974071

HOLE NO. : GP-90-6
SECTION : 2520.00 EAST

PLUTONIC OPERATIONS LIMITED
GOWRIE PARK

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DIAMOND DRILL RECORD

Northing	: 4951.50	Property	: FIRE TOWER
Easting	: 2520.00	State	: Tasmania
Grid	: FIRE TOWER	GMR	: GOG 4440
Direction	: Grid South	E.L. No.	: GOWRIE PARK
Inclination	: -52.0	Project No.	: 706
Elevation	: 9990.00	Date Started	:
Azimuth	: 180.0	Date Completed	:
Mag Azimuth	:	Logged by	: G. MacDONALD
Length (m)	: 30.15	Relogged by	:
Precol. (m)	: 0.70 m	Date Logged	: May '92
BOCO	: <0.70 m	Interpreted	: G. MacDONALD
TFR	: 0.70 m		
Water Table	:	Initialled	:

Drill Type :
Core Size :
Contractor :N Poltock

Dip Tests Method:

Depth	Az	Dip
30.1	180.0	-52.0

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
.00	.70	PRECOLLAR					
.70	6.95	PELITE					
		.70 6.95 INTERBEDDED SILTSTONES, SERICITIC. Interbedded beige green and lesser black siltstones up to 10 mm thick. Rock is fine grained and weak to moderately silica sericite and carbonate altered. The rock is moderately oxidised to 2.35 and contains leached quartz haematite carbonate veins at low angles to the core axis. The rock is more massive from 1.25 to 2.35. The bedded rock is micro fractured and faulted. The rock contains 2% pyrite in veins sub - parallel to the core axis and as disseminations and possibly some disseminated arsenopyrite and contains a major oxidised vein from 4.30 to 4.70 at a low angle to the core axis with 5% pyrite.	SF000Y	.70	1.00	.30	.41
			SF000X	1.00	2.00	1.00	.03
			SF0000	2.00	3.00	1.00	.08
			SF0001	3.00	4.00	1.00	.07
			SF0002	4.00	5.00	1.00	.15
			SF0003	5.00	6.00	1.00	.05
			SF0004	6.00	7.00	1.00	.20
6.95	9.35	PELITE / VOLCANICLASTIC					
		INTERBEDDED SEQUENCE OF SILTSTONES, SERICITIC AND BLACK, AND VOLCANICLASTICS.	SF0005	7.00	8.00	1.00	.31
			SF0006	8.00	9.00	1.00	.23
			SF0007	9.00	10.00	1.00	.19
		6.95 7.05 Medium grained quartz volcaniclastic in a bed sub - parallel to the core axis. Rock is silica sericite and carbonate altered.					
		7.05 7.22 Black siltstone. Fine grained siliceous rock with clay filled fractures and a 2 mm pyrite veins at 20 degrees to the core axis.					
		7.22 7.50 Fine grained sericite altered siltstone with a bed of fine grained quartz rich volcaniclastic at 35 degrees to the core axis. This bed has undergone soft sediment deformation. The rock contains minor oxidised pyrite veins.					
		7.50 7.62 Black siltstone. Fine grained siliceous rock with occasional dark green beds at 35 degrees to the core axis.					
		7.62 7.73 Fine grained volcaniclastic. Rock is fine grained, occasionally medium grained quartz occasional lithic volcaniclastic and is pale brown and sericitized. The lower contact is sharp and at 20 degrees to the core axis. Weak grading suggests an uphole i.e. Northerly facing.					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		7.73 8.00 Black siltstone as above.					
		8.00 8.65 Fine grained volcaniclastic or siltstone. Rock is fine grained with 2% disseminated pyrite.					
		8.65 9.00 Black siltstone with weak bedding at 30 degrees to the core axis. Rock contains 1% pyrite as disseminations and a pink hard mineral in patches / veins from 8.70 to 8.80.					
		9.00 9.35 Fine grained volcaniclastic or siltstone. Pale grey and siliceous in broken core.					
9.35	10.60	VOLCANICLASTIC VOLCANICLASTIC, SERICITIC. Medium grained quartz volcaniclastic, silica sericite and carbonate altered and containing numerous leached haematite quartz veins sub - parallel to the core axis with some manganese staining.	SF0008	10.00	11.00	1.00	.34
10.60	11.10	PELITE BLACK SILTSTONE. Black siltstone in very broken core. Rock contains approximately 5% pyrite in veins and as disseminations.	SF0009	11.00	12.00	1.00	.14
11.10	11.60	VOLCANICLASTIC VOLCANICLASTIC, SERICITIC. As for 9.35 to 10.60.					
11.60	17.20	PELITE INTERBEDDED SILTSTONES, SERICITIC. Predominantly beige green fine grained silica sericite and carbonate altered siltstone with lesser interbedded black siltstones in beds to 10 mm thick. Bedding is generally micro fractured and faulted. Where coherent bedding is at 20 to 30 degrees to the core axis. Rock contains 2% pyrite throughout in clots and cross-cutting quartz carbonate haematite veins at 70 to 80 degrees to the core axis. The lower contact is irregular and sharp.	SF0010 SF0011 SF0012 SF0013 SF0014 SF0015	12.00 13.00 14.00 15.00 16.00 17.00	13.00 14.00 15.00 16.00 17.00 18.00	1.00 1.00 1.00 1.00 1.00 1.00	.16 .45 .55 .09 .41 .16
17.20	17.80	VOLCANICLASTIC VOLCANICLASTIC, SERICITIC. Medium grained quartz volcaniclastic foliated at 25 degrees to the core axis with 1% pyrite in blebs and fine veins.					
17.80	20.80	PELITE BLACK SILTSTONE. Very dark grey siltstone with occasional interbedded paler beds micro fractured and faulted. Where more coherent ie at 17.85 and 18.10 bedding is at 70 degrees to the core axis and 45 degrees to the core axis respectively. Rock is very sulphidic with 5% pyrite throughout, locally 20%.	SF0016 SF0017 SF0018	18.00 19.00 20.00	19.00 20.00 21.00	1.00 1.00 1.00	.22 .19 .10
20.80	23.55	PELITE INTERBEDDED SILTSTONES, SERICITIC. Beige green with lesser black siltstones. Rock is silica sericite and carbonate altered with 1% to 2% pyrite throughout. Lower contact is somewhat gradational.	SF0019 SF0020 SF0021	21.00 22.00 23.00	22.00 23.00 24.00	1.00 1.00 1.00	.46 .81 1.19

