BOREHOLE LOG REF: 0720 **DATE:** 25.2.08-26.2.08 LOCATION: Hamble RIG: SHEET 1 **OF** 1 Shell & Auger **BOREHOLE NO:** Α **DIAM:** 200 mm GROUND LEVEL: (M. a.o.d.) **SAMPLES GRADING %** CHANGE OF STRATA **DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL DEPTH LEGEND TYPE DEPTH GRAVEL SAND **FINES** Grass over TOPSOIL 0.7 0.7 Yellow & orange brown clayey to very clayey SAND & GRAVEL (hoggin). Ang. to subrounded fine to medium gravel (occ. coarse) of flint. Sand is fine to coarse. В 0.7 - 3.61.9 2.6 Grey brown, brown with depth silty sandy GRAVEL. Subangular to 3.0 rounded flint gravel, sand is fine to coarse. 3.6 1.0 Brown sandy GRAVEL, fine to coarse gravel gen. med/coarse occ. cobbles of flint. Sand is fine to coarse. В 3.6-6.0 Brown sandy CLAY End of borehole at 6.2 m. 7.0 8.0 9.0 2.74 (4.3.08) (m.b.g.l) STRUCK: 3.6 GROUNDWATER: (m.a.o.d) STANDING: (m.a.o.d) (m.b.g.l)**REMARKS:** Water added to assist drilling 2.6-6.0 m. Installation completed.

D. K. SYMES ASSOCIATES
Mineral Planning & Development Consultants

Tel: 01295-712266

Fax: 01295-712283

BOREHOLE LOG REF: 0720 **DATE: 21.2.08** LOCATION: Hamble **OF** 1 RIG: Shell & Auger BOREHOLE NO: В SHEET 1 **DIAM: 200 mm** GROUND LEVEL: (M. a.o.d.) **GRADING** % **SAMPLES CHANGE OF STRATA DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL (m) (m.a.o.d) DEPTH (m) LEGEND TYPE DEPTH GRAVEL SAND **FINES** Grass over TOPSOIL 0.4 0.4 Firm brown SILT/CLAY 0.7 0.3 Light brown SAND & GRAVEL/ sandy GRAVEL. Sub ang. to rounded fine to coarse gravel (clayey to 1.3 m.) occ/some cobbles of black & brown flint. Sand is fine to coarse. 0.7 - 3.7В 3.7 3.0 Orange brown silty SAND with frequent soft brown sandy clay bands. 5.0 at 5.4 1.7 В 5.5 Firm blue grey slightly sandy CLAY 6.0 6.4 1.0 +End of borehole at 6.4 m. 7.0 8.0 -9.0 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) **GROUNDWATER:** STRUCK: 2.5-3.0 (m.b.g.l) (m.a.o.d)

D. K. SYMES ASSOCIATES

REMARKS:

Tel: 01295-712266 Fax: 01295-712283 Mineral Planning & Development Consultants

Water added to assist drilling 1.3-5.2 m. Caving below 3.7 m. Installation completed.

