

PROJECT: TYNDALL

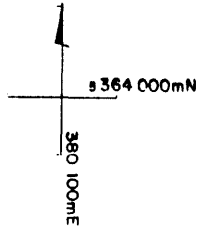
HOLE NO.: HP23

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL HOLE PLOT

PLAN VIEW

364 011.4mN
379 971.2mE

2600.8mR.L.



Limit of ca.

MEDIUM GRAINED VOLCANICLASTICS AND LAVAS
CUT BY MAFIC DYKES
sil., hem., chl., ser.

DIP PROFILE

HENTY FAULT
ser., shear., frac.

increased fracturing, ser.

200m
MYLONITE ZONE

CRUSHED ZONE

MINERALISED COARSE
VOLCANICLASTICS
sil., ser., chl., sulph.

259.0 - 260.0m
1.0m @ 3.43g/t Au
23.0g/t Ag
0.39% Cu
0.36% Pb
0.41% Zn

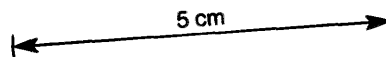
274.0 - 277.0m
3.0m @ 0.91g/t Au
6.7g/t Ag
0.29% Cu

WEAKLY ALTERED COARSE
VOLCANICLASTICS
sil., chl.

EOH 305.7m

5-10% py
1-2% py
15-20% py
10-15% py
10% py (+sp)

SCALE 1:1000



2394.1m R.L. (FFW)

2342.4m R.L. (EOH)

STATE: TAS.
HOLE NO.: HP23

102024

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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

102025

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	207.0	203.3	98	MEDIUM GRAINED VOLCANICLASTICS WITH MINOR AUTOBRECCIATED FELSIC LAVAS, CUT BY A SERIES OF MAFIC DYKES. STRONGLY WEATHERED NEAR SURFACE AND STRONGLY FRACTURED AND SERICITIC AT DEPTH.		0.0	60.8	HWWK										
						60.8	207.0	HWWK										
207.0	241.6	34.6	100	HENTY FAULT. A WELL DEVELOPED MYLONITE ZONE IS UNDERLAIN BY A FRACTURED ZONE AND A THIN CLAY-CRUSHED ZONE OF SOFT PLUGGY CLAYS. VERY WEAK MINERALISATION OCCURS IN THE FAULT.		207.0	232.0	FTMY										
						232.0	241.6	FTCS										
241.6	291.5	49.9	100	VARIABLY BUT GENERALLY STRONGLY ALTERED AND MINERALISED COARSE MEDIUM GRAINED VOLCANICLASTICS. THIN FINE GRAINED MASSIVE PYRITE LENSES ARE DEVELOPED AT THE BASE OF AN UPPER MINERALISED ZONE WHICH IS SEPARATED FROM TWO LOWER STRONGLY MINERALISED ZONES BY VERY WEAKLY ALTERED VOLCANICLASTICS.		241.6	291.5	FWWZ										
291.5	305.7	14.2	100	WEAKLY ALTERED, UNMINERALISED, VERY COARSE VOLCANICLASTIC BRECCIA. WEAKLY SILICIFIED WITH A STRONGLY FRACTURED SERICITIC ZONE.		291.5	305.7	FWWZ										
				DETAILED LOG														
				0.0-207.0 MEDIUM GRAINED VOLCANICLASTICS WITH MINOR LAVAS, CUT BY FINE GRAINED MAFIC DYKES.														
0.0	9.0			Tricone, no core recovered.														
9.0	19.0	8.6	86	Deep brown, strongly weathered volcaniclastics. Abundant limonite occurs pervasively through the rock and on joint surfaces. The rock is strongly fractured.														
19.0	60.8	41.6	100	Brown-green-grey, moderately weathered, medium grained volcaniclastics.														

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)										
From	To	m	%		Sample No	From	To	Rec. %	Al	Ag	As	Cu	Pb	Zn	Bi
				small (0.1m) crushed zones.											
				At 215.2, a 0.8m thick solid quartz metamorphic vein is underlain by 0.4m of soft clay and silt with minor rock fragments.											
				At 225.0, the core is very strongly fractured into puggy clays and soft angular sericitic rock fragments over 1.0m.											
				At 227.5 a 0.8m thick strongly sheared and foliated mylonitic black shale occurs.											
				Below this shale, the core becomes slightly sulphidic (1%) increasing towards the unit below.											
232.0	239.0	7.6	100	Pale green moderately strongly altered and sheared volcanics. The unit is altered to a sericitic-quartz assemblage with minor pyrite finely disseminated (1-2% by vol.) The rock contains numerous sericite-filled fractures and overall is strongly fractured.											
				Below 236.6m, a few narrow (0.1-0.2m wide) silicified zones occur. Also below this depth, the sericite turns a bright lime green colour throughout the fractured zones.											
239.6	241.6	2.0	100	Bright green-grey-black completed fractured unconsolidated clays. Soft puggy clay and very fine fractured rock (sericitic) fragments occur. The original lithology appears to have been strongly altered, but it is impossible to determine. Sulphides are also indiscernable. A sharp, fractured contact occurs with the unit below.											
				241.6-291.5 VARIABLY ALTERED AND MINERALISED COARSE-MEDIUM GRAINED VOLCANICLASTICS.	T9000	232.0	233.0	100	<0.008	<0.5	30	<5	125	215	1
					T7304		234.0	"	"	"	17	15	195	645	3
					5		235.0	"	"	"	21	<5	100	370	1
					6		236.0	"	"	"	22	"	105	315	4
241.6	251.0	9.4	100	Moderately strong altered and mineralised grey-green volcanics. The rocks are coarse grained with numerous, pinkish silicified clasts in a gritty matrix. The unit is poorly sorted, very weakly foliated and moderately fractured. The sequence is altered to silica-chlorite-sericite, and fine disseminated pyrite with rare coarser base metal sulphide blebs occurs as around 5-10% total sulphides. Veining is not developed and a few 0.1-0.2m wide, strongly silicified zones are present.	7		237.0	"	0.010	"	25	"	170	265	2
					8		238.0	"	"	0.5	34	40	230	810	1
					9		239.0	"	0.020	1.0	32	50	540	1450	2
					10		240.0	"	0.010	"	31	"	640	1850	2
					1		241.0	"	<0.008	<0.5	45	30	290	1015	<1
					2		242.0	"	"	"	25	45	215	445	2
					3		243.0	"	0.060	0.5	20	50	45	75	5
				At 244.4, a 0.3m puggy clay zone, similar to the previous unit, occurs.	T7314		244.0	"	<0.008	<0.5	6	90	10	50	4

