	<0.01	--	--	--	4	650	<1
17853	<0.01	--	--	--	4	60	<1
17854	<0.01	--	--	--	4	145	<1
17855	<0.01	--	--	--	6	340	<1
17856	0.01	--	--	--	46	165	1
17857	<0.01	--	--	--	9	90	<1
17858	<0.01	--	--	--	5	190	<1
17859	<0.01	--	--	--	5	84	<1
17860	<0.01	--	--	--	13	220	<1
17861	0.01	--	--	--	7	210	<1
17862	0.01	0.01	0.01	--	6	230	<1
17863	<0.01	--	--	--	19	770	<1
17864	<0.01	--	--	--	7	145	<1
17865	<0.01	--	--	--	19	990	1
17866	<0.01	--	--	--	11	2100	1
17867	<0.01	0.01	<0.01	--	4	110	<1
17868	<0.01	--	--	--	2	80	<1
17869	<0.01	--	--	--	6	185	<1
17870	<0.01	--	--	--	5	92	<1
17871	<0.01	<0.01	<0.01	--	9	78	<1
17872	<0.01	--	--	--	11	56	<1
UNITS SCHEME	ppm FA1	ppm FA1	ppm FA1	ppm FA1	ppm AAS1	ppm AAS1	ppm AAS2

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Job: 8AD4002
O/N: 08464/LO55/JPR 566024

ANALYTICAL REPORT

SAMPLE	Ba	Pb	As
17823	750	74	7
17824	850	74	2
17825	760	64	7
17826	1100	64	5
17827	1080	32	2
17828	1000	14	2
17829	1160	22	6
17830	840	19	5
17831	920	24	2
17832	1060	28	3
17833	1100	32	<2
17834	880	70	6
17835	1080	50	5
17836	730	26	6
17837	890	94	6
17838	840	22	<2
17839	790	32	12
17840	1040	54	4
17841	1120	150	4
17842	760	320	7
17843	1140	135	<2
17844	1120	135	3
17845	1000	250	7
17846	1020	92	7
17847	750	26	6
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1

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Job: 8AD4002
O/N: 08464/L055/JPR

566025

ANALYTICAL REPORT

SAMPLE	Ba	Pb	As
17848	650	48	6
17849	1080	130	5
17850	940	96	10
17851	730	52	2
17852	1060	110	3
17853	650	26	5
17854	470	50	3
17855	1040	220	4
17856	1200	940	<2
17857	1080	56	12
17858	1060	74	10
17859	1460	62	8
17860	860	250	5
17861	1540	310	11
17862	1700	450	12
17863	1420	1020	6
17864	1480	180	<2
17865	660	1220	6
17866	850	2300	<2
17867	730	110	<2
17868	1360	100	6
17869	970	300	3
17870	1020	270	3
17871	920	125	<2
17872	1080	76	20
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1