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Soil Micromorphological Analysis for OVER SITE 9

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Over 04 TD Site 9	black (organic?) layer of possible post hole	2:3	chitonic to single spaced porphyric	crumb	organic rich silty clay	stipple speckled/ grano-striated
[9] (96) <8> a		2:3	single spaced porphyric	channel	Fe & organic rich silty clay	stipple speckled/ grano-striated
(55)		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel	Fe & organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel	Fe & organic rich silty clay	stipple speckled/ grano-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel**	**Fe & organic rich silty clay**	**stipple speckled/ grano-striated**
Over 04 TD Site 9	light brown layer between black and orange layers of possible post hole	2:3	single spaced porphyric	channel	Ca & organic rich silty clay	crystallitic/ stipple speckled
[9] (96) <8> b		2:3	single spaced porphyric	channel	Ca/Fe & organic rich silty clay	crystallitic/ stipple speckled
(110)		2:3	single spaced porphyric	channel	Fe & organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel to crumb	organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel	Ca/Fe & organic rich silty clay	crystallitic/ stipple speckled
		2:3	single spaced porphyric	channel to crumb	Ca & organic rich silty clay	crystallitic/ stipple speckled
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel**	**Ca/Fe & organic rich silty clay**	**crystallitic/ stipple speckled**

Key for database: ■ <2%, ■■ 2-5%, ■■■ 5-10%, ■■■■ 10-20%, ■■■■■ 20-30%, ■■■■■■ 30-40%, ■■■■■■■ 40-50%, ■■■■■■■■ 50-60%, ■■■■■■■■■ 60-70%

Soil Micromorphological Analysis for OVER SITE 9 continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Over 04 TD Site 9 **[9[(98) <9>** **(160)**	orange layer (Fe) from possible post hole (as <8>)	2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano-striated
		2:3	single spaced porphyric	channel	Fe/organic rich silty clay, few Ca	stipple speckled/ grano-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
		2:3	single spaced porphyric	channel to crumb	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
		2:3	single spaced porphyric	channel to crumb	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to crumb**	**Fe/organic rich silty clay; masked by Fe**	**undifferentiated/stipple speckled/grano-striated**
Over 04 TD Site 9 **<12>** **(198)**	Late Bronze Age Buried Soil	2:3	single spaced porphyric	channel	Fe rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel	Fe rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated/stipple speckled
		2:3	single spaced porphyric	channel	Fe rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel to crumb	Fe rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel to crumb	Fe rich silty clay	stipple speckled/ grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel**	**Fe rich silty clay**	**stipple speckled/ grano- & poro-striated**

Soil Micromorphological Analysis for OVER SITE 9 continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Over 04 TD Site 9	upper sample from ditch	2:3	single spaced porphyric	channel	Fe & organic rich silty clay	stipple speckled/ grano- & poro-striated
[11] (107) <14>		2:3	single spaced porphyric	channel to crumb	organic rich silty clay	stipple speckled/ grano- & poro-striated
(150)		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel to crumb	Fe & organic rich silty clay	stipple speckled/ grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to crumb**	**Fe & organic rich silty clay**	**stipple speckled/ grano- & poro-striated**
Over 04 TD Site 9	lower sample from ditch	2:3	single spaced porphyric	channel	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
[11] (108) <15>		2:3	single spaced porphyric	channel to crumb	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
(150)		2:3	single spaced porphyric	channel to crumb	Fe rich silty clay	stipple speckled/ grano- & poro-striated
		2:3	single spaced porphyric	channel	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
		2:3	single spaced porphyric	channel	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
		2:3	single spaced porphyric	channel to crumb	Fe-rich silty clay; masked by Fe	undifferentiated/stipple speckled/grano-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to crumb**	**Fe-rich silty clay; masked by Fe**	**undifferentiated/stipple speckled/grano-striated**

Soil Micromorphological Analysis for WANDLEBURY RINGWORK

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Wan 94 Pr 1/1	buried soil beneath	2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic
(198)	counterscarp bank	2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to subangular blocky**	**Fe rich silty clay/ calcitic**	**crystallitic**
Wan 94 Pr 1/2	buried soil beneath	2:3	single spaced porphyric	subangular blocky	Fe rich silty clay/ calcitic	crystallitic
(264)	counterscarp bank	2:3	single spaced porphyric	subrounded blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	subrounded blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	subrounded blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	crystallitic
Average:	**As above**	**2:3**	**single spaced porphyric**	**subrounded blocky**	**Fe rich silty clay/ calcitic**	**crystallitic**

Soil Micromorphological Analysis for WANDLEBURY RINGWORK continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Wan 94 Pr 1/3 a	buried soil beneath	2:3	single spaced porphyric	channel to subrounded blocky	silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
(90)	counterscarp bank	2:3	single spaced porphyric	channel to subrounded blocky	silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	silty clay/ calcitic	crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	silty clay/ calcitic	crystallitic
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to subrounded blocky**	**silty clay/ calcitic**	**random, grano- & poro-striated/ crystallitic**
Wan 94 Pr 1/3 b	buried soil beneath	2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
(99)	counterscarp bank	2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay	grano-/poro- & random striated
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	random, grano- & poro-striated/ crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay	grano-/poro- & random striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to subrounded blocky**	**Fe rich silty clay/ calcitic**	**random, grano- & poro-striated/ crystallitic**

Soil Micromorphological Analysis for WANDLEBURY RINGWORK continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Wan 95 Pr 2/1	Trench IX - also buried soil beneath counterscarp bank	2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic/ some grano-striation
(198)		2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic/ some grano-striation
		2:3	single spaced porphyric	channel to subangular blocky	Fe rich silty clay/ calcitic	crystallitic/ some grano-striation
		2:3	single spaced porphyric	channel to crumb	Fe rich silty clay/ calcitic	crystallitic/ some grano-striation
		2:3	single spaced porphyric	channel to crumb	Fe rich silty clay/ calcitic	crystallitic/ some grano-striation
		2:3	single spaced porphyric	channel to subrounded blocky	Fe rich silty clay/ calcitic	crystallitic/ some grano-striation
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel to subangular blocky**	**Fe rich silty clay/ calcitic**	**crystallitic/ some grano-striation**
Wan 96 Pr 10/1	buried soil beneath inner rampart	2:3	single spaced porphyric	channel to crumb	masked by organic matter/ calcitic	undifferentiated/ crystallitic
(198)		2:3	single spaced porphyric	crumb	masked by organic matter	undifferentiated
		2:3	single spaced porphyric	crumb to subangular blocky	masked by organic matter/ calcitic	undifferentiated/ crystallitic
		2:3	single spaced porphyric	crumb to subangular blocky	masked by organic matter/ calcitic	undifferentiated/ crystallitic
		2:3	single spaced porphyric	crumb	masked by organic matter	undifferentiated
		2:3	single spaced porphyric	crumb	calcitic/ masked by organic matter	crystallitic/ undifferentiated
Average:	**As above**	**2:3**	**single spaced porphyric**	**crumb**	**masked by organic matter/ calcitic**	**undifferentiated/ crystallitic**

Soil Micromorphological Analysis for WANDLEBURY RINGWORK continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Wan 96 Pr 10/2 a	buried soil beneath inner rampart	2:3	single spaced porphyric	crumb to subangular blocky	calcitic/ masked by organic matter	crystallitic/ undifferentiated
(121)		2:3	single spaced porphyric	channel to subangular blocky	calcitic/ some organic masking	crystallitic
		2:3	single spaced porphyric	channel to subrounded blocky	calcitic/ some organic masking	crystallitic
		2:3	single spaced porphyric	crumb to subangular blocky	calcitic	crystallitic
		2:3	single spaced porphyric	crumb to subangular blocky	calcitic	crystallitic
		2:3	single spaced porphyric	crumb to subangular blocky	calcitic	crystallitic
Average:	**As above**	**2:3**	**single spaced porphyric**	**crumb to subangular blocky**	**calcitic**	**crystallitic**
Wan 96 Pr 10/2 b	buried soil beneath inner rampart	2:3	single spaced porphyric	crumb	calcitic	crystallitic
(154)		2:3	single spaced porphyric	crumb to subangular blocky	calcitic	crystallitic
		2:3	single spaced porphyric	crumb	calcitic	crystallitic
		2:3	single spaced porphyric	crumb	calcitic	crystallitic
		2:3	single spaced porphyric	channel to subangular blocky	calcitic	crystallitic
		2:3	single spaced porphyric	crumb to subangular blocky	calcitic	crystallitic
Average:	**As above**	**2:3**	**single spaced porphyric**	**crumb**	**calcitic**	**crystallitic**

Soil Micromorphological Analysis for MARCHAM-FRILFORD

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Marcham Frilford	orange/brown sand (9245) and	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
2004 <9.29> a	part of sod - just below (9254)	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
(89)		2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**vugh to crumb**	**Fe rich silty clay**	**random, grano- & poro-striated**
Marcham Frilford	orange/brown sand (9245) and	2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
2004 <9.29> b	part of sod - just below (9254)	2:3	single spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
(87)		3:4	closed porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**channel/vugh**	**Fe rich silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for MARCHAM-FRILFORD continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Marcham Frilford	base of ditch - black organic?	3:2	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
2004 <9.31> a	Layer and orange brown	2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
(70)	sand (9245)	2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**vugh**	**Fe rich clay**	**random, grano- & poro-striated**
Marcham Frilford	base of ditch - black organic?	2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
2004 <9.31> b	Layer and orange brown	2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
(28)	sand (9245)	2:3	single spaced porphyric	channel/vugh	Fe rich clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich clay	random, grano- & poro-striated
		2:3	single spaced porphyric	channel/vugh	Fe rich clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**vugh**	**Fe rich clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for MARCHAM-FRILFORD continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Marcham Frilford	below (9255) and above	2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
2004 <9.33> a	(9256) - across Fe/Mn pan - part	2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
(45)	of sod? Lining of separate phase	2:3	single spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
	of ditch construction?	2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
	Both? **Above Fe pan**	2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**vugh**	**Fe rich silty clay**	**random, grano- & poro-striated**
Marcham Frilford	below (9255) and above	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
2004 <9.33> b	(9256) - across Fe/Mn pan - part	2:3	single spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
(25)	of sod? Lining of separate phase	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
	of ditch construction?	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
	Both? **Fe pan**	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**vugh to crumb**	**Fe rich silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for MARCHAM-FRILFORD continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Marcham Frilford **2004 <9.33> c** **(38)**	below (9255) and above (9256) - across Fe/Mn pan - part of sod? Lining of separate phase of ditch construction? Both? **Below Fe pan**	2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh	Fe rich silty clay	random, grano- & poro-striated
		2:3	single spaced porphyric	vugh to crumb	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**2:3**	**single spaced porphyric**	**vugh**	**Fe rich silty clay**	**random, grano- & poro-striated**
Marcham Frilford **2004 <21.5>** **(99)**	across (21004) and (21011) - Fe mottle and dark grey silty to loamy clay, respectively	1:3	double spaced porphyric	channel/vugh	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel/vugh	Fe rich silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel/vugh	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel/vugh	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel/vugh	silty clay	random, grano- & poro-striated
Average:	**As above**	**1:3**	**double spaced porphyric**	**channel/vugh**	**silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for MARCHAM-FRILFORD continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Marcham Frilford **2004 <21.6>** **(96)**	from (21011) - dark grey silty to loamy clay	1:3	double spaced porphyric	channel	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**1:3**	**double spaced porphyric**	**channel**	**silty clay**	**random, grano- & poro-striated**
Marcham Frilford **2004 <21.7> a** **(64)**	across (21015) and (21016) - white fine sandy clay (21015) between dark grey silty organic rich clay (21016) and (21011)	1:3	double spaced porphyric	channel	silty clay masked by calcite	grano- & random striated/ crystallitic
		1:3	double spaced porphyric	channel	silty clay masked by calcite	grano- & random striated/ crystallitic
		1:3	double spaced porphyric	channel	silty clay masked by calcite	grano- & random striated/ crystallitic
		1:3	double spaced porphyric	channel	silty clay masked by calcite	crystallitic
		1:3	double spaced porphyric	channel	silty clay masked by calcite	grano- & random striated/ crystallitic
		1:3	double spaced porphyric	channel	silty clay masked by calcite	grano- & random striated/ crystallitic
Average:	**As above**	**1:3**	**double spaced porphyric**	**channel**	**silty clay masked by calcite**	**grano- & random striated/ crystallitic**

