974100

HOLE NO. : GP-90-16
SECTION : 2421.00 EAST

PLUTONIC OPERATIONS LIMITED
GOWRIE PARK

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DIAMOND DRILL RECORD

Northing : 4952.50
Easting : 2421.00
Grid : FIRE TOWER
Direction : Grid South
Inclination : -55.0
Elevation : 9913.00
Azimuth : 180.0
Mag Azimuth :
Length (m) : 30.75
Precol. (m) : 2.00 m
BOCO : <2.00 m
TFR : 2.00 m
Water Table :

Drill Type :
Core Size :
Contractor :N Poltock

Dip Tests Method:
Depth Az Dip
30.8 180.0 -55.0

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	2.00	PRECOLLAR					
2.00	9.15	VOLCANICLASTIC QUARTZ LITHIC FIAMME VOLCANICLASTIC. Pale grey green to beige green, weakly foliated, medium grained to very coarse grained volcaniclastic consisting of medium grained to coarse grained (to 4mm) sub - rounded quartz, very coarse grained unflattened quartz feldspar phyric sericite, carbonate altered fiamme oriented at approximately 70 degrees to the core axis up to 30mm and very occasional medium grained to coarse grained (to 5mm) sub - rounded clasts of dark grey, fine grained siliceous siltstones and beige fine grained siliceous tuff. The rock is only occasionally weakly oxidised. Rock is silica, sericite and carbonate altered throughout with clay spots. To 3.25 m the rock contains occasional quartz carbonate haematite pyrite veins at 70 to 80 degrees to the core axis. From 3.25 to 9.15 the rock contains only very minor quartz carbonate veining and only very minor pyrite throughout.	SP000X	2.00	3.00	1.00	.32
			SP0001	3.00	4.00	1.00	.09
			SP0002	4.00	5.00	1.00	.06
			SP0003	5.00	6.00	1.00	.04
			SP0004	6.00	7.00	1.00	.09
			SP0005	7.00	8.00	1.00	.42
			SP0006	8.00	9.00	1.00	.96
			SP0007	9.00	10.00	1.00	.16
9.15	9.80	BRECCIA BRECCIA-FAULT ZONE. Orange brown, strongly clay altered fault zone. Rock is that logged for both underlying and overlying units but brecciated and sheared.					
9.80	28.05	VOLCANICLASTIC QUARTZ LITHIC FIAMME VOLCANICLASTIC. Generally beige green to beige brown medium grained to very coarse grained moderately foliated quartz, lithic volcaniclastic with variable fiamme. Quartz is sub - angular to sub - rounded. Lithics include black siltstone, beige green tuff and very fine grained cherty sediment / tuff. Clasts other than the siltstones are generally sub - rounded to sub - angular and are up to 20mm. Below 26.25 the rock contains very irregular fragments / beds of black siltstone. The rock contains fine irregular veins throughout of carbonate / clay alteration. Where foliated	SP0008	10.00	11.00	1.00	.09
			SP0009	11.00	12.00	1.00	.13
			SP0010	12.00	13.00	1.00	.02
			SP0011	13.00	14.00	1.00	.24
			SP0012	14.00	15.00	1.00	.24
			SP0013	15.00	16.00	1.00	.12
			SP0014	16.00	17.00	1.00	.07
			SP0015	17.00	18.00	1.00	.03
			SP0016	18.00	19.00	1.00	.78
			SP0017	19.00	20.00	1.00	.26
			SP0018	20.00	21.00	1.00	.52

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		the foliation is at 60 to 75 degrees to the core axis. The rock contains only very occasional fiamme. The rock contains minor pyrite, locally up to 2% in veins and fracture infillings and occasionally very minor chalcopyrite associated with quartz carbonate veining. The rock is generally weak to moderately quartz carbonate veined with veining at 70 to 90 degrees to the core axis. The contact with the underlying siltstone is sharp and unsheared at 30 degrees to the core axis.	SP0019	21.00	22.00	1.00	1.37
			SP0020	22.00	23.00	1.00	.03
			SP0021	23.00	24.00	1.00	.31
			SP0022	24.00	25.00	1.00	.09
			SP0023	25.00	26.00	1.00	1.19
			SP0024	26.00	27.00	1.00	.50
			SP0025	27.00	28.00	1.00	.26
			SP0026	28.00	29.00	1.00	1.29
		9.80 11.40 As above with very minor pyrite and lithics rare					
		11.40 13.25 As above but with minor pyrite and arsenopyrite associated with patches of silicification and occasional lithics.					
		13.25 13.75 As above but with quartz chlorite vein at 70 degrees to the core axis and minor pyrite. The rock is weakly chlorite altered also.					
		13.75 15.70 As above but with very minor pyrite and trace arsenopyrite again associated with patches of silicification.					
		15.70 18.30 As above with very minor pyrite. Rock more clastic.					
		18.30 18.65 As above with approximately 1% pyrite.					
		18.65 19.45 As above with very minor pyrite.					
		19.45 21.30 As above with 0.5% pyrite in blebs and minor associated arsenopyrite.					
		21.30 26.25 As above with approximately 0.5% pyrite in irregular clots and very occasional very minor chalcopyrite.					
		26.25 28.05 As above with large irregular black siltstone clasts. Rock contains approximately 0.5% chalcopyrite and arsenopyrite. The chalcopyrite is generally in cross-cutting quartz veins and fine grained disseminations. The arsenopyrite is in patches associated with silicification. Carbonate / clay veins continue through the siltstone clasts.					
28.05	30.75	PELITE / VOLCANICLASTIC BLACK SILTSTONE WITH QUARTZ FRAGMENTS.	SP0027	29.00	30.00	1.00	.11
		28.05 30.75 Black fine grained massive siliceous siltstone with interbedded patches of sulphidic quartz, sericite, carbonate altered rock. The siltstone contains cross-cutting quartz carbonate veins occasionally irregularly oriented but generally at high angles to the core axis. Approximately 0.5% chalcopyrite and arsenopyrite is associated with these veins and more diffuse patches of carbonate alteration. The quartz volcaniclastic / strongly altered rock (?) contains locally 2% arsenopyrite and chalcopyrite. It is probably a quartz volcaniclastic as the quartz looks like the quartz in the previous unit and the quartz carbonate veins post-date this quartz. The quartz volcaniclastic interbeds are moderately clay altered after carbonate. The contacts between the siltstone and the	SP0028	30.00	30.75	.75	1.24

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		volcaniclastic are at low angles to the core axis.					
28.05	28.50	As above but 100% siltstone.					
28.50	28.80	As above but 50% siltstone, 50% interbed.					
28.80	30.25	As above but 100% siltstone.					
30.25	30.40	As above but interbed.					
30.40	30.65	As above but 100% siltstone.					
30.65	30.70	As above but interbed.					
30.70	30.75	As above but 100% siltstone.					
30.75		E.O.H.					