BOREHOLE LOG REF: 0720 DATE: 18.2.08-19.2.08 LOCATION: Hamble RIG: Shell & Auger **BOREHOLE NO:** CSHEET 1 OF 1 **DIAM: 200 mm** GROUND LEVEL: (M. a.o.d.) **SAMPLES GRADING** % **CHANGE OF STRATA DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL (m) (m.a.o.d) DEPTH (m) LEGEND TYPE DEPTH GRAVEL SAND **FINES** Grass over TOPSOIL 0.6 0.6 Soft & firm orange brown mottled grey SILT/CLAY. **1.0** 1.1 0.5 Light brown slightly silty SAND & GRAVEL. Ang. to rounded fine to coarse gravel of brown, grey & white 1.1-2.9 В flint. Sand is fine to coarse. 1.8 Soft & firm orange grey sandy CLAY 0.6 3.5 Firm and stiff grey blue CLAY, 0.3 +3.8 weathered brown to top. 4.0 End of borehole at 3.8 m. 5.0 6.0 7.0 8.0 9.0 1.37 **GROUNDWATER:** STRUCK: 2.9 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) (m.b.g.l)(m.a.o.d) **REMARKS:** Installation completed.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 DATE: 26.2.08 LOCATION: Hamble RIG: Shell & Auger BOREHOLE NO: D SHEET 1 OF 1 GROUND LEVEL: (M. a.o.d.) **DIAM: 200 mm GRADING** % **SAMPLES CHANGE OF STRATA DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL DEPTH **LEGEND** TYPE DEPTH GRAVEL SAND **FINES** (m)(m)Grass over TOPSOIL 0.8 0.8 Orange brown very sandy CLAY. 1.0 Fine to medium sand, traces of fine gravel. 1.6 0.8 Brown sandy gravelly CLAY/very clayey sand & gravel. Fine to medium flint gravel (hoggin). 3.2 1.6 Brown sandy GRAVEL. Subangular to subrounded fine to coarse gravel, occ./some cobbles - of 3.2-4.9 В white grey & brown flints. Sand is fine to coarse. 1.7 Firm orange brown sandy CLAY with sand lenses. 1.1 +6.0 6.0 End of borehole at 6.0 m. 7.0 8.0 9.0 3.86 **GROUNDWATER:** STRUCK: 3.2 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) (m.a.o.d) (m.b.g.l)**REMARKS:** Water added to assist drilling 3.2-5.5 m. Installation completed.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 DATE: 27.2.08 LOCATION: Hamble SHEET 1 **OF** 1 RIG: Shell & Auger BOREHOLE NO: E **DIAM: 200 mm** GROUND LEVEL: (M. a.o.d.) **SAMPLES CHANGE OF STRATA GRADING** % **DESCRIPTION OF STRATA** DEPTH THICKNESS REDUCED LEVEL **LEGEND** TYPE DEPTH GRAVEL SAND **FINES** (m)Grass over TOPSOIL 0.6 0.6 Soft light brown slightly sandy SILT/CLAY 1.0 1.0 1.6 Brown clayey GRAVEL/gravelly CLAY (poor hoggin), gravel fine to medium. 2.3 0.7 Brown sandy GRAVEL. Fine to coarse flint gravel occ. cobble. Sand generally medium/coarse. 2.3 - 5.3В Suspect hydro carbon contamination at 4.5-4.8 m. Black dry residue on gravel. No oil sheen on water. 3.0 Firm yellow brown slightly sandy **CLAY** 6.0 6.0 0.7 +End of borehole at 6.0 m. 7.0 8.0 9.0 4.72 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) **GROUNDWATER:** STRUCK: 2.4 (m.a.o.d) (m.b.g.l)**REMARKS:** Water added to assist drilling 2.3-5.5 m. Installation completed.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 **DATE:** 19.2.08-20.2.08 LOCATION: Hamble RIG: **BOREHOLE NO:** SHEET 1 **OF** 1 Shell & Auger **DIAM: 200 mm** GROUND LEVEL: (M. a.o.d.) **SAMPLES GRADING** % **CHANGE OF STRATA DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL (m) (m.a.o.d) DEPTH LEGEND TYPE DEPTH GRAVEL **SAND FINES** (m)(m) Grass over TOPSOIL 0.5 0.5 Brown silty SAND & GRAVEL in part gravelly sand. To clayey sand & gravel down. Ang. to rounded fine to medium gravel of flint. Sand is fine to coarse (hoggin). В 0.5 - 3.22.7 Yellow brown clayey SAND with frequent brown sandy clay bands. Sand is fine. 4.0 5.0 В 3.2-8.2 -6.0 7.0 5.0 Firm to stiff yellow brown slightly 0.1 +sandy CLAY End of borehole at 8.3 m. 9.0 3.10 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) **GROUNDWATER:** STRUCK: 3.2 (m.b.g.l)(m.a.o.d) **REMARKS:** Water added to assist drilling 3.0-8.0 m. Installation completed. Tel: 01295-712266

