

LOG OF D.D.H. 1 ROYAL GEORGE

UN 7957/130-133 DRILLING CARRIED OUT FOR B.H.P. BY
GOLDFIELDS D.D. CO.

0 - 9'6"	No Core
9'6" - 14'6"	Quartz Felspar Porphyry with some tourmaline (13' speck of torbernite)
14'6" - 15'	Greisenised granite
15' - 32'	Quartz felspar porphyry (At 17', 3" of greisen with leached sulphides) at 20' iron staining.
32' - 73'	Coarse grained granite - well weathered
73' - 137'	Mainly unweathered 93' Shear zone 9" (Angle 70-75°) in normal granite no greisen - some weathering 125' Minor Shearing 134' - 135'9" No Core 136' - 6" Tourmaline Muscovite in granite
137' - 312'	Weathered coarse grained granite 140' Minor Shearing 165' Pink orthoclase in granite 213' 2" fine grained granite 214' Ten inches of shearing (70°) 193' - 250' Some tourmaline
312' - 320'	Greisen and granite in narrow bands more greisen than granite - weathered
320' - 322'	Coarse grained granite
322' - 326'	Greisenised granite
326' - 345'	Porphyritic granite Shears at 333, 334, and 340.
345' - 380'	Coarse weathered granite

380' - 393'	Some fine grained granite in coarse unweathered - Sample 390
393' - 414'4"	Coarse unweathered granite
414'4" - 415'11"	Siliceous greisen - Appears that quartz has replaced felspars etc. in granite sulphides mainly pyrite Sample at 414'6"
415'11" - 417'	Coarse unweathered granite
417' - 417'2"	Greisen - arsenopyrite
417'2" - 436'4"	Coarse unweathered granite
436'4" - 437'2"	Greisen with sulphides
437'2" - 451'1"	Coarse unweathered granite
451'1" - 451'3"	Greisen and sulphides
451'3" - 453'	Coarse granite
453' - 454'	Greisen with quartz-tourmaline nodule 2" in centre - no visible sulphides
454' - 460'3"	Coarse granite
460'3" - 461'4"	Greisen with sulphides - mainly pyrite
461'4" - 466'8"	Coarse granite with minor silicification ($\frac{1}{2}$ " to 2") here and there
466'8" - 467'2"	Greisen
467'2" - 475'1"	Coarse granite with minor greisen (2" at 471' and 3" at 472')
475'1" - 476'7"	Greisen
476'7" - 478'8"	Coarse Granite
478'8" - 479'2"	Greisen
479'2" - 481'4"	Mostly greisen with inch or two of unreplaced granite at 479'3" and 480'3"
481'4" - 482'7"	Coarse Granite
482'7" - 488'3"	Mostly greisen with sulphides - Tin 1.62% at 484'6" is 3 inches granite
	486'5" Sample
488'3" - 488'4"	Coarse Granite

488'4" - 491'	Greisen
491' - 494'3"	Coarse Granite
494'3" - 497'6"	Greisen
497'6" - 497'9"	Coarse granite with small shears - weathered
497'9" - 501'6"	Greisen
501'6" - 502'4"	Coarse Granite
502'4" - 504'	Greisen with sparse sulphides

N.B. The core referred to in the log as greisen appears to be a silicified granite, that is the feldspars etc. have been replaced by quartz - sometimes but rarely, mica is present. This is the same core referred to by N. McLaren of B.H.P. as quartz - sulphides.

ASSAYS

<u>FROM</u>	<u>TO</u>	<u>TRUE THICKNESS</u>	% Sn
0	401'3"	283' 8"	NIL
401'3"	411'3"	7' 0 $\frac{1}{2}$ "	NIL
411'3"	414'4"	2' 2"	NIL
414'4"	415'11"	1' 1 $\frac{1}{2}$ "	TRACE
415'11"	418'6"	1' 10"	TRACE
418'6"	426'3"	5' 5 $\frac{3}{4}$ "	TRACE
426'3"	435'6"	6' 6 $\frac{1}{2}$ "	NIL
435'6"	441'6"	4' 3"	TRACE
441'6"	451'3"	6' 10 $\frac{1}{2}$ "	NIL
451'3"	460'3"	6' 4"	TRACE
460'3"	461'	0' 6 $\frac{1}{4}$ "	0.45
461'	469'	5' 7 $\frac{3}{4}$ "	TRACE
469'	475'2 $\frac{1}{2}$ "	4' 4 $\frac{3}{4}$ "	TRACE
475'2 $\frac{1}{2}$ "	476'7 $\frac{1}{2}$ "	1' 0"	TRACE
476'7 $\frac{1}{2}$ "	478'8"	1' 5 $\frac{1}{2}$ "	TRACE
478'8"	481'4"	1' 10 $\frac{1}{2}$ "	0.10
481'4"	482'7 $\frac{1}{2}$ "	0' 11"	TRACE
482'7 $\frac{1}{2}$ "	488'3 $\frac{1}{2}$ "	4' 1"	1.62
488'3 $\frac{1}{2}$ "	494'3 $\frac{1}{2}$ "	4' 3"	TRACE
494'3 $\frac{1}{2}$ "	504'	6' 10 $\frac{1}{4}$ "	0.32

The last three assays indicate 0.58% tin over 15 feet.



(T.D. Hughes)
SENIOR GEOLOGIST

Department of Mines,
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