

Drill Hole Record



Property Mackintosh EL 2/70 District Tasmania, Australia Hole No. QR3
 Commenced 27/5/74 Location Que River area Tests with Eastman single^{shot} Hor. Comp.
 Completed 3/6/74 Core Size NQ to 30.50, BQ to completion Corr. Dip Vert. Comp.
 Co-ordinates 5200E 7500N completion True Brg. Logged by E.H.Skey
 Objective To test the northern limit of the ground EM anomaly % Recov. 100% except as speci-Date 6/6/74
 and anomalous base metal values in soils fied

Claim
 T. Brg.
 Collar Dip
 Elev.
 Length
 Hole No.
 Sheet

Footage Metres		Description	Metres		Mineralisation	Sample No.	Length	Analysis							
From	To		To	From											
		SURVEYS - Surface minus 50° 100° magnetic													
		50m " 45° 106° "													
		116.50m " 40° 106° "													
		159.80m " 36° 106° "													
		Similar rock types and identified by T1, T2, etc. Major lithological changes are indicated by an asterisk.													
0 - 1.90		No core; humus, clay and weathered bedrock.													
1.90 - 12.90		Fawn to grey lithic tuff (fine grained)													
	T4														
12.90 - 14.85		Dark grey sericitic lithic tuff. Random buff sericitic fragments appear as though plastic when extruded. Shearing is erratic around 55° to core axis. Minor quartz and carbonate veining.	12.90 - 14.85		Pyrite 2-10% disseminated grains, veinlets, stringers.										
12.90 to 14.40 (1.95)															
Rec. 0.45															
14.85 - 18.33		Rhyolite(?) flow agglomerate. Unit is variously composed of lengths of light grey to buff fine grained rhyolite(?) with 1mm carbonate filled	14.85 - 18.33		50% pyrite in breccia zones, elsewhere c. 5% in veinlets and stringers.										

COCKINGTON PRINT

Drill Hole Record



Property	District	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim	T. Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
-------	---------	------------	-------	--------	----------	-------

Footage From To	Metres	Description	Metres		Mineralisation	Sample No.	Length	Analysis								
			To	From												
		vesicles, and breccia zones. Some colour variations are positively related to joints in the manner of Leisegang Rings (17.80).														
18.33 - 24.40		Dark grey lithic tuff (ashflow?). Fragments are typically ragged to amoeboid; rare ones are subangular, pale grey/green in colour. In general the groundmass is soft (sericitic), whilst fragments are harder (siliceous). Irregular diffuse lighter grey areas show fragments rich in sericite (ex glass?) with carbonate (after vesicles?). Pug at 19.90 indicates a <u>fault zone</u> .	18.33	24.40	Massive zones of pyrite (80%) of c.5cm length, of botryoidal to reticulate networks with carbonate and quartz. Trace sphalerite, very rare galena.											
24.40 - 49.80		Light grey to fawn rhyolite flow, strong banding, and subsequent diffuse veining by quartz and carbonate. Some colour banding appears related to joints but elsewhere banding is displaced at joints. Thin sections reveal carbonate throughout the rock matrix. Below 38.70 a vesicular appearance is characteristic. Carbonate filled vesicles, stringers and veins	24.40	49.80	Pyrite <2% generally; scattered veins of >50% pyrite.											
			38.50	38.70	Sheared pyrite zone.											
	T3															

COCKINGTON PRINT

Drill Hole Record



Property	District	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim	T. Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
-------	---------	------------	-------	--------	----------	-------

Footage From To	Metres Description	Metres		Mineralisation	Sample No.	Length	Analysis								
		To	From												
	(commonly at 65° to the core axis and oblique to the colour banding) are heralded above 38.70 by fine flecking of carbonate and quartz. The foliation demonstrated by the elongate vesicles is subparallel to the core axis to 44.90. Below this the alignment is 40-45° to core axis and shows a greater degree of parallelism with colour banding than above. It is possible that this alignment is related to more strongly developed cleavage and as such is not an original alignment. This unit also contains rare brilliant green irregular (< 3mm) forms noted in other holes.														
	145592 at 43.35														
	145593 at 49.20														
49.80 - 56.10	Major FAULT ZONE in lithic tuff	49.80	56.10	Up to 50% pyrite in preserved lengths of core. Low sulphide in sheared material.											
Core recovery															
49.80 - 56.10															
(6.30)															
Rec. 5.65															
56.10 - 68.35	Lithic tuff: fragments typically < 1cm rounded subangular and amoeboid, richly sericitic at	56.10	68.35	Pyrite typically 10% but up to 30% where sulphide fragments are present											

DOCKINGTON PRINT

Drill Hole Record



Property	District	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim	T. Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
-------	---------	------------	-------	--------	----------	-------