Soil Micromorphological Analysis for MARCHAM-FRILFORD continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
Marcham Frilford **2004 <21.7> b** **(32)**	across (21015) and (21016) - white fine sandy clay (21015) between dark grey silty organic rich clay (21016) and (21011)	1:3	double spaced porphyric	channel	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	organic rich silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	organic rich silty clay	random, grano- & poro-striated
		1:3	double spaced porphyric	channel	organic rich silty clay/ Ca-rich	grano- & random striated/ crystallitic
		1:3	double spaced porphyric	channel	organic rich silty clay/ Ca-rich	grano- & random striated/ crystallitic
Average:	**As above**	**1:3**	**double spaced porphyric**	**channel**	**organic rich silty clay/ Ca-rich**	**grano- & random striated/ crystallitic**

Soil Micromorphological Analysis for SUTTON COMMON

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 107 a	Ap; greyish brown silty clay loam, w/ common fine CaCO3 nodules and exhibiting discontinuous iron mottling	3:4	closed porphyric	channel to subangular blocky	Fe rich silty clay	random, grano- & poro-striated
(144)		3:4	closed porphyric	channel to subangular blocky	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel to subangular blocky**	**Fe rich silty clay**	**random, grano- & poro-striated**
SC2003 107 b	possible A/E horizon; light brownish grey silty clay loam	3:4	closed porphyric	channel to subangular blocky	silty clay	random, grano- & poro-striated
(60)		3:4	closed porphyric	channel to subangular blocky	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel to subangular blocky	silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel to subangular blocky**	**silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 106 a	E horizon; white very fine sand w/ few discontinuous iron mottling	3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
(84)		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**silty clay**	**random, grano- & poro-striated**
SC2003 106 b	possible E/B horizon; pale yellow very fine sand w/ common orange streaks of iron mottling	3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
(108)		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 105	Bt horizon; light yellowish brown clay w/ streaks of organic material	3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
(204)		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe rich silty clay**	**random, grano- & poro-striated**
SC2003 118 a	taken radiating from 1st posthole - nearest to post hole - corner of post hole	3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
(20)		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe rich silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 118 b **(184)**	taken radiating from 1st posthole - nearest to post hole - sediment surrounding post hole	3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**silty clay**	**random, grano- & poro-striated**
SC2003 119 a **(77)**	taken radiating from 1st posthole - furtherest from post hole	3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe rich silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 119 b	taken radiating from 1st posthole - furtherest from post hole	3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
(110)		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe rich silty clay**	**random, grano- & poro-striated**
SC2003 120 a	taken radiating from 2nd posthole - incl p/h, grey stuff and Fe mottling; black sediment from post hole	3:4	closed porphyric	channel	organic rich silty clay	random, grano- & poro-striated
(108)		3:4	closed porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	organic rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	organic rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	organic rich silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**organic rich silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 120 b	taken radiating from 2nd posthole - incl p/h, grey stuff and Fe mottling; grey sediment between post hole and orange-brown sediment	3:4	closed porphyric	channel	silty clay	parallel, grano- & poro-striated
(60)		3:4	closed porphyric	channel	silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	parallel, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**silty clay**	**parallel, grano- & poro-striated**
SC2003 120 c	taken radiating from 2nd posthole - incl p/h, grey stuff and Fe mottling; orange-brown sediment surrounding post hole	3:4	closed porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated
(36)		3:4	closed porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	silty clay	parallel, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
		3:4	closed porphyric	channel	Fe rich silty clay	random, grano- & poro-striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe rich silty clay**	**random, grano- & poro-striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 5001	Ap; dark greyish brown, fine sandy silty clay loam with subangular blocky structure, common discontinuous iron mottling, frequent fine (1-2mm) CaCO3 nodules	3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
(60)		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	poro- & grano-striated, some undifferentiation
		3:4	closed porphyric	channel	Fe and organic rich silty clay	poro- & grano-striated, some undifferentiation
		3:4	closed porphyric	channel	Fe and organic rich silty clay	poro- & grano-striated, some undifferentiation
		3:4	closed porphyric	channel	Fe and organic rich silty clay	poro- & grano-striated, some undifferentiation
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe and organic rich silty clay**	**poro- & grano-striated, some undifferentiation**
SC2003 5002	subsoil material; very fine sand, light grey w/ Fe mottling, continuous orange bands, rare charcoal (2-5mm) and organic material	3:4	closed porphyric	channel	Fe rich silty clay	parallel, grano- & poro-striated
(204)		3:4	closed porphyric	channel	Fe rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe rich silty clay	grano- & poro- striated, mono to parallel striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe rich silty clay**	**grano- & poro- striated, mono to parallel striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 5003	buried A?; very dark greyish brown silty clay loam w/ common organic matter	3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
(112)		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe and organic rich silty clay**	**grano- & poro- striated, mono to parallel striated**
SC2003 5004 a	grey organic layer between buried A and C - transition between layers - possible Bh	3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
(72)		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe and organic rich silty clay	grano- & poro- striated, mono to parallel striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**Fe and organic rich silty clay**	**grano- & poro- striated, mono to parallel striated**

Soil Micromorphological Analysis for SUTTON COMMON continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SC2003 5004 b	C horizon; light grey sandy clay loam w/ common discontinuous Fe mottling	3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
(60)		3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	silty clay	grano- & poro- striated, mono to parallel striated
		3:4	closed porphyric	channel	Fe rich silty clay	grano- & poro- striated, mono to parallel striated
Average:	**As above**	**3:4**	**closed porphyric**	**channel**	**silty clay**	**grano- & poro- striated, mono to parallel striated**

Soil Micromorphological Analysis for SHOVEL DOWN

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SDP04T2 960/2034a (144)	grey layer - gritty - sandy/silty material	2:3	closed porphyric	crumb	organic rich silty clay	stipple speckled
		2:3	closed porphyric	crumb	organic rich silty clay	stipple speckled
		2:3	closed porphyric	crumb	organic rich silty clay	stipple speckled
		2:3	closed porphyric	crumb	organic rich silty clay	stipple speckled
		2:3	closed porphyric	crumb	organic rich silty clay	stipple speckled
		2:3	closed porphyric	crumb	organic rich silty clay	stipple speckled
Average:	**As above**	**2:3**	**closed porphyric**	**crumb**	**organic rich silty clay**	**stipple speckled**
SDP04T2 960/2034b (108)	Orange layer - gravelly - sandy clay; charcoal thruout orange layer; possible post hole w/ large chunks of charcoal (c.3cm)	2:3	closed porphyric	vugh to crumb	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to crumb	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to crumb	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to crumb	Fe rich silty clay	random & grano-striated
		2:3	closed porphyric	vugh to crumb	Fe rich silty clay	random & grano-striated
		2:3	closed porphyric	vugh to crumb	Fe rich silty clay	random & grano-striated
Average:	**As above**	**2:3**	**closed porphyric**	**vugh to crumb**	**Fe rich silty clay**	**random & grano-striated**

Soil Micromorphological Analysis for SHOVEL DOWN continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SDP04T4 5000/6100 <2>a (80)	dark grey layer - silty/peaty like layer	3:4	closed porphyric	vugh to channel	organic rich silty clay	stipple speckled/ random striated
		3:4	closed porphyric	vugh to channel	organic rich silty clay	stipple speckled/ random striated
		3:4	closed porphyric	vugh to channel	organic rich silty clay	stipple speckled/ random striated
		3:4	closed porphyric	vugh to channel	organic rich silty clay	stipple speckled/ random striated
		3:4	closed porphyric	vugh to channel	organic rich silty clay	stipple speckled/ random striated
		3:4	closed porphyric	vugh to channel	organic rich silty clay	stipple speckled/ random striated
Average:	**As above**	**3:4**	**closed porphyric**	**vugh to channel**	**organic rich silty clay**	**stipple speckled/ random striated**
SDP04T4 5000/6100 <2>b (110)	loamy clay - fill of possible feature; cut is marked by Fe pan	2:3	closed porphyric	vugh	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to channel	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to channel	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to channel	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to channel	Fe rich silty clay	stipple speckled/ random striated
		2:3	closed porphyric	vugh to channel	Fe rich silty clay	stipple speckled/ random striated
Average:	**As above**	**2:3**	**closed porphyric**	**vugh to channel**	**Fe rich silty clay**	**stipple speckled/ random striated**

Soil Micromorphological Analysis for SHOVEL DOWN continued…

Micromorphology Database		**Groundmass**				
Sample Number (# of squares)	**Context**	***c/f* ratio (20µm)**	***c/f* related distribution**	**Microstructure**	**Nature of fine material**	***b*-fabric**
SDP04T4 5000/6280 (3) <3>a	taken across peaty/silty layer between two orange-brown layers - mineral rich layer	3:4	closed porphyric	vugh to channel	Fe rich silty clay	random & grano-striated
		3:4	closed porphyric	vugh to channel	Fe rich silty clay	random & grano-striated
(65)		3:4	closed porphyric	vugh to channel	Fe rich silty clay	random & grano-striated
		3:4	closed porphyric	vugh to channel	Fe rich silty clay	random & grano-striated
		3:4	closed porphyric	vugh to channel	Fe rich silty clay	random & grano-striated
		3:4	closed porphyric	vugh to channel	Fe rich silty clay	random & grano-striated
Average:	**taken across peaty/silty**	**3:4**	**closed porphyric**	**vugh to channel**	**Fe rich silty clay**	**random & grano-striated**
SDP04T4 5000/6280 (3) <3>b	taken across peaty/silty layer between two orange-brown layers - peaty? Layer/ Fe-organo-clay rich layer?	2:3	single spaced porphyric	channel to vugh	organic rich silty clay	random & grano-striated
		2:3	single spaced porphyric	channel to vugh	Fe & organic rich silty clay	random & grano-striated
(79)		2:3	single spaced porphyric	channel to vugh	Fe & organic rich silty clay	random & grano-striated
		2:3	single spaced porphyric	channel to vugh	organic rich silty clay	random & grano-striated
		2:3	single spaced porphyric	channel to vugh	organic rich silty clay	random & grano-striated
		2:3	single spaced porphyric	channel to vugh	organic rich silty clay	random & grano-striated
Average:	**taken across peaty/silty**	**2:3**	**single spaced porphyric**	**channel to vugh**	**Fe & organic rich silty clay**	**random & grano-striated**

Over cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Over 04 TD Site 9 [9] (96) <8> a (55)	20	vughs/channels	20	400	27	0	0	10	0	0
		channels	20	350	15	0	0	7	0	0
		channels/vughs	20	480	18	0	0	4	0	0
		channels	20	400	19	0	0	5	0	0
		channels/vughs	20	400	20	0	0	8	0	0
		channels	20	340	15	0	0	8	0	0
Average:	**20**	**channels**	**20**	**395**	**1045**	**0**	**0**	**385**	**0**	**0**
Over 04 TD Site 9 [9] (96) <8> b (110)	25	channels	20	310	17	0	0	5	0	0
		channels	20	250	16	0	0	5	0	0
		channels	20	650	17	0	0	6	0	0
		channels/vughs	20	400	20	0	0	8	0	0
		channels	20	600	17	0	0	4	0	0
		channels/vughs	20	300	36	0	0	10	0	0
Average:	**25**	**channels**	**20**	**418**	**2255**	**0**	**0**	**697**	**0**	**0**

