418050

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE LOG AND ASSAY DATA

LV. PRESS

PROJECT: TYNDALL

HOLE NUMBER: LS12

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
10.0	100.2	90.2	100	Fine to coarse grained, green volcaniclastic with appreciable hematitic alteration. The grainsize varies from very fine grained to a fine grit size and is predominantly sericite-chlorite. Purple hematite clasts occur in the coarser grained fraction. Hematite also commonly forms veins, breccia zone cements, and infills fractures. Brown limonite coats many of the open fractures. The rock is only weakly altered overall, but is strongly indurated and a distinct blocky fracture is present, producing regular core lengths of 5-10cm. A segregation of darker chloritic sediment occurs at 55°CA (2cm thick) at 28.5. The unit appears to be hornfelsed. Quartz-albite metamorphic veins are developed. Below 40.0, the hematitic nature of the rock becomes less apparent and the unit is dark green in colour-more chloritic. Also the hornfelsing-fracturing is absent. Between 68.4 and 72.2 a zone of mixed sediment occurs. Small scale breccias, pale green fine grained clayey sediments, purple hematitic lenses and coarsegrained, gritty hematitic sandstones occur. Bedding attitudes are irregular. The unit then becomes medium grained, chlorite-sericite altered volcaniclastic sediments. Crudely bedded at 62°CA. Small lenses of the above 'confused' style of sedimentation are common. Magnetite veins become more abundant below this zone also. Patches of magnetite-hematite-chlorite alteration (5-10cm wide) are developed. Overall the magnetite-hematite content is approx. 5%. This unit grades into the one below.				
				100.2-248.8 HORNFELSED, MODERATELY ALTERED VOLCANICLASTICS. HEMATITIC AND SILICIC WITH STRONGLY DEVELOPED MAGNETITE VEINING.				
100.2	214.4	114.2	100	Pale purple grey, strongly hornfelsed fine grained volcaniclastics. Very hard, brittle rock, moderately to blockily fractured. Older fractures have been filled with hematite-chlorite-magnetite. The rock is weakly, but pervasively hematitic and only incipiently altered (chlorite-sericite). Limonite				