Footage Metres		Description	Metres		Mineralisation	Sample No.	Length	Analysis								
From	To		To	From												
		Fracture zones at 66.70, 68.40, 70.85.			93.35 to 93.45 10% sphalerite, 5% galena, 20% pyrite, banded and interstitial to rock fragments.											
					93.98 to 94.84 Stringers min. 5% sphalerite 2% galena, 5-10% pyrite											
					94.84 to 95.17 massive 80% pyrite as < 1mm subhedral crystals in polyhedral aggregates of 2-5mm matrix is siliceous. 1/2-1% chalcopyrite.											
					95.17 to 95.45 50% pyrite as polyhedral grain aggregates forming a whorl texture, sphalerite 10% as cryptocrystalline ovoids and 10% galena as interstitial crystals of approx. 1mm. Matrix is black - chlorite(?) after glass(?)											
					95.45 to 95.60 splashes of pyrite with chalcopyrite stringers.											
					95.60 to 96.72 mixed banded and stringer sulphides. Banded sulphide is about 1/2 of interval. In this, pyrite is 60%, elsewhere is 10%. Sphalerite and galena form discrete but erratic aggregates.											

COCKINGTON PRINT

Drill Hole Record



Property	District	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim
 T. Brg.
 Collar Dip
 Elev.
 Length
 Hole No.

Footage From To	Metres	Description	Metres		Mineralisation	Sample No.	Length	Analysis					
			To	From									
					Average contents are sphalerite 5%, galena 3% approx.								
100.65-160.10	T1	Strongly sheared very richly sericitic and chloritic <u>tuff agglomerate</u> . Fragments are streaked out, typically pumiceous with lenticles of sericite after glass(?). Fragment colour is black normally but rare white to greenish-cream fragments are present. Foliation (cleavage) is 45° to the core axis. Below 135.50 blue grey areas present (cf. 235 in QR2). These vein like and plume forms may be an unusual style of silicification. Rock colour is typically greenish black but below 152.40 the colour is bluish grey and fragments are harder to distinguish.	100.65-160.10		Pyrite averages 5% in the tuff matrix as clots and stringers, but reaches 25%+ 109.90 to 111.10 with galena and sphalerite (5% total) at 110.40 Fine sphalerite elsewhere is difficult to distinguish. The sulphides are very fine grained and the chloritic rock black in colour.								
150.30-151.25	(0.95)	<u>Fault zone</u> 150.30 to 151.25 strongly sheared and puggy											
Rec.65-75cms					145595 at 143.35								
					145596 at 153.75								
		END OF HOLE											

COCKINGTON PRINT

HOLE NO QR 3DATE 12-6-74INITIAL ANALYSIS: A.C.S. LabCHECK LAB: SUPERVISE SHEEN

SAMPLE NO	FROM M	TO M	W (cm)	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INTERVAL & BULK NO	%Cu	%Pb	%Zn	Δ	
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE		TIT	GRAV	TIT		
145301	88.94	89.94	100	Datum 89.95		0.012		0.37		0.40	10.1	7	150							
302	89.94	90.94	100			0.057		0.37		1.83	9.3	10	90							
303	90.94	91.94	100			0.031		0.73		2.29	7.4	9	90							
304	91.94	92.94	100			0.18		2.58		4.87	13.1	20	140							
305	92.94	93.94	100	tie in block 93.00		0.062		2.23		6.23	18.8	16	<20	} BULK *8	0.16	1.82	6.4			
306	93.94	94.94	100			0.023		1.38		9.78	13.0	18	65			(0.071)	(2.06)	(6.96)		
307	94.94	95.94	100			1.38		5.25		10.60	24.4	52	<20	} BULK *9	1.04	2.94	7.9			
308	95.94	96.94	100			0.81		1.41		5.30	22.1	35	<20			(1.09)	(3.33)	(7.95)		
309	96.94	97.94	100			0.14		1.32		1.79	16.8	13	25							
310	97.94	98.94	100	tie in block 98.65		0.026		0.06		1.23	10.4	9	130							
311	98.94	99.94	100			0.040		0.55		0.80	10.8	9	60							
312	99.94	100.94	100			0.052		0.52		2.20	8.5	8	55							
313	100.94	101.94	100	tie in block 101.70		0.013		0.15		0.38	9.8	3	65		145304	0.18	2.40	4.5		
314	101.94	102.94	100			0.014		0.17		0.32	10.1	2	50		145307	1.34	4.98	10.1		
315	102.94	103.94	100			0.019		0.46		0.74	11.0	3	75							
316	103.94	104.94	100	tie in block 104.00		<0.01		0.21		0.24	6.9	2	60							
317	104.94	105.94	100	tie in block 105.20		0.016		0.37		0.80	8.7	2	80							
318	105.94	106.94	100			<0.01		0.30		0.30	9.8	3	55							
319	106.94	107.94	100	tie in block 107.50		0.090		0.22		0.26	7.4	2	35							
320	107.94	108.94	100			0.011		0.31		0.37	7.6	5	45							
321	108.94	109.94	100			0.015		0.26		0.48	7.6	2	35							
322	109.94	110.94	100	tie in block 110.60		0.012		0.23		0.59	12.6	3	35							
323	110.94	111.94	100			<0.01		0.34		0.60	10.4	2	40							
324	111.94	112.94	100			<0.01		0.14		0.11	6.7	<2	25							
325	112.94	113.94	100	tie in block 113.70		<0.01		0.12		0.16	8.9	2	25							
WEIGHTED AVERAGE																				
	91.94	96.94	500			0.53		2.57		7.36		28.2								