Over cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Over 04 TD Site 9 [9[(98) <9> (160)	37	channels/vughs	20	250	26	0	0	7	0	0
		channels/vughs	20	500	26	0	0	9	0	0
		channels	20	600	20	0	0	10	0	0
		channels	20	480	11	0	0	1	0	0
		channels/vughs	20	150	12	0	0	7	0	0
		channels/vughs	20	420	12	0	0	0	0	0
Average:	**37**	**channels/vughs**	**20**	**400**	**2853**	**0**	**0**	**907**	**0**	**0**
Over 04 TD Site 9 <12> (198)	15	channels	20	880	10	0	0	0	0	0
		channels	20	170	10	0	0	4	0	0
		channels	20	350	7	0	0	5	0	0
		channels	20	340	12	0	0	5	0	1
		channels/vughs	20	450	12	0	0	0	0	0
		channels/vughs	20	290	10	0	0	0	0	0
Average:	**15**	**channels**	**20**	**413**	**2013**	**0**	**0**	**462**	**0**	**33**

Over cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Over 04 TD Site 9 [11] (107) <14> (150)	23	channels	20	500	10	0	0	5	0	0
		channels/vughs	20	200	9	0	0	2	0	0
		channels/vughs	20	860	19	0	0	5	0	0
		channels/vughs	20	500	18	0	0	3	0	0
		channels/vughs	20	200	20	0	0	7	0	0
		channels/vughs	20	450	10	0	0	6	0	0
Average:	**23**	**channels/vughs**	**20**	**452**	**2150**	**0**	**0**	**700**	**0**	**0**
Over 04 TD Site 9 [11] (108) <15> (150)	14	channels	20	260	14	0	0	2	0	0
		channels/vughs	20	1100	10	0	0	8	0	0
		channels/vughs	20	240	12	0	0	0	0	0
		channels	20	400	18	0	0	7	0	0
		channels	20	650	20	0	0	4	0	0
		channels/vughs	20	300	17	0	0	6	0	0
Average:	**14**	**channels/vughs**	**20**	**492**	**2275**	**0**	**0**	**675**	**0**	**0**

Wan cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Wan 94 Pr 1/1 (198)	20	channels	20	240	15	0	0	2	0	0
		channels	20	210	25	0	0	5	0	0
		channels	20	220	22	0	0	8	0	0
		channels	20	650	21	0	0	10	0	0
		channels	20	320	20	0	0	4	0	0
		channels	20	210	20	0	0	9	0	0
Average:	**20**	**channels**	**20**	**308**	**4059**	**0**	**0**	**1254**	**0**	**0**
Wan 94 Pr 1/2 (264)	35	channels	20	160	22	0	0	10	0	0
		channels	20	180	28	0	0	8	0	0
		channels	20	1840	20	0	0	5	0	0
		channels	20	170	20	0	0	5	0	0
		channels	20	320	30	0	0	7	0	0
		channels	20	350	20	0	0	6	0	0
Average:	**35**	**channels**	**20**	**503**	**6160**	**0**	**0**	**1804**	**0**	**0**

Wan cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Wan 94 Pr 1/3 a (90)	25	channels	20	350	28	0	0	11	0	0
		channels	20	970	33	0	0	11	0	0
		channels	20	950	30	0	0	7	0	0
		channels	20	270	28	0	0	7	0	0
		channels	20	310	27	0	0	10	0	0
		channels	20	710	36	0	0	9	0	0
Average:	**25**	**channels**	**20**	**593**	**2730**	**0**	**0**	**825**	**0**	**0**
Wan 94 Pr 1/3 b (99)	25	channels	20	570	38	0	0	10	0	0
		channels	20	200	22	0	0	10	0	0
		channels	20	120	20	0	0	13	0	0
		channels	20	110	16	0	0	5	0	0
		channels	20	400	28	0	0	7	0	0
		channels	20	210	25	0	0	11	0	0
Average:	**25**	**channels**	**20**	**268**	**2459**	**0**	**0**	**924**	**0**	**0**

Wan cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Wan 95 Pr 2/1 (198)	35	channels	20	480	22	0	0	11	0	0
		channels	20	450	15	0	0	5	0	0
		channels	20	220	17	0	0	6	0	0
		channels/vughs	20	150	28	0	0	10	0	0
		channels/vughs	20	140	18	0	0	8	0	0
		channels	20	150	20	0	0	9	0	0
Average:	**35**	**channels**	**20**	**265**	**3960**	**0**	**0**	**1617**	**0**	**0**
Wan 96 Pr 10/1 (198)	30	channels/vughs	20	250	14	0	0	3	0	0
		vughs	20	350	14	0	0	4	0	0
		channels/vughs	20	120	15	0	0	0	0	0
		channels/vughs	20	140	12	0	0	0	0	0
		vughs	20	200	16	0	0	4	0	0
		vughs	20	350	15	0	0	5	0	0
Average:	**30**	**vughs**	**20**	**235**	**2838**	**0**	**0**	**528**	**0**	**0**

Wan cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Wan 96 Pr 10/2 a (121)	20	channels/vughs	20	220	10	0	0	6	0	0
		channels	20	200	9	0	0	3	0	0
		channels	20	160	7	0	0	2	0	0
		channels/vughs	20	550	8	0	0	0	0	0
		channels/vughs	20	150	10	0	0	5	0	0
		channels/vughs	20	220	14	0	0	4	0	0
Average:	**20**	**channels/vughs**	**20**	**250**	**1170**	**0**	**0**	**403**	**0**	**0**
Wan 96 Pr 10/2 b (154)	40	vughs	20	150	11	0	0	0	0	0
		channels/vughs	20	450	12	0	0	6	0	0
		vughs	20	250	12	0	0	4	0	0
		vughs	20	260	10	0	0	4	0	0
		channels	20	200	9	0	0	3	0	0
		channels/vughs	20	300	10	0	0	4	0	0
Average:	**40**	**vughs**	**20**	**268**	**1643**	**0**	**0**	**539**	**0**	**0**

MF cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Marcham Frilford 2004 <9.29> a (89)	15	vughs	20	250	16	0	0	6	0	0
		vughs	20	230	20	0	0	5	0	0
		vughs	20	200	18	0	0	5	0	0
		vughs	20	220	16	0	0	6	0	0
		vughs	20	200	20	0	0	8	0	0
		vughs	20	220	17	0	0	5	0	0
Average:	**15**	**vughs**	**20**	**220**	**1587**	**0**	**0**	**519**	**0**	**0**
Marcham Frilford 2004 <9.29> b (87)	20	vughs	20	500	20	0	0	6	0	0
		channels/vughs	20	420	25	0	0	10	0	0
		channels/vughs	20	500	25	0	0	8	0	0
		vughs	20	320	20	0	0	7	0	0
		channels/vughs	20	200	22	0	0	8	0	0
		channels/vughs	20	200	17	0	0	3	0	0
Average:	**20**	**channels/vughs**	**20**	**357**	**1871**	**0**	**0**	**609**	**0**	**0**

MF cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Marcham Frilford 2004 <9.31> a (70)	10	vughs	20	220	33	0	0	10	0	0
		vughs	20	100	35	0	0	5	0	0
		vughs	20	370	30	0	0	14	0	0
		vughs	20	500	27	0	0	8	0	0
		vughs	20	230	35	0	0	10	0	0
		vughs	20	300	38	0	0	4	0	0
Average:	**10**	**vughs**	**20**	**287**	**2310**	**0**	**0**	**595**	**0**	**0**
Marcham Frilford 2004 <9.31> b (28)	15	vughs	20	600	30	0	0	13	0	0
		vughs	20	150	32	0	0	8	0	0
		channels/vughs	20	200	35	0	0	12	0	0
		vughs	20	250	30	0	0	16	0	0
		vughs	20	130	40	0	0	8	0	0
		channels/vughs	20	210	32	0	0	10	0	0
Average:	**15**	**vughs**	**20**	**257**	**929**	**0**	**0**	**313**	**0**	**0**

MF cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Marcham Frilford 2004 <9.33> a (45)	10	vughs	20	150	10	0	0	5	0	0
		vughs	20	200	20	0	0	7	0	0
		channels/vughs	20	170	10	0	0	5	0	0
		vughs	20	250	20	0	0	9	0	0
		vughs	20	100	10	0	0	8	0	0
		vughs	20	300	20	0	0	8	0	0
Average:	**10**	**vughs**	**20**	**195**	**675**	**0**	**0**	**315**	**0**	**0**
Marcham Frilford 2004 <9.33> b (25)	20	vughs	20	500	15	0	0	7	0	0
		channels/vughs	20	800	20	0	0	10	0	0
		vughs	20	300	17	0	0	6	0	0
		vughs	20	400	20	0	0	7	0	0
		vughs	20	1100	20	0	0	8	0	0
		vughs	20	600	20	0	0	10	0	0
Average:	**20**	**vughs**	**20**	**617**	**467**	**0**	**0**	**200**	**0**	**0**

MF cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Marcham Frilford 2004 <9.33> c (38)	15	vughs	20	370	20	0	0	9	0	0
		vughs	20	250	19	0	0	9	0	0
		vughs	20	300	22	0	0	11	0	0
		vughs	20	150	16	0	0	8	0	0
		vughs	20	180	17	0	0	6	0	0
		vughs	20	140	13	0	0	7	0	0
Average:	**15**	**vughs**	**20**	**232**	**678**	**0**	**0**	**317**	**0**	**0**
Marcham Frilford 2004 <21.5> (99)	15	channels/vughs	20	2000	10	0	0	6	0	0
		channels/vughs	20	1200	10	0	0	7	0	0
		channels/vughs	20	1000	11	0	0	6	0	0
		channels/vughs	20	1500	11	0	0	7	0	0
		channels/vughs	20	1400	8	0	0	4	0	0
		channels/vughs	20	1900	3	0	0	9	0	0
Average:	**15**	**channels/vughs**	**20**	**1500**	**875**	**0**	**0**	**644**	**0**	**0**

MF cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Marcham Frilford 2004 <21.6> (96)	8	channels	20	800	2	0	0	5	0	0
		channels	20	300	3	0	0	7	0	0
		channels	20	400	8	0	0	10	0	0
		channels	20	330	10	0	0	10	0	0
		channels	20	450	11	0	0	0	0	0
		channels	20	150	9	0	0	3	0	0
Average:	**8**	**channels**	**20**	**405**	**688**	**0**	**0**	**560**	**0**	**0**
Marcham Frilford 2004 <21.7> a (64)	10	channels	20	40	6	0	0	0	0	0
		channels	20	100	9	0	0	0	0	0
		channels	20	40	5	0	0	0	0	0
		channels	20	300	9	0	0	2	0	0
		channels	20	40	3	0	0	0	0	0
		channels	20	190	5	0	0	2	0	0
Average:	**10**	**channels**	**20**	**118**	**395**	**0**	**0**	**43**	**0**	**0**