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
23.55	24.30	VOLCANICLASTIC QUARTZ LITHIC VOLCANICLASTIC, SERICITIC. Fine grained to medium grained quartz lithic volcaniclastic, silica sericite and carbonate altered. Rock is very sulphidic in patches with 5% pyrite from 23.60 to 23.65 and approximately 1% to 2% throughout. Rock has a gradational lower contact.	SF0022	24.00	25.00	1.00	.37
24.30	25.90	PELITE INTERBEDDED SILTSTONES, SERICITIC. Interbedded beige green and lesser black siltstone. Rock is silica sericite and carbonate altered with 2% pyrite throughout. The lower contact is somewhat gradational.	SF0023	25.00	26.00	1.00	1.24
25.90	27.00	VOLCANICLASTIC VOLCANICLASTIC, SERICITIC. Fine grained to medium grained quartz lithic volcaniclastic. Rock is more fine grained downhole. From 26.75 to 26.85 are three black siltstones beds at 25 degrees to the core axis. Rock contains 2% pyrite throughout.	SF0024	26.00	27.00	1.00	.49
27.00	30.15	PELITE INTERBEDDED SILTSTONES, SERICITIC. As described before, bedding from 50 to 75 degrees to the core axis and 1% pyrite throughout. 30.15 E.O.H.	SF0025 SF0026 SF0027 SF0028	27.00 28.00 29.00 30.00	28.00 29.00 30.00 30.15	1.00 1.00 1.00 .15	2.41 .31 .15 .05