

HOLE NO. : GP-90-17
SECTION : 2423.00 EAST


PLUTONIC OPERATIONS LIMITED
GOWRIE PARK

Northing : 4922.50
Easting : 2423.00
Grid : FIRE TOWER
Direction : Grid South
Inclination : -55.0
Elevation : 9916.00
Azimuth : 180.0
Mag Azimuth :
Length (m) : 30.35
Precol. (m) : 1.65 m
BOCO : <1.65 m
TFR : 1.65 m
Water Table :

DIAMOND DRILL RECORD

Drill Type :
Core Size :
Contractor : M Poltock

Dip Tests Method:
Depth Az Dip
30.4 180.0 -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
Initialed 

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
.00	1.65	PRECOLLAR					
1.65	3.55	PELITE					
	1.65 2.40	SILTSTONE, INTERBEDDED AND SERICITIC. Interbedded dark grey to pale grey tuffaceous siltstone with bedding at 40 to 55 degrees to the core axis. Rock contains 2% to 4% pyrite in fine veins with oxidised selvages. The rock also contains trace fine grained disseminated arsenopyrite.	SP000Y	1.65	2.00	.35	.26
			SP000X	2.00	3.00	1.00	.32
			SP0001	3.00	4.00	1.00	.09
	2.40 2.80	SILTSTONE / BRECCIA. Carbonate healed breccia of dark grey and pale grey tuffaceous siltstone. Quartz carbonate veins cross-cutting the brecciated rock are in turn cross-cut by pyrite veins. The rock contains 1% pyrite, 0.5% fine grained arsenopyrite and very minor chalcopyrite associated with the carbonate.					
	2.80 3.55	SILTSTONE, SERICITIC. Initially weakly brecciated siltstone becoming finely bedded bedded downhole at 40 to 45 degrees to the core axis. Rock contains 0.5% pyrite and arsenopyrite throughout. From 3.35 to 3.55 the rock contains a brecciated contact sub - parallel to the core axis.					
3.55	4.60	VOLCANICLASTIC FINE GRAINED VOLCANICLASTIC, SERICITIC. Pale cm green fine grained siliceous volcaniclastic / siltstone. The rock contains trace arsenopyrite and minor pyrite.	SP0002	4.00	5.00	1.00	.06
4.60	30.15	VOLCANICLASTIC Generally beige green, occasionally dark grey green, medium grained volcaniclastic with medium grained quartz clasts throughout and occasional lithics. The rock is generally silica sericite and carbonate altered occasionally moderately chloritic. The rock contains only minor sulphides.	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
			SP0008	10.00	11.00	1.00	.09
	4.60 6.55	As above but fine grained volcaniclastic consisting of fine grained quartz clasts, sub - rounded to sub - angular in a silica sericite	SP0009	11.00	12.00	1.00	.13
			SP0010	12.00	13.00	1.00	.02
			SP0011	13.00	14.00	1.00	.24

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	μ (ppm)
		carbonate altered matrix. Rock contains trace to 0.2% arsenopyrite.	SP0012	14.00	15.00	1.00	.24
			SP0013	15.00	16.00	1.00	.12
6.55	7.00	As above but medium grained quartz rich volcaniclastic with approximately 1% pyrite and fine chlorite veins generally at 70 degrees to the core axis. Silica sericite carbonate altered.	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
7.00	8.30	As above but medium grained volcaniclastic with quartz and lithics in a silica sericite carbonate altered matrix. The rock contains only minor pyrite. Cross-cutting quartz carbonate veins are cross-cut by chlorite and quartz chlorite veins at high angles to the core axis.	SP0018	20.00	21.00	1.00	.52
			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
8.30	9.25	As above but moderately chlorite altered medium grained volcaniclastic. Chlorite veins generally at 70 degrees to the core axis. The rock contains 0.5% pyrite and very minor chalcopyrite.	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
			SP0027	29.00	30.35	1.35	.11
9.25	10.10	As above but silica sericite carbonate altered medium grained volcaniclastic with cross-cutting quartz chlorite veins at 70 degrees to the core axis.					
10.10	13.40	As above but silica sericite carbonate altered medium grained volcaniclastic with medium grained lithics. Quartz fragments are generally sub - angular. Quartz carbonate veins are cross-cutting sub - perpendicular to the core axis. Occasional minor pyrite veins.					
13.40	13.41	Black fine grained fragment or bed at 20 degrees to the core axis with medium grained quartz clasts.					
13.41	15.30	As above but medium grained volcaniclastic with coarse grained lithics including black siltstone and pale green tuffaceous siltstone. The rock contains minor pyrite and arsenopyrite throughout and cross-cutting quartz carbonate veins at 70 to 80 degrees to the core axis.					
15.30	18.80	As above but quartz lithic volcaniclastic and dark grey green due to moderate chlorite alteration. The rock contains fine chlorite veins. A cross-cutting quartz minor arsenopyrite minor chalcopyrite vein at 45 degrees to the core axis at 15.45 appears to cross-cut the fine chlorite veins. The rock contains trace arsenopyrite, chalcopyrite and pyrite throughout.					
18.80	28.60	As above but silica sericite carbonate altered, medium grained to coarse grained quartz and lithic rich volcaniclastic. Lithics include very fine grained cream cherty fragments and black siltstones. The matrix is beige, green and contains trace arsenopyrite, minor pyrite and occasionally minor chalcopyrite throughout. The arsenopyrite is associated with pyrite veins, the chalcopyrite with quartz carbonate alteration. The rock contains 2% pyrite and 0.5% arsenopyrite from 23.75 to 23.95 ; 2% pyrite and 0.5%					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)
		arsenopyrite to 24.80 and 2% pyrite and 0.5% arsenopyrite from 24.80 to 25.10.					
28.60	30.15	As above but medium grained quartz and lithic volcanoclastic dark grey green due to chlorite alteration. The rock contains 0.5% arsenopyrite and 1% pyrite from 28.90 to 29.10.					
30.15	30.35	PELITE SILTSTONE, CHLORITIC. Very fine grained very dark green chloritic siltstone with irregular carbonate filled fractures. The upper contact is at 45 degrees to the core axis. The rock contains negligible sulphides.					
	30.35	E.O.H.					