MF cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
Marcham Frilford 2004 <21.7> b (32)	10	channels	20	300	10	0	0	0	0	0
		channels	20	250	4	0	0	0	0	0
		channels	20	60	4	0	0	3	0	0
		channels	20	30	4	0	0	0	0	0
		channels	20	120	8	0	0	0	0	0
		channels	20	110	4	0	0	2	0	0
Average:	**10**	**channels**	**20**	**145**	**181**	**0**	**0**	**27**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 107 a	10	channels	20	160	17	0	0	0	0	0
(144)		channels	20	200	12	0	0	0	0	0
		channels	20	1600	18	0	0	2	0	0
		channels	20	210	25	0	0	5	0	0
		channels	20	400	25	0	0	4	0	1
		channels	20	200	20	0	0	7	0	0
Average:	**10**	**channels**	**20**	**462**	**2808**	**0**	**0**	**432**	**0**	**24**
SC2003 107 b	10	channels	20	50	12	0	0	2	0	0
(60)		channels	20	500	9	0	0	4	0	0
		channels	20	110	9	0	0	0	0	0
		channels	20	150	7	0	0	4	0	0
		channels	20	100	8	0	0	2	0	0
		channels	20	80	7	0	0	3	0	0
Average:	**10**	**channels**	**20**	**165**	**520**	**0**	**0**	**150**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 106 a	12	channels	20	80	10	0	0	5	0	0
(84)		channels	20	200	10	0	0	4	0	0
		channels	20	600	10	0	0	7	0	0
		channels	20	270	9	0	0	6	0	0
		channels	20	450	18	0	0	4	0	0
		channels	20	160	10	0	0	5	0	0
Average:	**12**	**channels**	**20**	**293**	**938**	**0**	**0**	**434**	**0**	**0**
SC2003 106 b	10	channels	20	230	12	0	0	5	0	0
(108)		channels	20	70	7	0	0	5	0	0
		channels	20	220	10	0	0	6	0	0
		channels	20	400	6	0	0	3	0	0
		channels	20	150	9	0	0	4	0	0
		channels	20	100	6	0	0	3	0	0
Average:	**10**	**channels**	**20**	**195**	**900**	**0**	**0**	**468**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 105	15	channels	20	400	12	0	0	6	0	0
(204)		channels	20	900	7	0	0	4	0	0
		channels	20	250	10	0	0	4	0	0
		channels	20	1000	0	0	0	14	0	0
		channels	20	1400	2	0	0	13	0	0
		channels	20	400	4	0	0	10	0	0
Average:	**15**	**channels**	**20**	**725**	**1190**	**0**	**0**	**1734**	**0**	**0**
SC2003 118 a	7	channels	20	400	17	0	0	7	0	3
(20)		channels	20	500	10	0	0	7	0	0
		channels	20	1100	8	0	0	10	0	3
		channels	20	800	15	0	0	12		5
		channels	20	750	9	0	0	4	0	2
		channels	20	450	18	0	0	9	0	2
Average:	**7**	**channels**	**20**	**667**	**257**	**0**	**0**	**163**	**0**	**50**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 118 b	12	channels	20	150	10	0	0	9	0	0
(184)		channels	20	350	7	0	0	5	0	0
		channels	20	500	7	0	0	5	0	0
		channels	20	250	6	0	0	10	0	0
		channels	20	100	7	0	0	3	0	0
		channels	20	80	4	0	0	0	0	0
Average:	**12**	**channels**	**20**	**238**	**1257**	**0**	**0**	**981**	**0**	**0**
SC2003 119 a	15	channels	20	240	8	0	0	3	0	0
(77)		channels	20	200	20	0	0	6	0	0
		channels	20	800	10	0	0	4	0	0
		channels	20	1000	9	0	0	4	0	0
		channels	20	300	17	0	0	4	0	0
		channels	20	1100	10	0	0	9	0	0
Average:	**15**	**channels**	**20**	**607**	**950**	**0**	**0**	**385**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 119 b	20	channels	20	180	12	0	0	3	0	0
(110)		channels	20	450	17	0	0	5	0	0
		channels	20	500	17	0	0	6	0	0
		channels	20	150	20	0	0	5	0	0
		channels	20	500	18	0	0	3	0	0
		channels	20	350	20	0	0	8	0	0
Average:	**20**	**channels**	**20**	**355**	**1907**	**0**	**0**	**550**	**0**	**0**
SC2003 120 a	12	channels	20	600	9	0	0	3	0	0
(108)		channels	20	250	12	0	0	4	0	0
		channels	20	300	8	0	0	3	0	0
		channels	20	50	7	0	0	3	0	0
		channels	20	550	10	0	0	4	0	0
		channels	20	460	11	0	0	3	0	0
Average:	**12**	**channels**	**20**	**368**	**1026**	**0**	**0**	**360**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 120 b	22	channels	20	150	25	0	0	3	0	0
(60)		channels	20	300	10	0	0	0	0	0
		channels	20	80	15	0	0	3	0	0
		channels	20	150	10	0	0	4	0	0
		channels	20	100	12	0	0	4	0	0
		channels	20	110	12	0	0	6	0	0
Average:	**22**	**channels**	**20**	**148**	**840**	**0**	**0**	**200**	**0**	**0**
SC2003 120 c	17	channels	20	450	20	0	0	5	0	0
(36)		channels	20	300	17	0	0	5	0	0
		channels	20	200	18	0	0	4	0	0
		channels	20	500	10	0	0	6	0	0
		channels	20	450	16	0	0	4	0	0
		channels	20	800	20	0	0	5	0	0
Average:	**17**	**channels**	**20**	**450**	**606**	**0**	**0**	**174**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 5001	30	channels	20	450	20	0	0	4	0	0
(60)		channels	20	650	20	0	0	7	0	0
		channels	20	150	18	0	0	0	0	0
		channels	20	460	25	0	0	5	0	0
		channels	20	450	20	0	0	7	0	0
		channels	20	600	28	0	0	6	0	0
Average:	**30**	**channels**	**20**	**460**	**1310**	**0**	**0**	**290**	**0**	**0**
SC2003 5002	30	channels	20	700	14	0	0	4	0	0
(204)		channels	20	1000	12	0	0	5	0	0
		channels	20	900	7	0	0	4	0	0
		channels	20	400	10	0	0	0	0	0
		channels	20	200	12	0	0	0	0	0
		channels	20	350	17	0	0	5	0	0
Average:	**30**	**channels**	**20**	**592**	**2448**	**0**	**0**	**612**	**0**	**0**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 5003 (112)	25	channels	20	170	8	0	0	0	0	0
		channels	20	500	6	0	0	3	0	0
		channels	20	300	8	0	0	6	0	0
		channels	20	400	10	0	0	7	0	0
		channels	20	200	7	0	0	0	0	0
		channels	20	600	9	0	0	3	0	0
Average:	**25**	**channels**	**20**	**362**	**896**	**0**	**0**	**355**	**0**	**0**
SC2003 5004 a (72)	15	channels	20	120	7	0	0	3	0	0
		channels	20	110	8	0	0	0	0	0
		channels	20	550	9	0	0	5	0	0
		channels	20	300	10	0	0	6	0	0
		channels	20	250	7	0	0	4	0	1
		channels	20	300	12	0	0	4	0	0
Average:	**15**	**channels**	**20**	**272**	**636**	**0**	**0**	**264**	**0**	**12**

SC cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SC2003 5004 b (60)	20	channels	20	100	3	0	0	1	0	0
		channels	20	70	5	0	0	4	0	0
		channels	20	80	9	0	0	5	0	0
		channels	20	250	9	0	0	8	0	0
		channels	20	150	4	0	0	4	0	0
		channels	20	200	5	0	2	8	0	0
Average:	**20**	**channels**	**20**	**142**	**350**	**0**	**20**	**300**	**0**	**0**

SDP cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SDP04T2 960/2034a (144)	25	vughs	20	40	14	0	0	0	0	0
		vughs	20	40	8	0	0	0	0	0
		vughs	20	50	15	0	0	0	0	0
		vughs	20	80	21	0	0	1	0	0
		vughs	20	30	6	0	0	0	0	0
		vughs	20	50	8	0	0	0	0	0
Average:	**25**	**vughs**	**20**	**48**	**1728**	**0**	**0**	**24**	**0**	**0**
SDP04T2 960/2034b (108)	10	vughs	20	420	12	0	0	4	0	0
		vughs	20	400	23	0	0	0	0	0
		vughs	20	100	8	0	0	2	0	0
		vughs	20	550	17	0	0	4	0	0
		vughs	20	50	16	0	0	0	0	0
		vughs	20	200	15	0	0	5	0	0
Average:	**10**	**vughs**	**20**	**287**	**1638**	**0**	**0**	**270**	**0**	**0**

SDP cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SDP04T4 5000/6100 <2>a (80)	5	vughs/channels	20	30	5	0	0	0	0	0
		vughs/channels	20	100	12	0	0	0	0	0
		vughs/channels	20	30	6	0	0	0	0	0
		vughs/channels	20	40	6	0	0	0	0	0
		vughs/channels	20	40	8	0	0	0	0	0
		vughs/channels	20	50	4	0	0	0	0	0
Average:	**5**	**vughs/channels**	**20**	**48**	**547**	**0**	**0**	**0**	**0**	**0**
SDP04T4 5000/6100 <2>b (110)	15	vughs	20	50	15	0	0	0	0	0
		vughs/channels	20	40	9	0	0	0	0	0
		vughs/channels	20	40	7	0	0	0	0	0
		vughs/channels	20	40	5	0	0	0	0	0
		vughs/channels	20	40	5	0	0	0	0	0
		vughs/channels	20	50	12	0	0	0	0	0
Average:	**15**	**vughs/channels**	**20**	**43**	**972**	**0**	**0**	**0**	**0**	**0**

SDP cont…	Pore Space		Iron Deposition							
Sample Number (# of squares)	Total % of sample	Dominant type	Fe Nodules							
			Size Range (µm)		Shape					
			minimum	maximum	Typic	Concentric	Aggregate	Mammillate	Digitate	Disjointed
SDP04T4 5000/6280 (3) <3>a (65)	5	vughs/channels	20	120	39	0	0	3	0	0
		vughs/channels	20	800	34	0	0	5	0	0
		vughs/channels	20	150	27	0	0	4	0	0
		vughs/channels	20	400	20	0	0	5	0	0
		vughs/channels	20	350	20	0	0	5	0	0
		vughs/channels	20	550	20	0	0	8	0	0
Average:	**5**	**vughs/channels**	**20**	**395**	**1733**	**0**	**0**	**325**	**0**	**0**
SDP04T4 5000/6280 (3) <3>b (79)	8	channels/vughs	20	50	9	0	0	0	0	0
		channels/vughs	20	100	20	0	0	5	0	0
		channels/vughs	20	50	17	0	0	3	0	0
		channels/vughs	20	800	8	0	0	4	0	0
		channels/vughs	20	60	8	0	0	3	0	0
		channels/vughs	20	40	8	0	0	0	0	0
Average:	**8**	**channels/vughs**	**20**	**183**	**922**	**0**	**0**	**198**	**0**	**0**

Over cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Over 04 TD Site 9 [9] (96) <8> a (55)	20	15	2	0	25	12	6	0	14	0	12
	12	10	0	0	14	8		0	14	0	6
	18	4	0	0	18	4		1	12	0	5
	15	9	0	0	19	5		0	12	0	8
	15	10	3	0	20	8		1	15	0	9
	5	20	3	0	10	18		1	9	4	5
Average:	**779**	**623**	**73**	**0**	**972**	**504**	**6**	**28**	**697**	**37**	**413**
Over 04 TD Site 9 [9] (96) <8> b (110)	5	17	0	0	15	10	8	2	8	3	5
	7	14	0	0	14	7		0	6	1	4
	9	12	2	0	14	9		0	11	1	6
	8	17	3	0	22	6		1	11	4	6
	2	16	3	0	8	13		0	8	3	5
	15	26	5	0	30	16		0	10	4	8
Average:	**843**	**1870**	**238**	**0**	**1888**	**1118**	**8**	**55**	**990**	**293**	**623**

Over cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Over 04 TD Site 9	1	30	2	0	10	23	40	0	10	3	7
[9[(98) <9>	5	27	3	0	15	20		1	12	5	9
(160)	3	24	3	0	3	27		1	14	5	8
	10	2	0	0	12	0		2	53	15	17
	1	16	2	0	1	16		0	48	8	14
	12	0	0	0	0	12		3	44	9	12
Average:	**853**	**2640**	**267**	**0**	**1093**	**2613**	**40**	**187**	**4827**	**1200**	**1787**
Over 04 TD Site 9	4	6	0	0	8	2	5	7	12	3	4
<12>	3	11	0	0	11	3		2	6	3	3
(198)	1	11	0	0	7	5		5	4	3	3
	9	7	2	0	14	4		4	14	2	6
	4	8	0	0	6	6		8	12	4	6
	8	2	0	0	10	0		20	8	8	5
Average:	**957**	**1485**	**66**	**0**	**1848**	**660**	**5**	**1518**	**1848**	**759**	**891**

