650394

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE LOG AND ASSAY DATA

PROJECT: GRAND PRIZE E.L. 42/71

HOLE NUMBER: GP6

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				Comments
				Close affinities with 469.2m. Main contrast is the paucity of
				fine magnetite "exsolved" from serpentinised olivine.
				CMS REPORT 84/3/27
				This Group comprises twelve samples of drill core from DDH
				GP6 in the Grand Prize area. As sampled, the drilled sequence
				includes a chloritic conglomerate (37.3m) overlying a sequence
				of phlogopitised to locally tourmalinised quartzose psammopelites
				(374.5m-437.8m) and variously carbonated to tremolite-talc-
				altered serpentinites (445.9m-487.5m).
				Alteration features, notably the development of phlogopite
				(and/or schorl) in the pelites and tremolite in ultramafics,
				are of distinctly contact-metasomatic character and essentially
				"isograde" with the Renison host rocks. Problematically,
				this sequence appears devoid of suitably reactive host rocks,
				particularly carbonate sediments with probable contra-indications
				for development of Renison-style contact-metasomatic tin mineral-
				isation as distinct from fracture or vein-related "lode" tin.
				Carbonated serpentinites may represent loci of limited meta-
				somatic mineralisation by analogy with the proximal Razorback
				situation, but there is some evidence that dolomitic alteration
				of serpentinites at Grand Prize may have developed contemporan-
				eously with, rather than prior to, the contact alteration,
				particularly in the apparent alternation of tremolitic and
				dolomitic assemblates in the GP6 drilled interval 446.3m-
				453.8m.

ASSAY DATA

Sample No.	From	To	Rec. %