

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

418058

PROJECT: TYNDALL

HOLE NUMBER: LS. 11

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V. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (p.p.m)													
From	To	m	%		Sample No.	From	To	Rec. %	Au	Cu	Pb	Zn	Ag					
				107.0-362.6 PYRITIC VOLCANICLASTICS RICH IN QUARTZ AND PUMICE FRAGMENTS, WITH MINOR CHERTS AND RHYODACITIC LAVAS. STRONGLY MAGNETITIC AND HEMATITIC AT DEPTH.	12784	107	109	100	<0.01	310	<10	60	<1					
					12785	113	115	100	"	60	<10	20	<1					
07.0	164.0	57.0	100	Pale grey-green cherts and volcaniclastics. This unit is bedded, sub-aqueous and moderately pyritic - 5-10% vol. It is also moderately altered with abundant quartz and pale green sericite (all cryptocrystalline)-obscuring the bedding relationships. Some of the volcaniclastic beds contains small chloritic clasts otherwise they are fine grained. The pyrite occurs as veinlets and disseminations in both rock types. With depth the cherty sediments change, some being pale pink (hematitic?) and patches of semi-massive pyrite are developed. Overall the unit is incipiently foliated.	12786	119	121	100	"	520	<10	40	<1					
				Below 145.0, the volcaniclastics begin to dominate and become rich in quartz crystals (up to 2-3mm). Minor chalcopyrite occurs with the pyrite and as small blebs.	12787	125	127	100	"	25	<10	20	<1					
				At 161.0, a 20cm zone of chlorite-pyrite occurs. The pyrite forms lenses or beds of rounded aggregates (about 75% pyrite by vol.) - suggesting a syn-sedimentary origin.	12788	131	133	100	"	25	<10	20	<1					
					12789	137	139	100	"	50	<10	50	<1					
					12790	143	145	100	"	60	<10	30	<1					
64.0	217.0	53.0	100	Pale grey hematitic and pyritic volcaniclastics. The unit is very crudel bedded i.e. is more massive, and appears to be sub-marine. The contact between this unit and the one above is entirely gradational. The volcaniclastics are very coarse grained-almost grits, with abundant quartz crystals ranging up to 0.5cm across in size and many small angular chloritic and weakly hematitic fragments. Pyrite forms small thin stringers and semi-massive layers similar to that at 161.0 above. Pale pink-red hematite patches are developed. The matrix is altered to chlorite-sericite; overall the unit is moderately altered.	12791	149	151	100	"	50	<10	60	<1					
				Foliation is incipiently developed. Minor chalcopyrite blebs are scattered throughout the core. Some of the fine grained units are included as fragments in the coarser lithologies (soft-sediment deformation?). Calcite occurs rarely as small	12792	155	157	100	"	55	<10	40	<1					
					12793	161	163	100	"	295	<10	110	<1					
					12794	167	169	100	"	195	<10	70	<1					
					12795	173	175	100	"	65	<10	60	<1					