Over cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Over 04 TD Site 9 [11] (107) <14> (150)	7	6	2	0	11	4	10	0	8	1	3
	9	2	0	0	11	0		0	4	0	4
	14	8	2	0	20	4		2	7	3	5
	9	10	2	0	19	2		0	8	0	3
	17	10	0	0	20	7		5	11	7	5
	5	9	2	0	5	11		2	12	5	6
Average:	**1525**	**1125**	**200**	**0**	**2150**	**700**	**10**	**225**	**1250**	**400**	**650**
Over 04 TD Site 9 [11] (108) <15> (150)	12	4	0	0	16	0	48	7	17	4	7
	16	2	0	0	8	10		8	23	5	9
	8	4	0	0	9	3		1	12	5	6
	20	5	0	0	18	7		5	33	19	11
	20	4	0	0	17	7		3	29	11	9
	16	7	0	0	16	7		7	42	9	12
Average:	**2300**	**650**	**0**	**0**	**2100**	**850**	**48**	**775**	**3900**	**1325**	**1350**

Wan cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Wan 94 Pr 1/1 (198)	10	7	0	0	7	10	15	0	1	0	3
	20	10	0	0	15	15		0	2	0	3
	22	8	0	0	17	13		0	2	0	2
	21	10	0	0	17	14		0	3	0	4
	16	8	0	0	12	12		0	2	0	3
	18	11	0	0	17	12		0	3	0	4
Average:	**3531**	**1782**	**0**	**0**	**2805**	**2508**	**15**	**0**	**429**	**0**	**627**
Wan 94 Pr 1/2 (264)	18	14	0	0	17	15	15	0	4	0	2
	28	8	0	0	20	16		0	1	0	3
	12	13	0	0	11	14		0	1	0	5
	11	14	0	0	10	15		0	2	0	5
	20	17	0	0	19	18		0	1	0	2
	16	10	0	0	14	12		0	1	0	3
Average:	**4620**	**3344**	**0**	**0**	**4004**	**3960**	**15**	**0**	**440**	**0**	**880**

Wan cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Wan 94 Pr 1/3 a (90)	27	12	0	0	21	18	5	0	5	0	2
	30	10	3	0	23	20		0	2	0	3
	30	7	0	0	10	27		0	1	0	2
	25	10	0	0	19	16		0	0	0	2
	25	12	0	0	22	15		0	7	0	4
	34	11	0	0	28	17		0	2	0	3
Average:	**2565**	**930**	**45**	**0**	**1845**	**1695**	**5**	**0**	**255**	**0**	**240**
Wan 94 Pr 1/3 b (99)	30	18	0	0	25	23	10	1	4	2	2
	20	12	0	0	17	15		0	1	0	2
	23	10	0	0	18	15		0	0	0	3
	10	11	0	0	9	12		0	2	0	2
	20	15	0	0	18	17		0	3	0	1
	20	16	0	0	16	20		0	3	0	4
Average:	**2030**	**1353**	**0**	**0**	**1700**	**1683**	**10**	**17**	**215**	**33**	**231**

Wan cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Wan 95 Pr 2/1 (198)	20	13	0	0	17	16	20	0	0	0	2
	11	9	0	0	9	11		0	3	0	4
	15	8	0	0	14	9		0	4	0	3
	20	18	0	0	20	18		0	1	0	3
	15	11	0	0	14	12		0	1	0	3
	17	12	0	0	15	14		0	2	0	2
Average:	**3234**	**2343**	**0**	**0**	**2937**	**2640**	**20**	**0**	**363**	**0**	**561**
Wan 96 Pr 10/1 (198)	17	0	0	0	17	0	5	0	0	0	2
	18	0	0	0	18	0		0	2	0	4
	15	0	0	0	15	0		0	2	0	3
	10	2	0	0	9	3		0	2	0	3
	16	4	0	0	14	6		0	2	0	2
	16	4	0	0	12	8		0	5	0	3
Average:	**3036**	**330**	**0**	**0**	**2805**	**561**	**5**	**0**	**429**	**0**	**561**

Wan cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Wan 96 Pr 10/2 a (121)	13	3	0	0	13	3	8	0	0	0	1
	9	3	0	0	9	3		0	3	0	4
	7	2	0	0	6	3		0	1	0	3
	8	0	0	0	7	1		0	1	0	4
	12	3	0	0	11	4		0	2	0	3
	14	4	0	0	12	6		0	3	0	3
Average:	**1271**	**303**	**0**	**0**	**1170**	**403**	**8**	**0**	**202**	**0**	**363**
Wan 96 Pr 10/2 b (154)	11	0	0	0	10	1	4	0	2	0	3
	12	6	0	0	12	6		0	4	0	2
	12	4	0	0	10	6		0	3	0	2
	12	2	0	0	10	4		0	2	0	1
	9	3	0	0	8	4		0	5	0	3
	9	5	0	0	9	5		0	2	0	3
Average:	**1668**	**513**	**0**	**0**	**1514**	**667**	**4**	**0**	**462**	**0**	**359**

MF cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Marcham Frilford 2004 <9.29> a (89)	18	4	0	0	12	10	30	0	4	0	1
	20	5	0	0	15	10		0	2	0	3
	16	7	0	0	12	11		0	5	0	2
	16	6	0	0	12	10		0	3	0	2
	19	9	0	0	16	12		0	3	0	3
	18	4	0	0	14	8		0	4	0	2
Average:	**1587**	**519**	**0**	**0**	**1202**	**905**	**30**	**0**	**312**	**0**	**193**
Marcham Frilford 2004 <9.29> b (87)	20	6	0	0	15	11	49	3	16	0	5
	26	9	0	0	18	17		1	6	0	2
	25	8	0	0	18	15		0	6	0	4
	20	7	0	0	17	10		0	8	4	4
	22	8	0	0	15	15		0	6	0	4
	15	5	0	0	9	11		0	6	0	3
Average:	**1856**	**624**	**0**	**0**	**1334**	**1146**	**49**	**58**	**696**	**58**	**319**

MF cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Marcham Frilford 2004 <9.31> a (70)	33	10	0	0	28	15	30	0	4	0	0
	33	7	0	0	18	22		0	6	0	3
	38	6	0	0	25	19		0	4	0	2
	27	8	0	0	20	15		0	14	0	5
	35	10	0	0	20	25		0	7	0	3
	36	6	0	0	24	18		0	8	0	4
Average:	**2357**	**548**	**0**	**0**	**1575**	**1330**	**30**	**0**	**502**	**0**	**198**
Marcham Frilford 2004 <9.31> b (28)	30	13	0	0	25	18	48	0	7	0	5
	32	8	0	0	21	19		0	5	0	3
	35	12	0	0	25	21		1	6	0	4
	30	16	0	0	26	20		0	7	0	4
	40	8	0	0	28	20		1	5	0	2
	32	10	0	0	25	22		2	5	0	2
Average:	**929**	**313**	**0**	**0**	**700**	**560**	**48**	**19**	**163**	**0**	**93**

MF cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Marcham Frilford 2004 <9.33> a (45)	8	7	0	0	5	10	28	0	4	0	2
	15	12	0	0	7	20		0	6	0	2
	10	5	0	0	7	8		0	5	0	0
	19	10	0	0	12	17		0	6	0	3
	10	8	0	0	8	10		0	4	0	0
	18	10	0	0	12	16		2	8	0	4
Average:	**600**	**390**	**0**	**0**	**383**	**608**	**28**	**15**	**248**	**0**	**83**
Marcham Frilford 2004 <9.33> b (25)	7	15	0	0	7	15	49	0	6	0	3
	10	20	0	0	10	20		0	4	0	2
	26	7	0	0	10	13		3	7	2	3
	10	17	0	0	8	19		0	8	0	4
	18	10	0	0	9	19		2	6	1	4
	19	11	0	0	11	19		3	8	2	4
Average:	**375**	**333**	**0**	**0**	**229**	**438**	**49**	**33**	**163**	**21**	**83**

MF cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Marcham Frilford 2004 <9.33> c (38)	11	18	0	0	9	20	30	0	3	0	2
	16	12	0	0	12	16		0	8	0	4
	11	22	0	0	11	22		0	3	0	0
	15	9	0	0	9	15		0	4	0	2
	16	7	0	0	7	16		0	4	0	1
	7	13	0	0	6	14		0	5	0	3
Average:	**481**	**513**	**0**	**0**	**342**	**652**	**30**	**0**	**171**	**0**	**76**
Marcham Frilford 2004 <21.5> (99)	6	10	0	0	6	10	35	0	2	0	2
	7	10	0	0	5	12		0	1	0	1
	6	11	0	0	6	11		0	4	3	1
	5	13	0	0	5	13		1	4	2	2
	4	8	0	0	3	9		0	4	0	1
	3	9	0	0	3	9		0	3	0	2
Average:	**512**	**1007**	**0**	**0**	**462**	**1056**	**35**	**17**	**297**	**83**	**149**

MF cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Marcham Frilford 2004 <21.6> (96)	1	6	0	0	1	6	10	0	2	0	2
	1	9	0	0	1	9		0	3	1	4
	5	11	2	0	3	15		0	10	1	5
	5	15	0	0	8	12		0	1	0	2
	3	8	0	0	3	8		0	3	0	3
	3	9	0	0	3	9		0	3	0	1
Average:	**288**	**928**	**32**	**0**	**304**	**944**	**10**	**0**	**352**	**32**	**272**
Marcham Frilford 2004 <21.7> a (64)	1	5	0	0	2	4	10	0	1	0	2
	4	5	0	0	3	6		0	1	0	2
	1	4	0	0	1	4		0	1	0	1
	2	9	0	0	3	8		0	2	0	4
	0	3	0	0	0	3		0	0	0	1
	4	3	0	0	3	4		0	2	0	2
Average:	**128**	**309**	**0**	**0**	**128**	**309**	**10**	**0**	**75**	**0**	**128**