ACS averages in brackets
Assayed individually -

HOLE NO QR3DATE 14-6-74INITIAL ANALYSIS: A.C.S. Labs

CHECK LAB:

SAMPLE NO	FROM M	TO M	I.W. cm	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INTERVAL & BULK NO	%Cu TIT	%Pb GRAV	%Zn TIT	Δ
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE					
145280	113.94	114.94	100			<0.01		0.17		0.27	6.9	<2	30						
281	114.94	115.94	100			<0.01		0.12		0.18	6.65	<2	30						
282	115.94	116.94	100	ties with block 116.80		0.012		0.21		0.32	6.05	<2	35						
283	116.94	117.94	100			0.010		0.48		0.72	11.00	<2	30						
284	117.94	118.94	100			0.010		0.15		0.25	6.48	<2	30						
285	118.94	119.94	100	ties with block 119.90		<0.01		0.22		0.26	10.20	<2	25						
286	119.94	120.94	100			0.014		0.20		0.33	10.40	<2	35						
287	120.94	121.94	100			0.010		0.63		0.51	9.78	2	40						
288	121.94	122.94	100	ties with block 122.95		0.019		0.91		1.10	12.4	7	30						
289	122.94	123.94	100			0.014		0.57		0.48	14.2	4	<2						
290	123.94	124.94	100			0.031		0.48		0.79	10.5	4	50						
291	124.94	125.94	100			0.010		0.12		0.14	7.10	<2	30						
292	125.94	126.94	100			<0.01		0.087		0.065	6.52	<2	30						
293	126.94	127.94	100	ties with block 127.15		<0.01		0.18		0.28	11.1	<2	35						
294	127.94	128.94	100			<0.01		0.16		0.24	8.93	<2	40						
295	128.94	129.94	100	no tie at 129.60		<0.01		0.095		0.083	8.31	<2	70						
296	129.94	130.94	100			<0.01		0.054		0.047	7.59	<2	55						
297	130.94	131.94	100			<0.01		0.065		0.087	11.20	<2	30						
298	131.94	132.94	100	No tie at 132.65 (Core loss $\Delta 40m$ betw 127.15 and 129.60 possibly at block 127.15.)		<0.01		0.13		0.21	9.52	<2	70						

HOLE NO QR 3DATE 9-9-74
10-9-74INITIAL ANALYSIS: A C S Labs

CHECK LAB:

SAMPLE NO	FROM (M)	TO (M)	I.W. (cm)	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INTERVAL & BULK NO	%Cu TIT	%Pb GRAV	%Zn TIT	Δ
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE					
148680	68.34	68.94	60	Origin of		0.024		0.79		2.20	11.6	11	240						
681	68.94	69.94	100	measurement		0.15		2.99		4.01	11.2	106	710						
682	69.94	70.94	100	block 89.95		0.029		0.71		1.15	6.79	22	330						
683	70.94	71.94	100	All other		<0.01		0.33		0.39	5.34	10	120						
684	71.94	72.94	100	blocks tie		<0.01		0.30		0.34	7.50	11	100						
685	72.94	73.94	100	in.		0.036		0.76		0.62	9.22	14	450						
686	73.94	74.94	100			0.010		0.61		0.77	11.8	13	280						
687	74.94	75.94	100			<0.01		0.62		0.65	10.9	17	390						
688	75.94	76.94	100			<0.01		0.89		0.77	11.0	20	430						
689	76.94	77.94	100			0.012		0.58		0.70	8.76	16	230						
690	77.94	78.94	100			<0.01		0.28		0.36	9.29	10	130						
691	78.94	79.94	100			<0.01		0.48		0.75	12.6	12	280						
692	79.94	80.94	100			<0.01		0.29		0.34	7.15	9	110						
693	80.94	81.94	100			<0.01		0.31		0.25	7.93	9	190						
694	81.94	82.94	100			<0.01		0.23		0.39	8.64	7	130						
695	82.94	83.94	100			<0.01		0.25		0.20	9.16	8	130						
696	83.94	84.94	100			0.018		0.16		1.25	7.82	6	190						
697	84.94	85.94	100			0.10		0.31		0.22	8.64	10	230						
698	85.94	86.94	100			0.082		0.52		1.72	6.03	9	200						
699	86.94	87.94	100			0.012		1.06		1.90	13.0	16	620						
148700	87.94	88.94	100			<0.01		0.43		0.68	8.76	8	350						

HOLE No QR 3

DATE 12/4/75

				INITIAL ANALYSIS:										CHECK LAB:				
SAMPLE NO	FROM M	TO M	IW cm	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INT.	%Cu	%Pb	%Zn
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE				
156572	62.50	63.32	82	Datum Block 62.50	<0.01		0.25		0.36			3	75					
156573	63.32	64.46	114		0.02		0.23		0.59			10	170					
156574	64.46	65.38	92	Block 65.55 ties in	0.01		0.17		0.16			10	140					