Diamond Core Log-Description

Hole ID: GLR-01 | Project: MERLIN - STH | Tenement: MERLIN - STH
Logged By: SM | Date: 11/10/06

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
2		SOIL/SAND					SANDY SOIL.
13		SAND - PALE YELLOW TO OFF WHITE, VERY FINE GRAINED, SILTY THROUGHOUT, CALCITIC, LOOSE TO SLIGHTLY CONSOLIDATED					
21		SST - YELLOW TO DARK ORANGE, OCC BROWN VERY FINE, SLIGHTLY SILTY, QTZ VEINS MICROFAULTED AT BOTTOM OF UNIT					
42 *		SST - WHITE TO OFF WHITE, FINE GRAINED OCC MICROFAULTED, MOTTLED AT BOTTOM OF UNIT (DARK BROWN)			YELLOW		
50		SST - LT BROWN - YELLOW, SILTY T.O.					
52		MS/SLT - LT - DK BROWN - OCC CHLST.			VN - CHUNKY		(? K)
55		SST - LT YLW - WH - QTZOSE					
57		SLT/MS DK BROWN, RED,					
65		SST - YLW - WH, QTZ, CLAY OF UNKNOWN MIN UCM FINE - FINE GR					(K?)
69 *		SLT/SST LT BROWN TO PINK, OFF WHITE, UCM FINE, UCM SOFT, GREEN MINERAL PRESENT					(K?)
80		SST - YLW - OFF WHITE, FINE, QTZOSE					
82		SLTY MS - BROWN TO DARK BROWN, SILTY THROUGHOUT, UCM SOFT.					
100		SST DARK BROWN - PURPLE, QUARTZ-LITHIC MINOR UCM MAGNETITE, FINE GRAINED.					

Diamond Core Log-Description

Hole ID	GLR02	Project	MCRU, SM	Tenement	
Logged By	SM	Date	10-12-06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SAND					10' SOIL. HI LOAM AND
6		SAND					LSE, LH, VF
12		"					SLTY, BR, VF,
12		"					LH, VF
13		"					PK, VF-F
18		"					YL-LH, VF
22		"					LH - VF
26		SLY SST					BR-PR, VF, SLY
30		SST		QTZ			LH, VF-F, QTZ
79		SST, LH - OFF LH,		YL - OFF RDSH	BRN. VF-		
		TO FINE, SILTY IN PARTS, MUDSTONE LAYERS					
		TOP OF UNIT.					
83		SST, DARK REDDISH BROWN, QUARTZOSE,					
		CONSOLIDATED, MODERATELY HARD,					
95		SST, WHITE TO OFF WHITE, CONSOLIDATED					
		MODERATELY HARD, QUARTZOSE, MINOR					
		MICACEOUS FLECKS.					
96		SST, SILTY I/P, DARK REDDISH BROWN, MINOR					
		LITHICS.					
100		SST, WHITE TO OFF WHITE, CONSOLIDATED					
		MODERATELY HARD, QUARTZOSE, MINOR					
		MICACEOUS FLECKS.					

Diamond Core Log-Description

Hole ID	GLR-03	Project	MERLIN STH	Tenement	MERLIN STH
Logged By	SM	Date	10-12-06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SA/SOIL					SNDY TOPSOIL
8		SAND - VF,					CREAMY YELLOW
9		SST - DK YELLOW - ORANGE, VF-					
		-CRS FLECKS UNIDENTIFIED ROCK LK?					
11		SST - LT LH, CR, VF TALCY.					
15		ST (MS?) DK BROWN - U SOFT.					
21		ST - LT LH - YLW VF - F, SOFT					
23		MS - SLTY, U-SOFT. LT BROWN TO PINK					
37		SST - LT LH - PALE YELLOW - VF - F - CRS					(UNKNOWN (LK?)
		COARSER CHIP. MINOR GREEN ROCK FRAGS					
38		MS - DARK BROWN TO LIGHT BROWN - SILTY/					
		VERY SOFT					
55		SST - DK YELLOW TO ORANGE, REDDISH BROWN					
		VF - F - MOD SORTED/ SOFT					
61		SST - LT LH. GREY COTTESE, FINE GRAINED					
74		SST - LT PK - LT RED, VF, SOFT - MOD SOFT					
		TALC IN PARTS					
75		MS? - DARK REDDISH BROWN, SLTY - SOFT					
80		SST - PINK, VF - TALCY, SOFT, SLTY. MNR					
		GRN MINERAL, CONSOLIDATED CRS GRAINS					
81		MS - DARK BROWN, VERY SOFT.					
89		SST - LT LH - LT PK - VF, CONSL, MNR GRN MINERALS					
96		SST INTERBEDDED WITH MS - MS MORE					
100		SST - LT LH - GREY. FINE, MOD SORT					

