974082

HOLE NO. : GP-90-10 | PLUTONIC OPERATIONS LIMITED | Page: 1
SECTION : 2540.00 EAST | GOWRIE PARK

DIAMOND DRILL RECORD

Northing	: 4960.50	Drill Type :	Property : FIRE TOWER
Easting	: 2540.00	Core Size :	State : Tasmania
Grid	: FIRE TOWER	Contractor :N Poltock	GMR : GOG 4440
Direction	: Grid South		E.L. No. : GOWRIE PARK
Inclination	: -45.0		Project No. : 706
Elevation	: 9992.00		Date Started :
Azimuth	: 180.0		Date Completed:
Mag Azimuth	:		Logged by : G. MacDONALD
Length (m)	: 30.25	Dip Tests Method:	Relogged by :
Precol. (m)	: 0.40 m	Depth Az Dip	Date Logged : May '92
BOCO	: <0.40 m	30.3 180.0 -45.0	Interpreted : G. MacDONALD
TFR	: 0.40 m		
Water Table	:		Initialled :

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
.00	.40	PRECOLLAR					
.40	2.10	PELITE SILTSTONE, INTERBEDDED. Dark grey to grey siltstones, finely laminated to 1.00, more and massive dark grey to 2.10. Soft sediment micro fractures and faults to 1.00. Brecciation and veining below 1.60. Rock contains numerous irregularly oriented fine oxidised veins after pyrite. Some minor chalcopyrite in quartz carbonate haematite veins at 70 degrees to the core axis. Minor fine grained pyrite in fine veinlets. The brecciated rock has a carbonate matrix. Bedding is at 10 to 20 degrees to the core axis in the laminated part.	SJ000Y SJ000X SJ0000	.40 1.00 2.00	1.00 2.00 3.00	.60 1.00 1.00	.19 .39 .01
2.10	4.35	PELITE / VOLCANICLASTIC SILTSTONE, BEIGE GREEN. Beige green to pale brown, fine grained, siliceous siltstone. From 2.10 to 3.00 the rock contains carbonate haematite veining at 40 degrees to the core axis and parallel to the core axis. From 3.00 to 3.70 the rock contains quartz carbonate haematite veins at 70 degrees to the core axis. From 2.10 to 2.90 the rock contains only minor pyrite with 4% pyrite in veins from 2.90 to 3.70. The rock contains lithics at 3.30.	SJ0001 SJ0002	3.00 4.00	4.00 5.00	1.00 1.00	.04 <.01
4.35	13.00	VOLCANICLASTIC QUARTZ LITHIC FIAMME VOLCANICLASTIC, SERICITISED. 4.35 7.45 Silica sericite and carbonate altered, quartz lithic fiamme volcaniclastic. Rock is moderately oxidised. Rock contains manganese staining on fractures. Rock contains minor pyrite except for 10% pyrite from 7.00 to 7.45 in a vein sub - parallel to core axis. Rock contains leached veins at 30 degrees to the core axis. 7.45 8.05 Moderately oxidised volcaniclastic as above but very sulphidic with 10% pyrite in irregular veins and irregular patches with oxidised selvedges. 8.05 8.80 Beige green volcaniclastic as above but now	SJ0003 SJ0004 SJ0005 SJ0006 SJ0007 SJ0008 SJ0009 SJ0010	5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00	6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	<.01 .01 3.27 .51 .58 30.00 21.00 13.15

