

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

PROJECT: TYNDALL

HOLE NUMBER: HP31

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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
				quartz-hematite-chlorite-sericite assemblage.											
315.0	331.2	16.2	100	Dark pink-greenish-grey, fine grained-medium grained, volcaniclastics. Weakly foliated pale pink hematitic felsic lava fragments in a grey siliceous-sericitic-chloritic fine matrix. The core is weakly fractured and rarely quartz veined. Several, thin (0.1-0.2m) puggy, unconsolidated clay zones cut the sequence. Overall the core is moderately altered and is very weakly sulphidic with fine disseminated pyrite up to 1% by vol.	T9706	322.0	323.0	100	0.030	<0.5	15	160	20	60	<1
				Below 322.0, the rock becomes slightly more altered and is also more sulphidic with fine pyrite occurring in the matrix of the volcaniclastics - (up to 2-3% by vol.)	7		324.0	"	"	"	12	95	25	115	7
					8		325.0	"	0.410	-	9	450	15	85	4
					9		326.0	"	0.030	"	"	20	20	100	<1
					10		327.0	"	0.010	"	8	"	10	90	1
				At 329.0, the core is strongly sericitic, soft and in places, strongly fractured. This continues to the end of the unit.	1		328.0	"	"	"	7	10	35	160	3
					2		329.0	"	<0.008	"	11	15	25	85	2
					3		330.0	"	0.080	1.0	13	"	10	50	3
					T9714	330.0	331.2	"	0.230	1.5	"	36	50	205	<1
				331.2-363.1 STRONGLY ALTERED AND MINERALISED COARSE VOLCANICLASTICS WITH ZONES OF STRONGLY DEVELOPED SULPHIDES.											
331.2	333.5	1.9	83	Pale orange-grey intensely silicified volcaniclastics with a strong siliceous overprint - obscuring original textures in places. Streaky lenses of fine pyrite are present, sulphides making around 3-4% of the rock. A weak foliation is developed and the core is moderately fractured. Carbonate veins (irregular) cross-cut the siliceous (+ hematitic) sequence. No base-metal sulphides are present.	T9715	331.2	332.3	83	0.160	0.5	18	160	195	280	<1
					T9716	332.3	333.5	"	0.120	"	95	225	75	205	"
333.5	335.4	1.9	100	Fine grained massive pyrite with very minor intergrown fine carbonate and quartz. A massive structureless unit, that is moderately-strongly fractured and contains several (0.1-0.2m thick) sericitic puggy zones	T9717	333.5	334.5	100	5.100	81.0	1500	2750	6900	1075	290
					T9718	334.5	335.4	"	6.600	83.0	1700	2600	5900	525	190

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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
367.0	377.0	10.0	100	Pale green, moderately sericitic but otherwise weakly altered felsic lava or a weakly porphyritic (quartz) intrusive. Several quartz veins (metamorphic-thick) and sericite veinlets cut the rock which contains very small quartz crystals up to 1mm across. Minor base metal sulphides and coarse pyrite grains are present, usually with the quartz veins. The overall sulphide content is low, >1%. The core is unfractured and unfoliated. A sharp contact at 25° CA below.	T9750	367.0	368.0	100	<0.008	<0.5	4	290	25	360	<1
					1		369.0	"	"	"	5	135	20	80	"
					2		370.0	"	"	"	16	715	15	80	1
					3		371.0	"	"	"	23	635	<5	45	2
					4		372.0	"	"	"	20	260	15	65	<1
					5		373.0	"	"	1.0	2	20	<5	55	"
					6		374.0	"	"	<0.5	5	45	10	40	8
					7		375.0	"	"	"	2	25	"	20	13
					8		376.0	"	0.010	"	7	40	20	45	<1
377.0	391.0	14.7	100	Pale pink-dark green/grey interbedded coarse volcaniclastics with large (0.2-0.3m wide) cobbles of felsic lava, and fine grained epiclastics. This sequence is altered to a silica-chlorite-sericite-hematite assemblage, is moderately foliated at 50°CA and is weakly fractured. Between - 382.4 and 383.7 the core is pale grey and intensely silicified. END OF HOLE 391.7m.	T9759	376.0	377.0	"	<0.008	"	"	90	10	15	"