MF cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
Marcham Frilford 2004 <21.7> b (32)	8	2	0	0	4	6	5	0	0	0	1
	4	0	0	0	4	0		0	0	0	0
	4	3	0	0	3	4		0	0	0	2
	4	0	0	0	0	4		0	0	0	0
	5	3	0	0	3	5		0	2	0	0
	4	2	0	0	3	3		0	0	0	0
Average:	**155**	**53**	**0**	**0**	**91**	**117**	**5**	**0**	**11**	**0**	**16**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 107 a	2	15	0	0	16	1	20	0	8	4	1
(144)	3	9	0	0	12	0		1	4	4	5
	6	12	2	0	16	4		3	12	6	7
	10	18	2	0	20	10		1	8	5	3
	12	18	0	0	22	8		3	15	8	8
	10	17	0	0	19	8		3	17	7	9
Average:	**1032**	**2136**	**96**	**0**	**2520**	**744**	**20**	**264**	**1536**	**816**	**792**
SC2003 107 b	12	2	0	0	12	2	16	0	12	5	5
(60)	0	11	2	0	2	11		0	2	2	1
	1	8	0	0	4	5		0	5	2	4
	1	9	1	0	2	9		1	4	4	2
	0	10	0	0	4	6		0	2	1	1
	2	8	0	0	3	7		1	8	3	4
Average:	**160**	**480**	**30**	**0**	**270**	**400**	**16**	**20**	**330**	**170**	**170**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 106 a	1	12	2	0	8	7	12	0	8	5	5
(84)	1	14	0	0	4	10		0	6	4	4
	0	17	0	0	5	12		1	14	5	6
	2	10	3	0	5	10		0	4	1	3
	4	18	0	0	8	14		2	18	9	8
	1	14	0	0	3	12		0	5	2	4
Average:	**126**	**1190**	**70**	**0**	**462**	**910**	**12**	**42**	**770**	**364**	**420**
SC2003 106 b	0	14	3	0	8	9	25	0	8	2	4
(108)	0	7	5	0	2	10		0	12	0	6
	3	12	1	0	6	10		0	2	0	2
	1	8	0	0	4	5		0	9	4	5
	0	11	2	0	4	9		1	4	0	5
	2	7	0	0	2	7		0	5	0	3
Average:	**108**	**1062**	**198**	**0**	**468**	**900**	**25**	**18**	**720**	**108**	**450**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 105	3	10	3	0	0	16	38	4	14	8	7
(204)	3	8	0	0	2	9		3	19	9	5
	1	12	1	0	1	13		4	28	7	6
	0	14	0	0	0	14		6	39	9	9
	0	15	0	0	5	10		5	32	8	9
	0	14	0	0	4	10		5	24	8	8
Average:	**238**	**2482**	**136**	**0**	**408**	**2448**	**38**	**918**	**5304**	**1666**	**1496**
SC2003 118 a	7	17	3	0	17	10	20	5	15	7	6
(20)	4	10	3	0	9	8		1	9	4	5
	8	10	3	0	12	9		0	9	2	4
	10	20	2	0	18	14		4	16	9	5
	6	9	0	0	8	7		1	10	5	5
	9	18	2	0	20	9		3	19	7	7
Average:	**147**	**280**	**43**	**0**	**280**	**190**	**20**	**47**	**260**	**113**	**107**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 118 b	6	10	3	0	4	15	35	0	6	0	7
(184)	3	9	0	0	1	11		3	25	11	9
	0	12	0	0	0	12		3	18	7	7
	0	16	0	0	2	14		2	19	5	7
	3	7	0	0	5	5		0	9	4	2
	4	0	0	0	4	0		0	0	0	4
Average:	**491**	**1656**	**92**	**0**	**491**	**1748**	**35**	**245**	**2361**	**828**	**1104**
SC2003 119 a	2	9	0	0	2	9	48	6	30	15	17
(77)	3	20	3	0	6	20		2	25	7	9
	3	11	0	0	3	11		1	22	7	9
	1	10	2	0	2	11		1	26	8	8
	1	18	2	0	2	19		3	28	11	9
	5	14	0	0	4	15		2	27	7	9
Average:	**193**	**1052**	**90**	**0**	**244**	**1091**	**48**	**193**	**2028**	**706**	**783**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 119 b	2	12	1	0	3	12	30	2	19	7	9
(110)	1	20	1	0	4	18		1	12	6	6
	4	19	0	0	5	18		0	12	7	9
	4	21	0	0	9	16		3	22	9	11
	3	18	0	0	3	18		0	12	5	8
	4	20	4	0	8	20		0	14	6	8
Average:	**330**	**2017**	**110**	**0**	**587**	**1870**	**30**	**110**	**1668**	**733**	**935**
SC2003 120 a	2	10	0	0	5	7	15	0	8	0	7
(108)	3	12	1	0	4	12		0	4	1	6
	2	9	0	0	4	7		0	6	2	4
	0	7	3	0	1	9		0	4	3	5
	2	12	0	0	2	12		0	9	3	5
	3	11	0	0	3	11		0	5	2	4
Average:	**216**	**1098**	**72**	**0**	**342**	**1044**	**15**	**0**	**648**	**198**	**558**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 120 b	0	25	3	0	10	18	10	0	1	3	1
(60)	0	10	0	0	4	6		0	5	3	2
	0	16	2	0	6	12		0	5	0	5
	0	12	2	0	3	11		1	5	1	5
	0	13	3	0	4	12		0	6	2	4
	2	14	2	0	6	12		0	3	1	4
Average:	**20**	**900**	**120**	**0**	**330**	**710**	**10**	**10**	**250**	**100**	**210**
SC2003 120 c	3	20	2	0	4	21	40	2	12	6	8
(36)	2	19	1	0	6	16		3	17	8	9
	3	17	2	0	7	15		2	21	9	11
	1	15	0	0	6	10		1	18	7	9
	2	18	0	0	7	13		1	22	6	9
	2	20	3	0	9	16		2	27	7	10
Average:	**78**	**654**	**48**	**0**	**234**	**546**	**40**	**66**	**702**	**258**	**336**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 5001	3	19	2	0	10	14	17	0	7	4	5
(60)	4	23	0	0	14	13		0	8	4	4
	5	11	2	0	8	10		0	9	5	6
	2	26	2	0	16	14		0	12	6	7
	2	24	1	0	10	17		0	7	2	4
	0	25	9	0	16	18		2	27	7	9
Average:	**160**	**1280**	**160**	**0**	**740**	**860**	**17**	**20**	**700**	**280**	**350**
SC2003 5002	3	15	0	0	3	15	42	1	28	11	9
(204)	0	17	0	0	5	12		2	32	11	11
	0	11	0	0	3	8		0	9	3	5
	0	10	0	0	3	7		0	12	0	5
	0	12	0	0	4	8		1	5	1	5
	3	17	2	0	8	14		2	15	5	9
Average:	**204**	**2788**	**68**	**0**	**884**	**2176**	**42**	**204**	**3434**	**1054**	**1496**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 5003 (112)	3	5	0	0	5	3	15	0	4	1	3
	0	6	3	0	6	3		0	9	4	4
	1	10	3	0	7	7		0	12	5	7
	3	10	4	0	7	10		0	8	2	5
	0	7	0	0	4	3		0	14	8	7
	0	9	3	0	5	7		3	17	9	7
Average:	**131**	**877**	**243**	**0**	**635**	**616**	**15**	**56**	**1195**	**541**	**616**
SC2003 5004 a (72)	0	7	3	0	4	6	25	0	9	6	5
	0	8	0	0	8	0		0	6	4	4
	0	9	5	0	5	9		0	9	4	5
	3	10	3	0	6	10		0	12	5	7
	2	10	0	0	7	5		2	17	9	8
	3	11	2	0	5	11		1	14	5	7
Average:	**96**	**660**	**156**	**0**	**420**	**492**	**25**	**36**	**804**	**396**	**432**

SC cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SC2003 5004 b (60)	2	2	0	0	4	0	10	0	9	4	4
	1	7	1	0	6	3		0	11	5	5
	2	9	3	0	5	9		0	7	3	4
	2	11	4	0	7	10		1	14	4	6
	0	4	4	0	2	6		0	12	4	5
	0	12	3	0	0	15		0	17	5	7
Average:	**70**	**450**	**150**	**0**	**240**	**430**	**10**	**10**	**700**	**250**	**310**

SDP cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SDP04T2 960/2034a (144)	14	0	0	0	14	0	30	0	0	0	2
	8	0	0	0	8	0		0	0	0	2
	15	0	0	0	15	0		0	0	0	0
	21	1	0	0	22	0		0	0	0	1
	6	0	0	0	6	0		0	0	0	0
	8	0	0	0	8	0		0	0	0	2
Average:	**1728**	**24**	**0**	**0**	**1752**	**0**	**30**	**0**	**0**	**0**	**168**
SDP04T2 960/2034b (108)	12	4	0	0	15	1	48	0	2	1	5
	15	8	0	0	14	9		0	2	0	8
	8	2	0	0	8	2		0	2	0	6
	17	4	0	0	16	5		0	2	0	5
	16	0	0	0	16	0		0	1	0	2
	15	5	0	0	15	5		1	3	0	4
Average:	**1494**	**414**	**0**	**0**	**1512**	**396**	**48**	**18**	**216**	**18**	**540**

SDP cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SDP04T4 5000/6100 <2>a (80)	5	0	0	0	5	0	10	0	0	0	1
	12	0	0	0	12	0		0	0	0	2
	6	0	0	0	6	0		0	1	0	2
	6	0	0	0	6	0		0	0	0	3
	8	0	0	0	8	0		0	0	0	1
	4	0	0	0	4	0		0	0	0	0
Average:	**547**	**0**	**0**	**0**	**547**	**0**	**10**	**0**	**13**	**0**	**120**
SDP04T4 5000/6100 <2>b (110)	15	0	0	0	15	0	38	0	1	0	2
	9	0	0	0	9	0		0	0	0	1
	7	0	0	0	7	0		0	1	0	2
	5	0	0	0	5	0		0	0	0	0
	5	0	0	0	5	0		0	1	0	2
	12	0	0	0	12	0		0	1	0	4
Average:	**972**	**0**	**0**	**0**	**972**	**0**	**38**	**0**	**73**	**0**	**202**

SDP cont…	Iron Deposition conitinued…										
Sample Number (# of squares)	Iron Nodules continued…						Fe Staining	Fe Coatings		Fe Hypocoatings	
	Impregnation				Boundary						
	Pure	Strong	Moderate	Weak	Sharp	Diffuse	% Area Covered	Pore	Grain	Pore	Grain
SDP04T4 5000/6280 (3)	42	0	0	0	38	4	20	0	4	0	3
<3>a	30	9	0	0	30	9		1	6	1	3
(65)	29	2	0	0	27	4		0	4	0	2
	23	2	0	0	20	5		0	4	0	3
	21	4	0	0	20	5		0	5	0	2
	20	8	0	0	20	8		0	5	0	2
Average:	**1788**	**271**	**0**	**0**	**1679**	**379**	**20**	**11**	**303**	**11**	**163**
SDP04T4 5000/6280 (3)	9	0	0	0	9	0	47	0	8	1	0
<3>b	20	5	0	0	20	5		1	6	2	3
(79)	17	3	0	0	17	3		2	6	3	3
	8	4	0	0	8	4		0	3	0	2
	8	3	0	0	8	3		0	1	0	2
	8	0	0	0	8	0		0	6	0	3
Average:	**922**	**198**	**0**	**0**	**922**	**198**	**47**	**40**	**395**	**79**	**171**

Over cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Over 04 TD Site 9 [9] (96) <8> a (55)										
Average:										
Over 04 TD Site 9 [9] (96) <8> b (110)										
	■	200	200	lower left						
Average:	■	**200**	**200**							

Over cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Over 04 TD Site 9 [9[(98) <9> (160)										
	■	200	200	lower centre						
	■■	350	1000	lower right						
Average:	■	**275**	**600**							
Over 04 TD Site 9 <12> (198)										
Average:										

Over cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Over 04 TD Site 9 [11] (107) <14> (150)	■■	200	400	upper left						
	■	600	600	upper right						
	■	400	400	lower centre						
Average:	■	**400**	**467**							
Over 04 TD Site 9 [11] (108) <15> (150)										
	■■■	70	150	upper right						
Average:	■	**70**	**150**							

Wan cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Wan 94 Pr 1/1 (198)										
	■■■	180	250	lower right						
Average:	■	**180**	**250**	**lower right**						
Wan 94 Pr 1/2 (264)										
	■	180	180	lower centre						
Average:	■	**180**	**180**	**lower centre**						

Wan cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Wan 94 Pr 1/3 a (90)										
Average:										
Wan 94 Pr 1/3 b (99)										
	■■■	70	110	upper centre						
	■■■■	70	350	lower left						
Average:	■	**70**	**230**							

Wan cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Wan 95 Pr 2/1 (198)										
	■■	50	80	upper right						
	■■■	50	100	lower centre						
	■■	200	550	lower right						
Average:	■	**100**	**243**							
Wan 96 Pr 10/1 (198)										
Average:										

Wan cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Wan 96 Pr 10/2 a (121)										
Average:										
Wan 96 Pr 10/2 b (154)										
	■■	50	150	upper centre						
	■■	50	150	lower centre						
Average:	■	**50**	**150**							

MF cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Marcham Frilford 2004 <9.29> a (89)										
Average:										
Marcham Frilford 2004 <9.29> b (87)	■	100	100	upper left						
	■■	100	200	upper right						
Average:	■	**100**	**150**							

MF cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Marcham Frilford 2004 <9.31> a (70)										
Average:										
Marcham Frilford 2004 <9.31> b (28)										
Average:										

MF cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Marcham Frilford 2004 <9.33> a (45)										
Average:										
Marcham Frilford 2004 <9.33> b (25)										
	■■■	100	900	upper centre						
	■■■■■	100	1000	upper right						
	■■■■■	60	800	lower centre						
	■■■■■	100	600	lower right						
Average:	■■■	**90**	**825**							

