GOLD FIELDS EXPLORATION PTY. LIMITED

418111

DLV. PRESS

PROJECT: TYNDALL

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: JP3

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				matrix rich, grading into a complete ash sequence.				
97.4	121.0	23.6	100	Dark grey, incipiently weathered quartz-lithic rich ash. Dark grey chloritic ash containing numerous white quartz grains and hematitic (pinkish-red) lava fragments. The rock is rarely fractured with weakly developed limonite on the fractures. It appears to be crudely bedded in places. Below 115.4, the blocks of lava increase in size and abundance with depth. This grades into the unit below.				
121.0	212.2	91.2	100	Pale pink-grey, incipiently altered rhyodacitic lava with quartz+ feldspar phenocrysts up to 3mm wide in a chlorite-hematite altered groundmass. Weakly fractured, still slightly weathered with limonite developed. The feldspar phenocrysts (more numerous than the quartz phenocrysts) are replaced by green sericite-chlorite. Thin autobrecciation zones filled with ash and lava fragments occur. Thin, stringy wispy quartz veinlets occur also. Between 153.0 and 158.0, a dark green ash deposit occurs within the lava. The contacts are very diffuse & difficult to find. The lavas are more veined that the less competent ash deposits, which occur as thin (approx. 10cm) breccia zones in the lava or as major deposits as described above. Another such ash layer occurs at 168.0 (2.4m side), typically containing quartz and lithic fragments (as for the previous unit). Below this ash unit, at 170.4, the lava is only very weakly hematitic and more chloritic than usual, thus making it difficult to distinguish from the intercalated chloritic ash deposits. Quartz-chlorite metamorphic veining is common and a few weakly limonitic fractures still persist. The latter are associated with blocky fracture zones in the rock. Below 193.0, the ash becomes paler green, more sericitic and overall more altered. At 199.5, a 2.5m zone of silica-sericite overprints the hematitic-chloritic altered lava/ash sequence. Below this the				