D. K. SYMES ASSOCIATES
Mineral Planning & Development Consultants

Fax: 01295-712283

REF : 0720	BOREHOLE LOG									
DATE: 27.2.08-28.2.08	LOCATION: Hamble									
RIG: Shell & Auger	BOREHOLE NO: G					SHEET 1 OF 1				
DIAM: 200 mm	GROUND LEVEL: (M. a.o.d.)									
DESCRIPTION OF STRATA	CHANGE OF STRATA LEGEND DEPTH THICKNESS REDUCED LEVEL (m) (m) (m.a.o.d)					APLES DEPTH	GRADING % GRAVEL SAND FINES			
Grass over TOPSOIL		(<i>m</i>)	(11)							
Soft light brown very sandy CLAY		0.7 1.0	0.7							
		2.0 2.1	1.4							
Soft brown gravelly CLAY		2.8	0.7							
Brown silty SAND & GRAVEL (hoggin)		-	0.4							
Brown SAND & GRAVEL Ang. to subrounded fine to coarse flint gravel occ. cobble. Sand is fine to coarse generally coarse. Some slight hydro carbon contamination 4.0-5.0 m. depth. Dry black residue on gravel. No oil sheen on water.		4.0			В	3.2-6.5				
Yellow brown SILTY SAND with some brown sandy clay bands		6.5 7.0	3.3							
End of borehole at 7.3 m.		7.3 - 8.0 - 9.0	0.8+							
GROUNDWATER: STRUCK: 6.0 (m.b.g.l) (m.a.o.d) STANDING: 5.89 (4.3.08) (m.b.g.l) (m.a.o.d)										

REMARKS:

Water added to assist drilling 2.6-7.0 m. Installation completed. Possible perched water 2.6 m.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 DATE: 4.3.08 LOCATION: Hamble RIG: Shell & Auger BOREHOLE NO: SHEET 1 **OF** 1 Н **DIAM**: 200 mm GROUND LEVEL: (M. a.o.d.) **SAMPLES CHANGE OF STRATA GRADING** % **DESCRIPTION OF STRATA** DEPTH THICKNESS REDUCED LEVEL (m.) (m.a.o.d) **LEGEND** TYPE DEPTH GRAVEL SAND **FINES** (m)(*m*) Grass over TOPSOIL 0.6 0.6 Firm brown SILT/CLAY 1.0 1.0 1.6 Brown clayey sandy GRAVEL/ gravelly CLAY (hoggin) 2.0 2.0 0.4 Brown sandy GRAVEL. Ang. to subrounded fine to coarse gravel & flint occ. cobbles. Sand generally med/coarse. 2.0-5.7 В 5.7 3.7 Brown silty SAND with brown clay bands 7.0 7.5 1.8+ End of borehole at 7.5 m. 8.0 4.52 (m.a.o.d) STANDING: (5.3.08) (m.b.g.l) GROUNDWATER: STRUCK: 5.7 (m.b.g.l)(m.a.o.d) **REMARKS:** Water added to assist drilling 2.0-7.5 m. Installation completed.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 **DATE:** 28.2.08-29.2.08 LOCATION: Hamble RIG: Shell & Auger **BOREHOLE NO:** SHEET 1 **OF** 1 1 **DIAM**: 200 mm GROUND LEVEL: (M. a.o.d.) **CHANGE OF STRATA SAMPLES GRADING % DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL
(m) (m.a.o.d) DEPTH LEGEND TYPE DEPTH **GRAVEL** SAND **FINES** (m)(m)_____ Grass over TOPSOIL 0.5 0.5 Soft and firm light brown/orange 0.7 0.2 sandy CLAY 1.0 Soft brown clayey SAND/sandy CLAY. Sand is fine. 2.0 2.3 1.6 Red brown very clayey SAND & 2.7 0.4 GRAVEL (hoggin). Fine to medium gravel generally occ. coarse. Sand is fine to coarse. Brown sandy GRAVEL. Sub ang. to subrounded fine to coarse gravel of flint occ. cobble. Sand generally medium/coarse. В 2.7-6.1 Slight hydro carbon contamination as black, dry residue on gravel. No oil sheen on water. 4.0 6.7 Yellow/green silty SAND with sandy 7.0 clay bands. Sand is fine occ. medium. 6.7-9.0 В 8.0 8.8 2.1+ WWW End of borehole at 8.8 m. 9.0 (m.a.o.d) STANDING: 5.65 (4.3.08) (m.b.g.l) **GROUNDWATER:** STRUCK: 6.7 (m.a.o.d) (m.b.g.l)**REMARKS:** Water added to assist drilling 2.7-4.5 m. Installation completed. Tel: 01295-712266