Diamond Core Log-Description

Hole ID	GLR-04	**Project**	MERLIN STH	**Tenement**	MERLIN-SR1
Logged By	SM	**Date**	11/10/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SOIL/SAND					SANDY TOPSOIL.
15		SILTY SST - OFF WHITE TO YELLOW, OCCASIONAL LIGHT BROWN					
		SILTY THROUGHOUT. SOFT. VERY FINE. QTZ LITHIC					
20		SST - WHITE TO DARK YELLOW, FINE GRAINED, QTZ LITHIC					
		CONSOLIDATED					
23		SILTY SST - BROWN, VERY SOFT, TALCY.					
49		SST - WHITE TO PALE YELLOW, QTZOSE, FINE GRAINED					(K?) AT BOTTOM
		CONSOLIDATED - MINOR CLAYEY CLASTS (BOU)					
50		SST - PINK TO LIGHT REDDISH BROWN. SILTY					
		THROUGHOUT					
51		SANDY MUDSTONE - GREY TO DARK BROWN, SILTY THROUGHOUT					
		MINOR VERY FINE SANDSTONE.					
55		SST - DARK TO PALE YELLOW, FINE GRAINED - CLASTS OF SST. QTZOSE RICH					
59		MS - LIGHT YELLOW TO PALE BROWN/PINK-WHITE					(K?)
		BRECCIATED? - VERY SOFT					
76		SST - LIGHT - PALE PINK, FINE GRAINED					
82		SST - PALE - LIGHT BROWN, FINE GRAINED					
		SILTY THROUGHOUT.					
99		SILTY SST - OFF WHITE TO LIGHT PINKY BROWN					KIMBERLITE?
		TALCY TEXTURE, VERY SOFT, MUDSTONE OR					
		SILT THROUGHOUT. CLAST OF WHITE CHALKY					
		OR CHERT MATERIAL - LOW SG.					
100		SST - WHITE, PINK - QUARTZOSE.					

Diamond Core Log-Description

Hole ID	GLR-05	Project	MERLIN - STH	Tenement	MERLIN STH
Logged By	SM	Date	12/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
3		SOIL/SAND, OFF WHITE, LOOSE, SOFT					
16		SST - OFF WHITE TO PALE YELLOW, CONSOLIDATED QUARTZOSE, FINE GRAINED					
17		SLTY SST - PINK TO YELLOW, SILTY PARALLEL LAMINATED					
41		SST - OFF WHITE TO YELLOW, MASSIVE, FINE GRAINED, QUARTZOSE					
45		SLTY SST - PALE BROWN, SILTY, VERY FINE. WET.					
50		SST - OFF WHITE, FINE GRAINED, QUARTZOSE MASSIVE					
EOH							

Diamond Core Log-Description

Hole ID	GLR-06	**Project**	MERLIN-STH	**Tenement**	MERLIN - STH
Logged By	SM	**Date**	11/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
4		SOIL - SANDY GRAVELS					
11		SILTY SAND - YELLOW TO LIGHT PINK					
22		SST - LIGHT YELLOW TO ORANGE YELLOW, FINE TO MEDIUM GRAINED, QTZ LITHIC					
25		SLTY SST - LIGHT TO DARK BROWN, SLTY PREDOMINANTLY FINE TO VERY FINE					
28		SST - LIGHT TO MEDIUM YELLOW, PINK GRAINED QTZ OSE					
29		SLT - SILTSTONE, DARK BROWN,					
50		SST: CREAM WHITE TO YELLOW, OCC PINK OR ORANGE, VERY FINE TO FINE, QTZ OSE MINOR CLASTS OF CHERT.					
604							