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)										
From	To	m	%		Sample No	From	To	Rec. %	Au	Ag	As	Cu	Pb	Zn	Bi
				Below 246.0, the core is more sulphidic. In general, the rock above this depth is around 1-5%, below it is about 10%.	T7315	244.0	245.0	100	0.090	0.5	19	175	125	35	3
					6		246.0	"	0.130	1.0	23	35	25	175	<1
					7		247.0	"	0.510	1.5	19	600	45	30	2
251.0	261.6	10.6	100	Dark grey, strongly mineralised and altered medium grained volcaniclastics. An abrupt contact occurs with unit above, into this strongly foliated (at 50°C), weakly fractured sequence. A few large pebble siliceous clasts occur in a very fine grained matrix. The unit is unveined apart from a few wispy, pale green sericite veinlets. Minor, weakly developed silicified zones (0.1-0.2m wide) also occur. The overall sulphide content is around 15-20%, as disseminated very fine grained pyrite with a few coarse pyrite blebs. The rock is altered to a pyrite-sericite-quartz assemblage. At 258.7 the core contains several narrow (0.1m wide) clayey, highly fractured zones over the next 1.0m.	8		248.0	"	0.660	2.0	18	625	195	45	9
					9		249.0	"	0.620	3.0	20	605	730	375	10
					21		250.0	"	0.200	3.5	21	105	885	665	5
					2		251.0	"	0.160	3.0	26	170	725	265	5
					3		252.0	"	0.280	2.5	41	35	110	80	16
					4		253.0	"	0.240	3.0	32	30	70	10	6
					5		254.0	"	0.070	0.5	29	"	50	"	3
					6		255.0	"	0.040	1.0	30	25	45	5	8
					7		256.0	"	0.090	1.5	41	205	80	65	"
					8		257.0	"	0.030	0.5	29	295	50	85	3
					9		258.0	"	0.070	"	44	140	60	30	4
				At 259.0 a 0.4m wide band of fine grained massive pyrite occurs. This also contains minor coarse chalcopyrite. Another lensoid massive pyrite zone, 0.1m thick, occurs at 260.8.	30		259.0	"	0.620	6.0	220	930	820	1025	11
				A sharp contact at 45°C occurs with the unit below.	1		260.0	"	3.430	23.0	400	3850	3625	4100	21
					2		261.0	"	0.320	8.0	310	695	520	365	31
					3		261.6	"	0.170	2.5	130	225	70	35	11
261.6	262.9	1.3	100	Bright pink intensely silicified coarse volcaniclastics. A very strongly developed silica-hematite alteration overprints and floods the rock, which is unfoliated and unfractured. A sharp, fractured contact occurs with the unit below.	T7335	261.6	262.6	"	<0.008	<0.5	10	50	<5	"	2
262.9	273.0	10.1	100	Medium-coarse grained pink-grey volcaniclastics. These rocks are weakly altered/metamorphosed to chlorite-quartz-hematite-sericite-carbonate, with the latter occurring mainly as irregular veinlets. The rock is a poorly sorted gritty breccia, and is very weakly foliated and unfractured. Pyrite occurs irregularly through the unit, averaging 1-2% by vol.											
273.0	277.8	4.8	100	Strongly mineralised and altered coarse grained volcaniclastics. Large angular lava (Felsic) fragments occur in a fine grained matrix. The sequence is strongly altered to a silica-sericite-carbonate-sulphide assemblage. The core is unfractured and moderately foliated at 40°C. Veining is rare, but silicified zones, up to 20cm wide are common. Coarse sulphides, often base metal sulphides, are associated with these	T7336	273.0	274.0	"	0.080	<0.5	20	45	75	175	1
					7		275.0	"	0.190	1.5	41	985	105	70	10
					8		276.0	"	0.930	15.0	29	7050	410	390	23
					9		277.0	"	1.620	3.5	12	685	285	75	6
					T7340	277.0	278.0	"	0.030	<0.5	33	325	65	80	4