D. K. SYMES ASSOCIATES
Mineral Planning & Development Consultants

Fax: 01295-712283

BOREHOLE LOG REF: 0720 DATE: 20.2.08 LOCATION: Hamble SHEET 1 RIG: Shell & Auger **BOREHOLE NO:** OF 1 J GROUND LEVEL: (M. a.o.d.) **DIAM**: 200 mm **SAMPLES GRADING % CHANGE OF STRATA DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL (m) (m.a.o.d) DEPTH LEGEND TYPE DEPTH GRAVEL SAND **FINES** (m)(*m*) Grass over TOPSOIL (surface gravel) 0.5 0.5 Brown sandy GRAVEL. Subangular to rounded fine to coarse flint gravel, occ. cobble silty top В 0.5 - 2.5(0.5-1.0 m.). Sand is fine to coarse. Suspended hydro carbon contamination 3.0-4.0 m. Dry black В 2.5-5.1 residue on gravel. No oil sheen on water. **5.0** 5.1 4.6 Brown SAND occ. gravel 0.4 5.5 Firm stiff brown CLAY 5.6 0.1 +End of borehole at 5.6 m. 6.0 7.0 8.0 9.0 2.46 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) **GROUNDWATER:** STRUCK: 3.0 (m.b.g.l)(m.a.o.d)

REMARKS:

Installation completed. Water added to assist drilling 1.0-5.5 m.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 DATE: 3.3.08 LOCATION: Hamble SHEET 1 **OF** 1 RIG: Shell & Auger **BOREHOLE NO:** Κ **DIAM: 200 mm** GROUND LEVEL: (M. a.o.d.) **CHANGE OF STRATA SAMPLES GRADING % DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL DEPTH LEGEND TYPE DEPTH GRAVEL SAND **FINES** (m)(m)Grass over TOPSOIL 0.9 0.9 Soft brown sandy CLAY **2.0** 2.1 1.2 Red brown clayey sandy GRAVEL (hoggin) 2.7 0.6 Brown sandy GRAVEL. Subangular to subrounded fine to coarse flint gravel some cobbles. Sand generally medium/coarse. 2.7-6.3 В 3.6 Yellow SAND with yellow brown sandy clay bands 7.0 1.7+ 8.0 8.0 End of borehole at 8.0 m. 9.0 (m.a.o.d) STANDING: (4.3.08) (m.b.g.l) **GROUNDWATER:** STRUCK: 6.3 (m.b.g.l)(m.a.o.d) **REMARKS**: Water added to assist drilling 2.7-8.0 m. Installation completed.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants

BOREHOLE LOG REF: 0720 DATE: 21.2.08 LOCATION: Hamble SHEET 1 **OF** 1 RIG: Shell & Auger **BOREHOLE NO:** L GROUND LEVEL: (M. a.o.d.) **DIAM**: 200 mm **SAMPLES GRADING** % **CHANGE OF STRATA DESCRIPTION OF STRATA** THICKNESS REDUCED LEVEL (m) (m.a.o.d) DEPTH LEGEND TYPE DEPTH GRAVEL SAND FINES (m)(m) Grass over TOPSOIL 0.6 0.6 Very dense silty sandy GRAVEL. Ang. to subrounded fine to coarse gravel of flint occ. cobble. Sand +8.01.4 is fine to coarse. Water draining away immediately. Unable to progress borehole. 2.0 Borehole abandoned at 1.4 m. depth 3.0 4.0 _ 5.0 6.0 7.0 8.0 9.0 (m.a.o.d) STANDING: **GROUNDWATER:** STRUCK: DRY (m.b.g.l)(m.b.g.l) (m.a.o.d) **REMARKS:** Water added to assist drilling 1.0-1.4 m.

D. K. SYMES ASSOCIATES

Mineral Planning & Development Consultants