974069

HOLE NO. : GP-90-5
SECTION : 2520.00 EAST

PLUTONIC OPERATIONS LIMITED
GOWRIE PARK

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Northing : 4984.50
Easting : 2520.00
Grid : FIRE TOWER
Direction : Grid South
Inclination : -50.0
Elevation : 9977.00
Azimuth : 180.0
Mag Azimuth :
Length (m) : 30.20
Precol. (m) : 1.50 m
BOCO : <1.50 m
TFR : 1.50 m
Water Table :

DIAMOND DRILL RECORD

Drill Type :
Core Size :
Contractor :N Poltock

Dip Tests Method:

Depth	Az	Dip
30.2	180.0	-50.0

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	1.50	PRECOLLAR					
1.50	17.85	PELITE / PSAMMITE					
	1.50 3.30	Pale grey green green, silty to sandy beds with occasional interbedded dark grey beds to 3 mm thick at 50 degrees to the core axis. Sediments are generally quartz feldspar rich. The rock contains leached weathered veins at 70 to 80 degrees to the core axis.	SE000X	1.50	2.00	.50	.03
			SE0000	2.00	3.00	1.00	.01
			SE0001	3.00	4.00	1.00	.09
			SE0002	4.00	5.00	1.00	.02
			SE0003	5.00	6.00	1.00	.05
			SE0004	6.00	7.00	1.00	.02
	3.30 14.20	Rhythmically interbedded pale cream beds and dark grey siltstones with bedding at 50 to 55 degrees to the core axis. Rock contains very occasional micro fractures and faults. Rock contains very occasional haematite quartz carbonate veins at low angles to the core axis.	SE0005	7.00	8.00	1.00	.03
			SE0006	8.00	9.00	1.00	.09
			SE0007	9.00	10.00	1.00	.02
			SE0008	10.00	11.00	1.00	.06
			SE0009	11.00	12.00	1.00	.01
			SE0010	12.00	13.00	1.00	.04
	14.20 17.85	As logged for 3.30 to 14.20 except in a soft sediment mass flow breccia. Downhole the rock contains quartz lithic sandy beds.	SE0011	13.00	14.00	1.00	<.01
			SE0012	14.00	15.00	1.00	.01
			SE0013	15.00	16.00	1.00	.05
			SE0014	16.00	17.00	1.00	.03
			SE0015	17.00	18.00	1.00	.01
17.85	19.30	PSAMMITE SANDSTONE, HANGING WALL. Beige quartz and feldspar rich sandstone with fragments to 1 mm of dark grey and pale green siltstone. The rock is massive.	SE0016	18.00	19.00	1.00	.12
			SE0017	19.00	20.00	1.00	.12
19.30	19.85	SHEAR ZONE Oxidised shear zone with red brown and pale fragments in a clay rich matrix. The rock is a shear zone. Shearing is at approximately 50 degrees to the core axis.					
19.85	20.05	PSAMMITE As logged for 17.85 to 19.30.	SE0018	20.00	21.00	1.00	3.80
20.05	20.40	BRECCIA BRECCIATED CONTACT. Strongly brecciated contact between black siltstone and underlying beige volcaniclastic. Fractures contain 2%					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		pyrite and 2% arsenopyrite.					
20.40	22.65	VOLCANICLASTIC VOLCANICLASTIC, SERICITISED. Silica sericite carbonate altered quartz, sericitized feldspar, fiamme, minor lithic volcaniclastic with bedding at 50 to 60 degrees to the core axis. Rock contains minor disseminated galena or arsenopyrite throughout. Rock contains pyrite and galena or arsenopyrite in veins from. 20.50 to 20.60, 21.20 to 21.40 and from 22.10 to 22.25.	SE0019 SE0020	21.00 22.00	22.00 23.00	1.00 1.00	.04 1.22
22.65	22.90	VOLCANICLASTIC FINE GRAINED VOLCANICLASTIC. Dark brown fine grained snowflake carbonate textured rock. The contact with the underlying volcaniclastic is erosional and sulphidic with 10% arsenopyrite over 50 mm and 1% pyrite and chalcopyrite. Rock is massive.					
22.90	24.30	VOLCANICLASTIC QUARTZ FELDSPAR VOLCANICLASTIC. Pale orange brown quartz feldspar rich volcaniclastic. The rock is very similar to that logged in GP-90-2. The rock is moderately sericite altered throughout and is weakly foliated at 40 to 50 degrees to the core axis, contains cross-cutting carbonate pyrite minor chalcopyrite and galena veins at 15 degrees to the core axis from 23.80 to 24.00.	SE0021 SE0022	23.00 24.00	24.00 25.00	1.00 1.00	.13 .97
24.30	24.80	SHEAR ZONE / VOLCANICLASTIC Rock as for 22.90 to 24.30 but now is strongly oxidised and probably a shear zone. The rock contains 2% to 4% pyrite throughout in clots.					
24.80	30.20	VOLCANICLASTIC VOLCANICLASTIC, SERICITISED. Beige green silica sericite carbonate altered medium grained to coarse grained quartz, fiamme (to 30 mm), volcaniclastic. Rock is foliated at 45 degrees to the core axis. Strong carbonate brecciation of rock. Cross-cutting quartz carbonate veins at 70 to 90 degrees to the core axis also contain minor pyrite and very minor galena and chalcopyrite. The rock contains an oxidised pyrite vein at 25 degrees to the core axis from 24.80 to 24.95. 30.20 E.O.H.	SE0023 SE0024 SE0025 SE0026 SE0027 SE0028	25.00 26.00 27.00 28.00 29.00 30.00	26.00 27.00 28.00 29.00 30.00 30.20	1.00 1.00 1.00 1.00 1.00 .20	1.04 .12 .26 .96 .53 .56