Diamond Core Log-Description

Hole ID	GLR-07	**Project**	MERLIN SM	**Tenement**	MERLIN SM
Logged By	SM	**Date**	11/10/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SOIL/SAND					
9		SAND: WHITE TO OFF WHITE, PALE YELLOW, FINE LOOSE					
		VERY FINE TO FINE, QUARTZOSE. WELL SORTED.					
11		SAND/MUDSTONE: DARK BROWN TO OFF WHITE, PALE					
		YELLOW, SILTY THROUGHOUT.					
28		SANDSTONE: OFF WHITE, PALE YELLOW TO DARK YELLOW					
		QUARTZOSE, FINE GRAINED. MODERATELY SOFT TO HARD.					
29		SANDSTONE: DARK REDDISH BROWN, SILTY THROUGHOUT					
		FINE GRAINED, MINOR WHITE CLAY CLASTS.					
40		SANDSTONE - PALE YELLOW TO OFF WHITE/GREY					
		GRIT LITHIC.					
41		SANDSTONE/SILT: DARK REDDISH BROWN, SILTY					(K?)
		OCCASIONAL CLASTS.					
47		SANDSTONE: OFF WHITE, FINE GRAINED QUARTZOSE					
50		SANDSTONE/SILT: LIGHT REDDISH BROWN, FINE					(K?)
		GRAINED, SILTY, COMMON CLASTS OF WHITE +					
		GREENISH MINOR.					

Diamond Core Log-Description

Hole ID	GLR-08	Project	MERLIN - STH	Tenement	MERLIN - STH
Logged By	SM	Date	12/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
4		SOIL/SAND: LOOSE, GREY-GREENISH, FINE/FINE GRAINED					
9		SST: WHITE, VERY FINE, VERY HARD					
11		SLTY/SST: DARK REDDISH BROWN TO ORANGEY PINK, SILTY, SOFT.					
32		SST: OFF WHITE TO FINE,		PALE YELLOW, QUARTZOSE,			
34		SILTY/SST: PINK TO LIGHT REDDISH BROWN SILTY PARTICLES,					
50		SST: OFF WHITE TO FINE TO VERY FINE, WELL SORTED. MASSIVE.		PALE YELLOW, QUARTZOSE			

Diamond Core Log-Description

Hole ID	GLR-09	**Project**	MERLIN - SA1	**Tenement**	MERLIN - SA1
Logged By	SM.	**Date**	13/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SOIL/SAND - GREY WHITE TO LIGHT YELLOW-					
7		SAND-GRAVEL - YELLOW TO LIGHT YELLOW, FINE					
		GRAINED- UNCONSOLIDATED, QUARTZOSE					
29		SANDSTONE: GREY WHITE, YELLOW, PALE ORANGE					
		QUARTZOSE, VERY FINE TO FINE GRAINED.					
30		SILTSTONE/MUDSTONE: DARK BROWN, SILTY					
		SOFT,					
47		SANDSTONE: AS ABOVE					
48		SILTY SANDSTONE: PALE BROWN TO PINK, SILTY					
		FINE, SOFT					
50		SANDSTONE: AS ABOVE					

Diamond Core Log-Description

Hole ID	CLR-10	Project	MERLIN STH	Tenement	MERLIN SPL
Logged By	SM	Date	13/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SANDY SOIL; TOP SOIL -		CREAMY GREY, SLIGHT CLAY			
8		SAND: GRAVELLY, CREAMY GREY TO PALE YELLOW					
10		SILTSTONE: LIGHT TO DARK BROWN, SOFT.					
50		SANDSTONE: CHERT VEINED, LIGHT TO DARK YELLOW, QUARTZOSE, MASSIVE, PALE TO VERY PALE					

Diamond Core Log-Description

Hole ID	CLR-11	Project	MERLIN - STH	Tenement	MERLIN-SP1
Logged By	SM	Date	13/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SAND/SOIL: CREAMY	WHITE, LOOSE,	MINOR GRAVELS			
8		SAND-GRAVELLY: CREAMY WHITE TO PALE YELLOW					
		FINE, QUARTZ LITHIC					
13		SILTSTONE: PALE BROWN, SOFT, MINOR WHITE					
		SANDY CASTS					
50		SANDSTONE: OFF WHITE TO PALE YELLOW, OCCASIONAL					
		DARK YELLOW, CONSOLIDATED, QUARTZOSE, FINE TO					
		VERY FINE, MASSIVE, MINOR SILT BOTTOM OF					
		UNIT (43-44m)					

Diamond Core Log-Description

Hole ID: GLR-12 | Project: MERLIN - STH | Tenement: MERLIN - STH
Logged By: SM | Date: 13/12/06

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SOIL/SAND: CREAM, MINOR GRAVEL, LOOSE					
7		SAND: OFF WHITE/CREAM, LOOSE, GENERALLY					
		GENERALLY FINE GRAINED,					
11		SILTY SANDSTONE: LIGHT BROWN TO PINK					
		OCC. ORANGE, FINE, SILTY PARTICULATE.					
50		SANDSTONE: OFF WHITE TO PALE			YELLOW OCC		
		ORANGE AND LIGHT BROWNISH PINK,			VERY FINE		
		TO FINE GRAINED, MASSIVE, QUARTZOSE.					