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		fiamme rich. Rock is strongly foliated at 40 degrees to the core axis. Rock contains 3% galena in veins, diffuse patches and disseminations generally associated with pyrite at 2% and occasionally minor sphalerite. Quartz carbonate haematite veins at 70 degrees to the core axis from 8.70 to 8.80.					
	8.80 11.30	Moderately oxidised volcaniclastic as above. Rock contains 5% pyrite in veins and patches with oxidised selvedges with minor chalcopyrite predominantly from 10.65 to 10.90 associated with a quartz carbonate haematite vein at 30 degrees to the core axis. The rock contains some coarse grained lithics predominantly black siltstones and fiamme.					
	11.30 13.00	Still medium grained quartz rich volcaniclastic with some fiamme and black siltstone clasts. The rock is silica sericite and carbonate altered throughout and contains minor chalcopyrite associated with quartz carbonate haematite veins at 70 to 80 degrees to the core axis. The rock contains 10% pyrite throughout in oxidised clots. This is a high grade intersection and is very pyritic.					
13.00	13.50	BRECCIA Angular breccia, not soft sediment, with fractures healed by carbonate contituting 30% of the rock. 2% galena is coeval with the carbonate. The brecciated rock is a fine grained siliceous olive green tuffaceous siltstone as for 13.50 to 15.50. Some clasts are elongate up to 20 mm. The upper contact is at 20 degrees to the core axis and marked by a quartz vein. The rock is moderately foliated at 40 degrees to the core axis in the upper part and parallel to the core axis in the lower and is probably brecciated in-situ.	SJ0011	13.00	14.00	1.00	.64
13.50	15.50	PELITE / VOLCANICLASTIC SILTSTONE OR FINE GRAINED VOLCANICLASTIC. Green to dark green, fine grained volcaniclastic. Bedding is generally < 10 mm thick but is very micro fractured and faulted. The rock contains numerous quartz carbonate haematite veins at 70 to 80 degrees to the core axis with 0.5% galena throughout in quartz carbonate veins and minor pyrite and trace chalcopyrite. The rock is moderately brecciated from 13.75 to 14.00 with carbonate filling the breccia.	SJ0012 SJ0013	14.00 15.00	15.00 16.00	1.00 1.00	1.28 1.41
15.50	16.35	PELITE BLACK SILTSTONE. Diffuse gradational upper contact. The rock is a black siltstone with carbonate filled irregular fractures. Bedding is disturbed. The lower contact is gradational with intermixing of beds.	SJ0014	16.00	17.00	1.00	2.67
16.35	18.00	PELITE SILTSTONE.	SJ0015	17.00	18.00	1.00	1.41

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
		Green to dark green interbedded siltstones. Bedding is disturbed with micro fractures and faults. Some bedding is perpedicular to other bedding in places. Cross-cutting quartz carbonate haematite veins contain minor galena and very minor chalcopyrite and are cross-cutting at 70 to 80 degrees to the core axis. The rock is moderately brecciated with 2% pyrite in carbonate filling of brecciation.					
		17.15 17.85 As above but strongly brecciated with carbonate filling of brecciation and occasional pyrite in veins.					
		17.85 18.00 Now dark grey siltstone strongly carbonate veined.					
18.00	18.50	VOLCANICLASTIC					
		VOLCANICLASTIC, SERICITISED. Silica sericite and carbonate altered medium grained quartz rich volcaniclastic with minor interbedded green to dark grey siltstone as above. Upper contact is sharp at 50 degrees to the core axis. Rock contains cross-cutting quartz carbonate haematite veins at 70 to 80 degrees to the core axis.	SJ0016	18.00	19.00	1.00	.84
18.50	30.25	PELITE					
		SILTSTONE, INTERBEDDED.	SJ0017	19.00	20.00	1.00	4.59
		18.50 18.85 Interbedded dark green to dark grey fine grained siliceous siltstone with micro fractured and faulted bedding.	SJ0018	20.00	21.00	1.00	7.29
			SJ0019	21.00	22.00	1.00	.54
			SJ0020	22.00	23.00	1.00	.25
		18.85 19.50 Strongly brecciated zone with haematite and manganese staining. Rock is a green siltstone.	SJ0021	23.00	24.00	1.00	1.74
			SJ0022	24.00	25.00	1.00	.34
		19.50 26.35 Green fine grained siliceous siltstone with interbedded black siltstone beds making up 10% of the rock. Bedding is micro fractured and faulted. Rock is generally carbonate altered. Rock contains cross-cutting quartz carbonate haematite veins and only very minor occasional pyrite.	SJ0023	25.00	26.00	1.00	.03
			SJ0024	26.00	27.00	1.00	.79
			SJ0025	27.00	28.00	1.00	.54
			SJ0026	28.00	29.00	1.00	.36
			SJ0027	29.00	30.00	1.00	.14
		26.35 26.55 Volcaniclastic interbed. Rock is medium grained quartz rich silica sericite and carbonate altered volcaniclastic with possible olive green lithics.					
		26.55 28.30 As for 19.50 to 26.35. Bedding is at 25 degrees to the core axis at 27.50 and 40 degrees to the core axis at 27.25.					
		28.30 28.65 Interbedded green and black siltstones as above but with approximately 25% interbedded medium grained quartz rich volcaniclastic. Rock contains 4% pyrite in irregular clots throughout.					
		28.65 30.25 Interbedded green and black siltstones with the black siltstone component decreasing downhole. Rock contains 4% pyrite from 28.65 to 29.30 in irregular clots and veins. Bedding is moderately micro fractured and faulted, at 30 degrees to the core axis at 29.40. The rock contains cross-cutting quartz carbonate haematite veins throughout.					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
	30.25	E.O.H.					