MF cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Marcham Frilford 2004 <9.33> c (38)										
Average:										
Marcham Frilford 2004 <21.5> (99)	■	100	100	upper left						
Average:	■	**100**	**100**							

MF cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Marcham Frilford 2004 <21.6> (96)										
	■■	50	70	lower right						
Average:	■	**50**	**70**							
Marcham Frilford 2004 <21.7> a (64)										
	■	100	100	upper centre						
	■■■	20	50	lower centre						
	■■■	400	2000	lower right						
Average:	■	**173**	**717**							

MF cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
Marcham Frilford 2004 <21.7> b (32)										
	■■■	50	200	lower left						
	■■■	50	150	lower centre						
	■■■	200	1000	lower right						
Average:	■■	**100**	**450**							

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 107 a (144)										
	■■■	300	1500	lower right						
Average:	■	300	1500							
SC2003 107 b (60)										
Average:										

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 106 a										
(84)	■■■	150	400	upper centre						
Average:	■	**150**	**400**							
SC2003 106 b	■	400	400	upper left						
(108)										
Average:	■	**400**	**400**							

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 105 (204)										
Average:										
SC2003 118 a (20)										
Average:										

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 118 b (184)										
Average:										
SC2003 119 a (77)										
	■	90	90	lower left						
Average:	■	**90**	**90**							

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 119 b (110)										
Average:										
SC2003 120 a (108)										
Average:										

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 120 b (60)										
Average:										
SC2003 120 c (36)										
Average:										

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 5001 (60)										
Average:										
SC2003 5002 (204)										
	■■	100	570	lower centre						
Average:	■	**100**	**570**							

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 5003 (112)										
Average:										
SC2003 5004 a (72)										
Average:										

SC cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SC2003 5004 b (60)										
Average:										

SDP cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SDP04T2 960/2034a (144)					■	between layers	55mm long, 6mm thick	■		
	■	1200	1200	upper centre						
	■	1000	1000	lower left						
Average:	■	**1100**	**1100**		■	**between layers**	**As above**	■		
SDP04T2 960/2034b (108)										
	■■	130	150	upper centre						
Average:	■	**130**	**150**	**upper centre**						

SDP cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SDP04T4 5000/6100 <2>a (80)										
Average:										
SDP04T4 5000/6100 <2>b (110)										
Average:										

SDP cont…	Iron Deposition continued…									
Sample Number (# of squares)	Fe Replacement				Fe Pan (measured from whole sample not selected boxes)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Frequency	Location	Size (µm)	Strong	Moderate	Weak
SDP04T4 5000/6280 (3) <3>a (65)	■	350	350	upper left						
Average:	■	350	350							
SDP04T4 5000/6280 (3) <3>b (79)										
Average:										

Over cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Over 04 TD Site 9 [9] (96) <8> a (55)	■■■■■■■■	upper left	■■■■	upper left	■■■■	■■■■■■	■■■■
	■■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■■■	■■■■
	■■■■■■■■	upper right	■■■■	upper right	■■■■	■■■■■■	■■■
	■■■■■■■■	lower left	■■■■■	lower left	■■■■■	■■■■	■■■
	■■■■■■■■	lower centre	■■■■■	lower centre	■■■■■	■■■■■	■■■■■
	■■■■■■■■	lower right	■■■■■	lower right	■■■■■	■■■■	■■■
Average:	■■■■■■■■		■■■■■		■■■■■	■■■■■	■■■■
Over 04 TD Site 9 [9] (96) <8> b (110)	■■■■■■■■	upper left	■■■■■■	upper left	■■■■■■	■■■■■■	■■■■■
	■■■■■■■■	upper centre	■■■■■■	upper centre	■■■■■■	■■■■■■	■■■■■
	■■■■■■■■	upper right	■■■■■■	upper right	■■■■■■	■■■■■	■■■■
	■■■■■■■■	lower left	■■■■■■	lower left	■■■■■■	■■■■■	■■■■
	■■■■■■■■	lower centre	■■■■■■	lower centre	■■■■■■	■■■■■	■■■■
	■■■■■■■■	lower right	■■■■■■	lower right	■■■■■■	■■■■■	■■■■
Average:	■■■■■■■■		■■■■■■		■■■■■■	■■■■■	■■■■

Over cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Over 04 TD Site 9 [9[(98) <9> (160)	■■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■■■	■■■
	■■■■■■■	upper centre	■■■■■■	upper centre	■■■■■■	■■■■	■■■
	■■■■■■■	upper right	■■■■■■	upper right	■■■■■■	■■■■■■	■■■■■
	■■■■■■■	lower left	■■■■■	lower left	■■■■■	■■■■■	■■■■
	■■■■■■■	lower centre	■■■■■■	lower centre	■■■■■■	■■■■■	■■■■
	■■■■■■■	lower right	■■■■■	lower right	■■■■■	■■■■■	■■■■
Average:	■■■■■■■		■■■■■■		■■■■■■	■■■■■	■■■■
Over 04 TD Site 9 <12> (198)	■■■■■■■	upper left	■■■■■	upper left	■■■■	■■■■	■■
	■■■■■■■	upper centre	■■■■■	upper centre	■■■■	■■■■	■■
	■■■■■■■	upper right	■■■■■	upper right	■■■■	■■■■	■■
	■■■■■■■	lower left	■■■■■	lower left	■■■■	■■■■	■
	■■■■■■■	lower centre	■■■■■	lower centre	■■■■	■■■■	■
	■■■■■■■	lower right	■■■■■	lower right	■■■■	■■■■	■
Average:	■■■■■■■		■■■■■		■■■■	■■■■	■■

Over cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Over 04 TD Site 9 [11] (107) <14> (150)	■■■■■■■■	upper left	■■■■■■	upper left	■■■■■	■■■■■	■■■
	■■■■■■■■	upper centre	■■■■■■	upper centre	■■■■■	■■■■■	■■■
	■■■■■■■■	upper right	■■■■■■	upper right	■■■■■	■■■■■	■■■■
	■■■■■■■■	lower left	■■■■■■	lower left	■■■■■	■■■■■	■■■
	■■■■■■■■	lower centre	■■■■■■	lower centre	■■■■■	■■■■■	■■■■
	■■■■■■■■	lower right	■■■■■■	lower right	■■■■■	■■■■■	■■■■
Average:	■■■■■■■■		■■■■■■		■■■■■	■■■■■	■■■■
Over 04 TD Site 9 [11] (108) <15> (150)	■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■■■	■■■
	■■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■■■	■■■
	■■■■■■	upper right	■■■■■	upper right	■■■■■	■■■■■	■■■■
	■■■■■■	lower left	■■■	lower left	■■■	■■■■	■■■
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	■■■■
	■■■■■■	lower right	■■■■	lower right	■■■■	■■■■■	■■■■■
Average:	■■■■■■		■■■■		■■■■	■■■■■	■■■■

Wan cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Wan 94 Pr 1/1 (198)	■■■■■■■	upper left	■■■■	upper left	■■■■	■■■■	
	■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■	
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■■■	
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■■	■■
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	■
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■■■	■■■
Average:	■■■■■■■		■■■■		■■■■	■■■■	■
Wan 94 Pr 1/2 (264)	■■■■■■■	upper left	■■■■	upper left	■■■■	■■■■	
	■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■	
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■■■	■
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■■	
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■■■	
Average:	■■■■■■■		■■■■		■■■■	■■■■	■

Wan cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Wan 94 Pr 1/3 a (90)	■■■■■■■	upper left	■■■■	upper left	■■■■	■■■■	
	■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■	■■
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■■■	■■
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■■	■
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	■■
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■■■	
Average:	■■■■■■■		■■■■		■■■■	■■■■	■
Wan 94 Pr 1/3 b (99)	■■■■■■	upper left	■■■■	upper left	■■■■	■■■■■	
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■■	■
	■■■■■■	upper right	■■■■	upper right	■■■■	■■■■	
	■■■■■■	lower left	■■■■■	lower left	■■■■■	■■■■	■■■
	■■■■■■	lower centre	■■■■■	lower centre	■■■■■	■■■■	■■
	■■■■■■	lower right	■■■■	lower right	■■■■	■■■■	■■
Average:	■■■■■■		■■■■		■■■■	■■■■	■

Wan cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Wan 95 Pr 2/1 (198)	■■■■■■	upper left	■■■■	upper left	■■■■	■■■■	■■
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■	■
	■■■■■■	upper right	■■■■	upper right	■■■■	■■■■	■
	■■■■■■	lower left	■■■■	lower left	■■■■	■■■■	■■
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	
	■■■■■■	lower right	■■■■	lower right	■■■■	■■■■	■
Average:	■■■■■■		■■■■		■■■■	■■■■	■
Wan 96 Pr 10/1 (198)	■■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■	
	■■■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■	■
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■	
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■	■
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■	
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■■	
Average:	■■■■■■■		■■■■		■■■■	■■■	■

Wan cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Wan 96 Pr 10/2 a (121)	■■■■■■■	upper left	■■■■	upper left	■■■■	■■■	
	■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■	
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■■	
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■	■■
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■	■
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■■	
Average:	■■■■■■■		■■■■		■■■■	■■■	■
Wan 96 Pr 10/2 b (154)	■■■■■■	upper left	■■■■	upper left	■■■■	■■■	
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■	
	■■■■■■	upper right	■■■■	upper right	■■■■	■■■	
	■■■■■■	lower left	■■■■	lower left	■■■■	■■■	
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■	
	■■■■■■	lower right	■■■■	lower right	■■■■	■■■	
Average:	■■■■■■		■■■■		■■■■	■■■	

MF cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Marcham Frilford 2004 <9.29> a (89)	■■■■■■■	upper left	■■■■	upper left	■■■■	■■■■	
	■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■	
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■■	
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■	■■
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■	■
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■	
Average:	■■■■■■■		■■■■		■■■■	■■■	■
Marcham Frilford 2004 <9.29> b (87)	■■■■■■■	upper left	■■■	upper left	■■■	■■	
	■■■■■■■	upper centre	■■■	upper centre	■■■	■■	
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■	
	■■■■■■■	lower left	■■■	lower left	■■■	■■■	
	■■■■■■■	lower centre	■■■	lower centre	■■■	■■■	
	■■■■■■■	lower right	■■■	lower right	■■■	■■	
Average:	■■■■■■■		■■■		■■■	■■	

MF cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Marcham Frilford 2004 <9.31> a (70)	■■■■	upper left	■■■	upper left	■■■	■■■	
	■■■■■	upper centre	■■■■	upper centre	■■■■	■■	
	■■■■■	upper right	■■■■	upper right	■■■■	■■■	
	■■■■■	lower left	■■■■	lower left	■■■■	■■■■	
	■■■■■	lower centre	■■■■	lower centre	■■■■	■■	
	■■■■■	lower right	■■■■	lower right	■■■■	■■■	
Average:	■■■■■		■■■■		■■■■	■■■	
Marcham Frilford 2004 <9.31> b (28)	■■■■■■	upper left	■■■■	upper left	■■■■	■■■■	
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■■	
	■■■■■■	upper right	■■■■	upper right	■■■■	■■■■	
	■■■■■■	lower left	■■■■	lower left	■■■■	■■■	
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■	
	■■■■■■	lower right	■■■■	lower right	■■■■	■■	
Average:	■■■■■■		■■■■		■■■■	■■■	