Diamond Core Log-Description

Hole ID	GLR-13	Project	MERLIN - STA	Tenement	MERLIN - STA
Logged By	SA	Date	13/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
3		SOIL/SAND:	CREAMY WHITE, SANDY, MINOR SILT.				
			FINE TO VERY FINE.				
4		SILTSTONE:	MEDIUM BROWN, SOFT, MINOR				
		SAND					
14		SILTY SANDSTONE:	LIGHT BROWN, VERY FINE				
		SOFT, SILT, THROUGHOUT.					
21		SST: CREAM WHITE TO YELLOW, VERY FINE TO FINE, CONSOLIDATED, QUARTZOSE					
		MASSIVE					
22		SLT: DARK REDDISH BROWN, SOFT					
45		SST AS ABOVE					
46		SLT: AS ABOVE, MINOR SAND (COARSE)					
50		SST: AS ABOVE					

Diamond Core Log-Description

Hole ID: CLR-14 | Project: MERLIN - STA | Tenement: MERLIN STA
Logged By: SM | Date: 13/12/06

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SOIL-SAND: LSE. OFF WHITE; LOOSE, QTZ ROSE, FINE TO VERY FINE					
6		SANDSTONE: OFF WHITE CREAM, FINE TO VERY FINE, CALCSOLIDATED					
9		SANDSTONE: WHITE, VERY FINE, QUARTZOSE					
11		SANDSTONE: YELLOW TO ORANGE, QTZ LITHIC FINE TO MEDIUM GRAINED.					
19		SANDSTONE: LIGHT BROWN TO PINK, FINE GRAINED QTZ LITHIC					
38		SANDSTONE: OFF WHITE, VERY FINE, QUARTZOSE					
50		SANDSTONE: OFF WHITE TO PALE PINK-YELLOW FINE TO MEDIUM GRAINED, QUARTZ LITHIC.					

Diamond Core Log-Description

Hole ID: GLQ-15 | Project: MERLIN - SRI | Tenement: MERLIN - SRI
Logged By: SM | Date: 13/12/06

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SANDY SOIL: OFF WHITE, FINE GRAINED, LOOSE QUARTZ LITHIC.					
3		SANDSTONE: OFF WHITE, FINE TO VERY FINE, CONSOLIDATED QTZ LITHIC					
5		SANDY CLAYSTONE: WHITE TO PALE GREEN, SAND - WHITE, CLAY - GREEN, SAND: ANGULAR. CLAY: SOFT, MINOR LITHICS					
25		SANDSTONE:					
26		SANDY SILTSTONE					
50		SANDSTONE					

Diamond Core Log-Description

Hole ID	CLR-16	**Project**	MERLIN-STH	**Tenement**	MERLIN STH
Logged By	SM	**Date**	13/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SOIL/SAND: OFF WHITE, VERY FINE, QUARTZ LITHIC, LOOSE					
6		SAND: WHITE TO OFF WHITE, VERY FINE, QUARTZOSE LOOSE					
9		SILTSTONE - DARK BROWN TO LIGHT BROWN, SOFT					
12		SANDY SILT: LIGHT BROWN TO PINK, MINOR SAND THROUGHOUT					
27		SANDSTONE, WHITE TO PALE YELLOW, CONSOLIDATED, QUARTZOSE, FINE GRAINED					
28		SANDSTONE: PINK TO PALE BROWN, FINE TO MEDIUM GRAINED	CONSOLIDATED				
67		SANDSTONE: WHITE TO PALE YELLOW, OCC LIGHT BROWN, CONSOLIDATED	QUARTZOSE, FINE TO VERY FINE GRAINED				
68		SILTY SST: LIGHT BROWN TO PINK, FINE TO MEDIUM GRAINED	QUARTZ LITHIC, MINOR SILT				
78		SANDSTONE: WHITE TO YELLOW, AS ABOVE					
82		SILTSTONE: PALE BROWN, SOFT,					
100		SANDSTONE: LIGHT BROWN TO PALE YELLOW	QUARTZ LITHIC, FINE GRAINED, CONSOLIDATED				

