

HOLE NO. : GP-90-12
SECTION : 2360.00 EAST

PLUTONIC OPERATIONS LIMITED
GOWRIE PARK

Page: 074087

Northing : 4969.00
Easting : 2360.00
Grid : FIRE TOWER
Direction : Grid South
Inclination : -60.0
Elevation : 9913.00
Azimuth : 180.0
Mag Azimuth :
Length (m) : 30.10
Precol. (m) : 0.60 m
BOCO : <0.60 m
TFR : 0.60 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
Initialled *G. MacDONALD*

Dip Tests Method:
Depth Az Dip
30.1 180.0 -60.0

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	A _i (ppm)
.00	.60	PRECOLLAR					
.60	11.20	PSAMMITE SANDSTONE, MINOR PELITE.	SL000Y	.60	1.00	.40	<.01
.60	5.00	Weakly oxidised, generally sand grade, massive grey green sandstone / greywacke. The rock contains very minor fractures / veins and no sulphides.	SL000X	1.00	2.00	1.00	<.01
			SL0000	2.00	3.00	1.00	<.01
			SL0001	3.00	4.00	1.00	<.01
			SL0002	4.00	5.00	1.00	<.01
5.00	5.75	Silt grade grey green siltstone with bedding at 40 degrees to the core axis.	SL0003	5.00	6.00	1.00	<.01
			SL0004	6.00	7.00	1.00	<.01
5.75	11.20	Predominantly tan brown to green brown sand grade, massive sandstone. Bedding is at 40 degrees to the core axis. Rock becomes more silty below 9.35.	SL0005	7.00	8.00	1.00	<.01
			SL0006	8.00	9.00	1.00	<.01
			SL0007	9.00	10.00	1.00	<.01
			SL0008	10.00	11.00	1.00	<.01
			SL0009	11.00	12.00	1.00	<.01
11.20	13.50	PELITE SILTSTONE, BEDDED. Finely bedded predominantly silty rock with some sandy and shaley beds. The rock is generally grey green, else brown with the shale beds dark grey. Bedding is at 50 degrees to the core axis with micro faults and fractures sub-perpendicular to bedding.	SL0010	12.00	13.00	1.00	<.01
			SL0011	13.00	14.00	1.00	<.01
13.50	13.80	SHEAR ZONE Mylonitised shear zone with ovoid clasts of grey green siltstone in a sericite clay matrix with fine orange brown clay tails on rotated clasts. Shearing is oriented at 35 degrees to the core axis.					
13.80	16.20	PELITE SILTSTONE, BEDDED. Rhythmically bedded as for 11.20 to 13.50 but bedding now dark grey green at 50 degrees to the core axis.	SL0012	14.00	15.00	1.00	<.01
			SL0013	15.00	16.00	1.00	<.01
			SL0014	16.00	17.00	1.00	<.01
16.20	17.10	PSAMMITE QUARTZ FELDSPAR VOLCANICLASTIC. Quartz feldspar rich volcanoclastic with chlorite interstices weathered to clay. Upper contact is irregular	SL0015	17.00	18.00	1.00	<.01

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	µu (ppm)
		but sharp with overlying siltstone. Rock contains some very coarse grained (to 8 mm) siltstone clasts and chloritic fiamme with discernible bedding at 45 degrees to the core axis.					
17.10	18.05	PELITE SILTSTONE, BEDDED. Dark grey green to olive green siltstone with black interbeds. Rock is rhythmically interbedded with bedding disturbed with micro fractures and faults. Bedding generally at 50 to 80 degrees to the core axis.	SL0016	18.00	19.00	1.00	<.01
18.05	19.00	PELITE BLACK SILTSTONE. Very pyritic fine grained black siltstone with 5% pyrite in veins and patches of fine grained disseminations.					
19.00	20.30	PELITE SILTSTONE, BEDDED. Rock as for 17.10 to 18.05 with bedding at 80 degrees to the core axis.	SL0017 SL0018	19.00 20.00	20.00 21.00	1.00 1.00	<.01 1.09
20.30	30.10	VOLCANICLASTIC QUARTZ LITHIC VOLCANICLASTIC, SERICITIC. Medium grained to coarse grained quartz rich volcaniclastic with occasional lithics consisting of black siltstone and pale green siliceous siltstone to 10 mm. Clasts are sub - rounded. The matrix is silica and sericite altered. The rock is oxidised throughout with leached carbonate haematite veins generally at 70 to 80 degrees to the core axis. From 21.00 to 24.00 there are occasional moderately chloritic patches. Bedding at 21.35 is at 45 degrees to the core axis.	SL0019 SL0020 SL0021 SL0022 SL0023 SL0024 SL0025 SL0026 SL0027	21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00	22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.10	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.10	.03 <.01 <.01 <.01 <.01 .03 .04 .03 .05
	30.10	E.O.H.					