974063

HOLE NO. : GP-90-2
SECTION : 2502.50 EAST

PLUTONIC OPERATIONS LIMITED
GOWRIE PARK

Page: 1

DIAMOND DRILL RECORD

Northing : 4967.00
Easting : 2502.50
Grid : FIRE TOWER
Direction : Vertical
Inclination : -90.0
Elevation : 9983.00
Azimuth : 180.0
Mag Azimuth :
Length (m) : 25.80
Precol. (m) : 0.30 m
BOCO : <0.30 m
TFR : 0.30 m
Water Table :

Drill Type :
Core Size :
Contractor :N Poltock

Dip Tests Method:

Depth	Az	Dip
25.8	180.0	-90.0

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
Initialled :

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
.00	.30	PRECOLLAR					
.30	1.60	VOLCANICLASTIC Quartz volcaniclastic, moderately oxidised but silica sericite and carbonate altered with fine haematite veins throughout, generally with manganese staining. The rock contains 0.2% pyrite in occasional coarse grained clots.	SB000X SB000Y	.30 1.00	1.00 2.00	.70 1.00	.07 .25
1.60	2.40	PELITE / VOLCANICLASTIC INTERMIXED SILTSTONES AND SERICITISED VOLCANICLASTICS. Intermixed grey to dark grey siltstone clasts/rafts to 8cm thick and quartz rich volcaniclastic, silica sericite and carbonate altered. The rock has been soft sediment deformed with flame structures visible. The siltstone contains very fine grained disseminated arsenopyrite and fine quartz galena pyrite veinlets. Bedding is generally deformed though occasionally at 40 degrees to the core axis. Pyrite minor galena veins cross-cut irregularly and are associated with silicification. The volcaniclastic contains occasional black siltstone fragments. The lower contact with the underlying quartz feldspar rich volcaniclastic is gradational.	SB0000	2.00	3.00	1.00	.28
2.40	5.30	VOLCANICLASTIC QUARTZ FELDSPAR VOLCANICLASTIC. Pale pinky green to pale pink, coarse grained, massive volcaniclastic consisting of sub - rounded quartz and pink feldspars. From 2.40 to 3.30 the rock contains more quartz than feldspar with equal amounts of quartz and feldspar below 3.30. From 2.40 to 3.30 the rock contains 5% very coarse grained clots of pyrite with minor galena. Here the rock also contains occasional black siltstone fragments. From 3.30 to 5.00 the rock contains pyrite veins to 5mm thick every 20cm and occasional black siltstone fragments. Above 5.00 the feldspars are pink whilst below 5.00 they are white. Below 5.00 the rock contains 0.5% galena in fine veins cross-cutting irregularly and minor pyrite in clots. The rock becomes more quartz rich downhole to the lower contact which is somewhat gradational.	SB0001 SB0002 SB0003	3.00 4.00 5.00	4.00 5.00 6.00	1.00 1.00 1.00	.78 .52 .36

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
5.30	25.80	VOLCANICLASTIC					
		QUARTZ LITHIC FIAMME VOLCANICLASTIC, SERICITISED. Pale to dark to beige green, medium grained to coarse grained quartz lithic volcaniclastic, generally silica sericite and carbonate altered, chloritic where noted below. Lithics include beige green and black siltstones. The rock contains numerous cross-cutting pyrite veins with minor galena and possibly sphalerite.	SB0004	6.00	7.00	1.00	.79
			SB0005	7.00	8.00	1.00	.18
			SB0006	8.00	9.00	1.00	.43
			SB0007	9.00	10.00	1.00	.78
			SB0008	10.00	11.00	1.00	4.53
			SB0009	11.00	12.00	1.00	.66
			SB0010	12.00	13.00	1.00	.14
			SB0011	13.00	14.00	1.00	.50
			SB0012	14.00	15.00	1.00	.04
			SB0013	15.00	16.00	1.00	.06
			SB0014	16.00	17.00	1.00	.57
			SB0015	17.00	18.00	1.00	.59
			SB0016	18.00	19.00	1.00	.25
			SB0017	19.00	20.00	1.00	1.38
			SB0018	20.00	21.00	1.00	1.52
			SB0019	21.00	22.00	1.00	.19
			SB0020	22.00	23.00	1.00	.27
			SB0021	23.00	24.00	1.00	.13
			SB0022	24.00	25.00	1.00	1.07
			SB0023	25.00	25.80	.80	.25
	5.30 7.00	Quartz volcaniclastic as above but oxidised after cross-cutting pyrite veins. The rock contains 2% pyrite in cross-cutting veins generally at 50 to 60 degrees to the core axis.					
	7.00 9.30	Quartz lithic volcaniclastic as above with occasional cross-cutting pyrite veins.					
	9.30 9.70	Quartz lithic volcaniclastic as above with oxidised veins at 40 degrees to the core axis after pyrite.					
	9.70 10.40	Quartz lithic volcaniclastic as above with 1% pyrite associated with silicification.					
	10.40 12.80	Quartz lithic rich volcaniclastic as above with minor disseminated pyrite. The rock contains a black siltstone clast with weak bedding and apparently conformable 4% disseminated galena. The rock contains occasional cross-cutting oxidised veins with manganese staining. Lithics are foliated at 10 degrees to the core axis. The major shear zone previously logged for 12.60 is in broken core but is not obvious. From 12.60 to 12.80 the rock is strongly silicified with coarse grained disseminated clots of galena sphalerite pyrite and minor chalcopyrite.					
	12.80 14.00	Quartz lithic volcaniclastic as above with numerous cross-cutting quartz carbonate haematite veins at 70 to 80 degrees to the core axis and 2% pyrite in 5mm thick veins and 1% galena in fine attenuated veins at 70 to 80 degrees to the core axis.					
	14.00 15.90	Quartz volcaniclastic but now moderately to strongly chlorite altered. The rock contains 2% pyrite in coarse grained clots. The rock contains very occasional attenuated veinlets of galena sphalerite chalcopyrite.					
	15.90 25.80	Quartz lithic fiamme volcaniclastic as above, now silica sericite and carbonate altered again. The rock contains 1% pyrite associated with quartz veining and silicification and 0.5% galena in fine grained clots. The rock contains haematitic zones from 16.50 to 16.80 and 17.40 to 17.70 after oxidised pyrite. Similar haematitic zones are associated with moderate shearing at 40 degrees to the core axis from 18.40 to 18.60, 19.40 to 19.60 and 21.50 to 21.60. The rock contains occasional irregular clasts of black siltstone and possibly a chloritic, mafic(?) volcanic					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		fragment from 24.50 to 24.80. The rock contains cross-cutting pink carbonate and quartz veins with occasional pyrite, irregularly oriented. The rock contains occasional pyrite clots with minor associated galena and sphalerite. Below 23.00 the rock contains occasional fiamme foliated sub - parallel to the core axis.					
	25.80	E.O.H.					