Diamond Core Log-Description

Hole ID	GLR-17	**Project**	MERCLIN - STH	**Tenement**	MERCLIN - STH
Logged By	SM	**Date**	13/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SANDY SOIL: ORANGE TO CREAM, LOOSE			FINE		
5		SILTY SAND: BROWN TO CREAMY WHITE, SILTY FRACMENTS					
		VERY FINE, LOOSE, QTZ LITHIC					
10		SANDSTONE: PALE BROWN TO OFF WHITE, QUARTZOSE					
		VERY FINE					
16		SILTSTONE DARK BROWN TO DARK GREY.					
25		SANDSTONE: OFF WHITE TO PALEY BROWN, QTZ LITHIC					
		FLOTO, MEDIUM GRAINED, CONSOLIDATED					
28		SILTSTONE: DARK REDDISH BROWN					
56		SANDSTONE. OFF WHITE, PALE YELLOW TO PALE BROWN					
		QUARTZOSE, FINE GRAINED					
57		SILTY SANDSTONE: DARK REDDISH BROWN, QTZ LITHIC, SILTY T/O					
		VERY FINE TO FINE GRAINED					
81		SANDSTONE: AS ABOVE					
84		SILTY, SANDSTONE. AS ABOVE					
100		SANDSTONE: WHITE TO OFF WHITE MINOR BROWN AT BASE					
		OF UNIT, QUARTZOSE, CONSOLIDATED, FLOTO VERY FINE GRAINED					

Diamond Core Log-Description

Hole ID	CLR-18	**Project**	MERLIN - SA	**Tenement**	MERLIN SA
Logged By	SM	**Date**	14/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SAND/SOIL: PINKY-ORANGE, FINE GRAINED, SOFT IN PARTS					
7		SST: BROWN/WHITE TO PINKISH RED, VERY FINE TO FINE GRAINED					
		LOOSE, QUARTZ LITHIC					
11		SST: WHITE - OFF WHITE, FINE, CONSOLIDATED, MASSIVE, QUARTZOSE					
13		SLT; LT GREENISH BROWN, VERY SOFT, MINOR SAND					
24		SST: OFF WHITE - WHITE OCCASIONAL YELLOW, FINE TO MEDIUM GRAINED					
		VERY HARD					
26		SLT: BROWN TO LIGHT BROWN, SOFT,					
47		SST: OFF WHITE TO WHITE, YELLOW TO DARK YELLOW, QUARTZOSE, HARD					
		MASSIVE					
48		SLT: AS ABOVE					
54		SST: AS ABOVE					
56		SLT: AS ABOVE					
79		SST: AS ABOVE					
81		SLT: BROWN TO PINK, MINOR SAND					
92		SST: OFF WHITE TO WHITE, VERY FINE, QUARTZOSE, MASSIVE					
100		SST: PINK/BROWN - LIGHT REDDISH BROWN, FINE TO MEDIUM GRAINED					
		MASSIVE, QUARTZ LITHIC					

Diamond Core Log-Description

Hole ID	GLR-19	**Project**	MERLIN-SRH	**Tenement**	MERLIN - SRH
Logged By	SM	**Date**	14/12/06		

Depth (m)	Graphic Log	Lithology	Alteration	Mineralisation	Vein	Mag. Susc. (SI units)	Description
1		SANDY SOIL: CRE					
5		SANDSTONE: PALE					
9		SILTSTONE	DARK	SOFT			
11		SST: WHITE TO PALE					FINE TO VERY FINE
		GRAINED					
17		SLT: BROWN TO DARK		BROWN, SOFT, MINOR			
22		SST: OFF WHITE TO		WHITISH CREAM,			
		MASSIVE					
34		SLT: AS	ABOVE				
36		SST: PALE YELLOW TO		DARK YELLOW,			
37		SLTSTN,	LIGHT PINK TO				SILTY THROUGHOUT,
		VERY	FINE TO MEDIUM				
81		SST: OFF	WHITE, PALE				
		QUARTZOSE,	MASSIVE,	FINE TO			
82		SANDY SLT:	DARK BROWN	TO LIGHT			
84		SST:	AS	ABOVE			
85		SILTY SST:	LIGHT				MINOR SILT.
			VERY	FINE			
100		SILTY SANDSTONE:	LIGHT				
		FINE					