

HOLE NO. : GP-90-3  
SECTION : 2455.00 EAST


PLUTONIC OPERATIONS LIMITED  
GOWRIE PARK

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Northing : 4941.50  
Easting : 2455.00  
Grid : FIRE TOWER  
Direction : Grid East  
Inclination : -65.0  
Elevation : 9947.00  
Azimuth : 90.0  
Mag Azimuth :  
Length (m) : 24.60  
Precol. (m) : 0.50 m  
BOCO : <0.50 m  
TFR : 0.50 m  
Water Table :

DIAMOND DRILL RECORD

Drill Type :  
Core Size :  
Contractor : N Poltock

Property : FIRE TOWER  
State : Tasmania  
GMR : GOG 4440  
E.L. No. : GOWRIE PARK  
Project No. : 706  
Date Started :  
Date Completed :  
Logged by : G. MacDONALD  
Relogged by :  
Date Logged : May '92  
Interpreted : G. MacDONALD  
Initialed : 

Dip Tests Method:  
Depth Az Dip  
24.6 90.0 -65.0

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	A <sub>p</sub> (ppm)
.00	.50	PRECOLLAR					
.50	24.60	VOLCANICLASTIC					
		QUARTZ LITHIC FIAMME VOLCANICLASTIC, SERICITISED.	SC000X	.50	1.00	.50	.10
		Silica sericite carbonate altered quartz, ghosted	SC000Y	1.00	2.00	1.00	.38
		feldspar, lithic fiamme volcanoclastic, beige green,	SC0000	2.00	3.00	1.00	.56
		massive to moderately foliated.	SC0001	3.00	4.00	1.00	1.56
.50	4.00	Medium grained quartz rich volcanoclastic with	SC0002	4.00	5.00	1.00	.46
		occasional black siltstone clasts which. Are sub	SC0003	5.00	6.00	1.00	8.53
		- rounded to sub - angular. Rock contains	SC0004	6.00	7.00	1.00	2.24
		occasional sericite altered fiamme. Rock is	SC0005	7.00	8.00	1.00	1.35
		strongly veined with leached quartz carbonate	SC0006	8.00	9.00	1.00	.17
		haematite veins with fresh pyrite adjacent to	SC0007	9.00	10.00	1.00	.52
		some veins. Some veins have manganese staining.	SC0008	10.00	11.00	1.00	.33
		The rock is weakly foliated at 30 degrees to the	SC0009	11.00	12.00	1.00	.28
		core axis. From 3.00 to 3.30 the rock is more	SC0010	12.00	13.00	1.00	8.15
		silicified with 1% fine grained disseminated	SC0011	13.00	14.00	1.00	4.29
		pyrite and galena. Rock is moderately oxidised	SC0012	14.00	15.00	1.00	2.44
		throughout.	SC0013	15.00	16.00	1.00	2.97
4.00	5.00	Less oxidised now. Rock contains occasional	SC0014	16.00	17.00	1.00	1.92
		cross-cutting quartz carbonate haematite veins	SC0015	17.00	18.00	1.00	1.56
		but more lithics. Rock is moderately silicified	SC0016	18.00	19.00	1.00	.28
		with 2% pyrite in blebs. From 4.30 to 4.40 the	SC0017	19.00	20.00	1.00	4.65
		rock contains 5% galena. Lithics include fiamme	SC0018	20.00	21.00	1.00	1.42
		black siltstone and beige green siltstone. The	SC0019	21.00	22.00	1.00	.53
		rock is foliated at 30 degrees to the core axis.	SC0020	22.00	23.00	1.00	.03
5.00	6.10	More strongly silicified now. From 5.65 to 5.75	SC0021	23.00	24.00	1.00	.86
		the rock is a pale pink, possibly k-spar	SC0022	24.00	24.60	.60	.65
		alteration. Rock contains occasional quartz					
		carbonate haematite veins and minor disseminated					
		pyrite in attenuated veins and very minor					
		disseminated galena from 5.20 to 5.45.					
6.10	6.65	More quartz rich volcanoclastic. Rock is					
		moderately sheared / brecciated from 6.30 to					
		6.65 at 35 degrees to the core axis.					
6.65	24.60	Essentially the same rock throughout. The rock					
		is a medium grained quartz, coarse grained					
		lithic, occasional fiamme volcanoclastic,					
		silica sericite and carbonate altered. Lithics					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	pu (ppm)
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are sub - rounded and include black shale and beige green siltstones. Rock contains quartz carbonate veins at 70 to 80 degrees to the core axis throughout. Rock contains occasional pyrite veins. Above 16.00 the rock is moderately foliated at 30 degrees to the core axis. Below 16.00 this foliation is much weaker. From 12.80 to 12.90 is a large clast or bed of black siltstone with very fine concordant layers of galena at 20 degrees to the core axis, parallel to the foliation in the surrounding rock. From 19.00 to 19.05 is a band of pyrite and black siltstone. The rock is rich in fiamme from 20.45 to 20.55 foliated at 55 degrees to the core axis. At 23.65 is a 2cm thick chert / fine grained galena vein at 45 degrees to the core axis. At 23.65 is a clast of fine grained volcanic with medium grained ghosted quartz phenocrysts. The rock contains only minor pyrite throughout generally as fine disseminations and attenuated veinlets. 24.60 E.O.H.