MF cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Marcham Frilford 2004 <9.33> a (45)	■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■	
	■■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■	
	■■■■■■	upper right	■■■■	upper right	■■■■	■■	
	■■■■■■	lower left	■■■■	lower left	■■■■	■■■	
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■	
	■■■■■■	lower right	■■■■	lower right	■■■■	■■	
Average:	■■■■■■		■■■■		■■■■	■■■	
Marcham Frilford 2004 <9.33> b (25)	■■■■■	upper left	■■■	upper left	■■■	■	
	■■■■■	upper centre	■■■■	upper centre	■■■■	■■	
	■■■■■	upper right	■■■■	upper right	■■■■		
	■■■■■	lower left	■■■■	lower left	■■■■	■■	
	■■■■■	lower centre	■■■■	lower centre	■■■■	■■	
	■■■■■	lower right	■■■■	lower right	■■■■	■■	
Average:	■■■■■		■■■■		■■■■	■■	

MF cont…	Organic Material						
Sample Number (# of squares)	Amorphous Punctuations Frequency	Location	Matter Frequency	Location	Assoc w/ Fe	Charcoal < 100um	> 100um
Marcham Frilford 2004 <9.33> c (38)	■■■■■	upper left	■■■■	upper left	■■■■	■■	
	■■■■■	upper centre	■■■■	upper centre	■■■■	■■	
	■■■■■	upper right	■■■■	upper right	■■■■	■	
	■■■■■	lower left	■■■	lower left	■■■	■	
	■■■■■	lower centre	■■■	lower centre	■■■	■	
	■■■■■	lower right	■■■■	lower right	■■■■	■■	
Average:	■■■■■		■■■■		■■■■	■■	
Marcham Frilford 2004 <21.5> (99)	■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■■	■■
	■■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■■	■■
	■■■■■■	upper right	■■■■■	upper right	■■■■■	■■■■	■
	■■■■■■	lower left	■■■■■	lower left	■■■■■	■■■■	■■■
	■■■■■■	lower centre	■■■■■	lower centre	■■■■■	■■■■	■
	■■■■■■	lower right	■■■■■	lower right	■■■■■	■■■■	■
Average:	■■■■■■		■■■■■		■■■■■	■■■■	■■

MF cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Marcham Frilford 2004 <21.6> (96)	■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■■	
	■■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■■	■■
	■■■■■■	upper right	■■■■■	upper right	■■■■■	■■■■	■
	■■■■■■	lower left	■■■■■	lower left	■■■■■	■■■■	■■
	■■■■■■	lower centre	■■■■■	lower centre	■■■■■	■■■■	■■■
	■■■■■■	lower right	■■■■■	lower right	■■■■■	■■■■	■■■
Average:	■■■■■■		■■■■■		■■■■■	■■■■	■■
Marcham Frilford 2004 <21.7> a (64)	■■■■■	upper left	■■■	upper left	■■■	■■■■	
	■■■■■	upper centre	■■■	upper centre	■■■	■■■■	
	■■■■■	upper right	■■■	upper right	■■■	■■■	■
	■■■■■	lower left	■■■	lower left	■■■	■■■■■	■■
	■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	
	■■■■■	lower right	■■■■	lower right	■■■■	■■■■	
Average:	■■■■■		■■■		■■■	■■■■	■

MF cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
Marcham Frilford 2004 <21.7> b (32)	■■■■■■	upper left	■■■■■	upper left	■■■■■	■■■■	
	■■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■■	
	■■■■■■	upper right	■■■■■	upper right	■■■■■	■■■■	
	■■■■■■■	lower left	■■■■■■	lower left	■■■■■■	■■■■■	■■
	■■■■■■■	lower centre	■■■■■■	lower centre	■■■■■■	■■■■■	■■■
	■■■■■■■	lower right	■■■■■■	lower right	■■■■■■	■■■■■	■■
Average:	■■■■■■■		■■■■■■		■■■■■■	■■■■■	■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 107 a (144)	■■■■■■■■	upper left	■■■■■■■	upper left	■■■■■■	■■■■■	■■■
	■■■■■■■■	upper centre	■■■■■■■	upper centre	■■■■■■	■■■■■	■■■
	■■■■■■■■	upper right	■■■■■■■	upper right	■■■■■■	■■■■■	■■■
	■■■■■■■■	lower left	■■■■■■■	lower left	■■■■■■	■■■■	■■
	■■■■■■■■	lower centre	■■■■■■■	lower centre	■■■■■■	■■■■	■■■
	■■■■■■■■	lower right	■■■■■■■	lower right	■■■■■■	■■■■	■■
Average:	■■■■■■■■		■■■■■■■		■■■■■■	■■■■■	■■■
SC2003 107 b (60)	■■■■■■■	upper left	■■■■■■	upper left	■■■■	■■■■	■■■
	■■■■■■	upper centre	■■■■■	upper centre	■■■■	■■■■	■■
	■■■■■■	upper right	■■■■■	upper right	■■■■	■■	
	■■■■■	lower left	■■■■	lower left	■■■	■■	■
	■■■■■	lower centre	■■■■	lower centre	■■■	■■■	■■
	■■■■	lower right	■■	lower right	■■	■■	
Average:	■■■■■■		■■■■		■■■	■■■	■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 106 a	■■■■	upper left	■■■	upper left	■■■	■■■	
(84)	■■■■	upper centre	■■■■	upper centre	■■■■	■■■	■
	■■■■	upper right	■■■	upper right	■■■	■■	■
	■■■■	lower left	■■	lower left	■■	■■■	■
	■■■■	lower centre	■■■	lower centre	■■	■■■	
	■■■■	lower right	■■	lower right	■■	■■	
Average:	■■■■		■■■		■■■	■■■	■
SC2003 106 b	■■■■	upper left	■■	upper left	■■	■■■	■■■
(108)	■■■	upper centre	■■	upper centre	■■	■■■	■■
	■■■	upper right	■■	upper right	■■	■■■	■■
	■■■	lower left	■■	lower left	■■	■■■	■
	■■■	lower centre	■■	lower centre	■■	■■■	■
	■■■	lower right	■■	lower right	■■	■■■	■
Average:	■■■		■■		■■	■■■	■■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 105 (204)	■■■	upper left	■■	upper left	■■	■■■	■■
	■■■	upper centre	■■	upper centre	■■	■■■	■■
	■■■	upper right	■■	upper right	■■	■■	
	■■	lower left	■	lower left	■	■■	
	■■	lower centre	■	lower centre	■	■■	■
	■■	lower right	■	lower right	■	■■	■
Average:	■■■		■■		■■	■■	■
SC2003 118 a (20)	■■■■■	upper left	■■■■■	upper left	■■■■■	■■■■■	■■■
	■■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■■	■■
	■■■■■	upper right	■■■■■	upper right	■■■■■	■■■■	■■
	■■■■■	lower left	■■■■■	lower left	■■■■■	■■■■	■■■
	■■■■■	lower centre	■■■■■	lower centre	■■■■■	■■■■	■■
	■■■■■	lower right	■■■■■	lower right	■■■■■	■■■	■■
Average:	■■■■■		■■■■■		■■■■■	■■■■	■■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 118 b (184)	■■■	upper left	■■	upper left	■■	■■	
	■■■	upper centre	■	upper centre	■	■	
	■■■	upper right	■■	upper right	■■	■	
	■■■	lower left	■■	lower left	■■	■■	
	■■■	lower centre	■■	lower centre	■■	■	
	■■■	lower right	■	lower right	■	■	
Average:	■■■		■■		■■	■	
SC2003 119 a (77)	■■■■	upper left	■■■	upper left	■■■	■■■	■
	■■■■	upper centre	■■■	upper centre	■■■	■■■	■■■
	■■■■	upper right	■■■	upper right	■■■	■■■	■■■
	■■■■	lower left	■■	lower left	■■	■■■	■■
	■■■■	lower centre	■■■	lower centre	■■■	■■■	■■
	■■■■	lower right	■■	lower right	■■	■■■	■■
Average:	■■■■		■■■		■■■	■■■	■■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 119 b (110)	■■■	upper left	■	upper left	■	■■■	
	■■■	upper centre	■■	upper centre	■■	■■■	■■
	■■■	upper right	■■	upper right	■■	■■■	■
	■■■	lower left	■■	lower left	■■	■■■	■■
	■■■	lower centre	■■	lower centre	■■	■■■	■■
	■■■	lower right	■■	lower right	■■	■■■	■
Average:	■■■		■■		■■	■■■	■
SC2003 120 a (108)	■■■■■■	upper left	■■■■■	upper left	■■■■	■■■■	■■■
	■■■■■■	upper centre	■■■■■	upper centre	■■■■	■■■■	■■■
	■■■■■■	upper right	■■■■	upper right	■■■	■■■	■■
	■■■■■■	lower left	■■■■■	lower left	■■■■	■■■■	■■■
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■	■■■
	■■■■■■	lower right	■■■■■	lower right	■■■■	■■■	■■
Average:	■■■■■■		■■■■■		■■■■	■■■■	■■■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 120 b	■■■■■	upper left	■■■■	upper left	■■■	■■■	
(60)	■■■■■	upper centre	■■■■	upper centre	■■■	■■■	■■
	■■■■■	upper right	■■■■	upper right	■■■	■■■	■■
	■■■■■	lower left	■■■	lower left	■■	■■■	
	■■■■	lower centre	■■■	lower centre	■■■	■■■	■
	■■■■	lower right	■■■	lower right	■■	■■■	■
Average:	■■■■■		■■■■		■■■	■■■	■
SC2003 120 c	■■■■■	upper left	■■■■	upper left	■■■■	■■■	■■
(36)	■■■■■	upper centre	■■■■	upper centre	■■■■	■■■	■■
	■■■■■	upper right	■■■■	upper right	■■■■	■■■	■■■
	■■■■	lower left	■■■	lower left	■■■	■■■■	■■■
	■■■	lower centre	■■	lower centre	■■	■■■	■
	■■■	lower right	■■	lower right	■■	■■■	■
Average:	■■■■		■■■		■■■	■■■	■■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 5001 (60)	■■■■■■■	upper left	■■■■■■	upper left	■■■■■	■■■	■
	■■■■■■■	upper centre	■■■■■■	upper centre	■■■■■	■■■	
	■■■■■■■	upper right	■■■■■■	upper right	■■■■■	■■■■	■■■
	■■■■■■■	lower left	■■■■■■	lower left	■■■■■	■■■	■■
	■■■■■■■	lower centre	■■■■■■	lower centre	■■■■■	■■■	■■
	■■■■■■■	lower right	■■■■■■	lower right	■■■■■	■■■	■■■
Average:	■■■■■■■		■■■■■■		■■■■■	■■■	■■
SC2003 5002 (204)	■■■	upper left	■■	upper left	■■	■■■	■
	■■■	upper centre	■■	upper centre	■■	■■■	
	■■■	upper right	■■	upper right	■■	■■■	
	■■■	lower left	■■■	lower left	■■■	■■■	■■
	■■■	lower centre	■■■	lower centre	■■■	■■■	■■
	■■■	lower right	■■	lower right	■■	■■■	■■
Average:	■■■		■■		■■	■■■	■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 5003 (112)	■■■■■■	upper left	■■■■■	upper left	■■■■	■■■	■■
	■■■■■■	upper centre	■■■■■	upper centre	■■■■	■■■	■■
	■■■■■■	upper right	■■■■■	upper right	■■■■	■■■	■■
	■■■■■■	lower left	■■■■■	lower left	■■■■	■■■	
	■■■■■■	lower centre	■■■■■	lower centre	■■■■	■■■	■■
	■■■■■■	lower right	■■■■■	lower right	■■■■	■■■	
Average:	■■■■■■		■■■■■		■■■■	■■■	■
SC2003 5004 a (72)	■■■■■■	upper left	■■■■■	upper left	■■■■	■■■	
	■■■■■■	upper centre	■■■■■	upper centre	■■■■	■■■	■■
	■■■■■■	upper right	■■■■■	upper right	■■■■	■■■	■■
	■■■■■■	lower left	■■■■■	lower left	■■■■	■■■	■
	■■■■■■	lower centre	■■■■■	lower centre	■■■■	■■■	■■
	■■■■■■	lower right	■■■■■	lower right	■■■■	■■■	
Average:	■■■■■■		■■■■■		■■■■	■■■	■

SC cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SC2003 5004 b (60)	■■■	upper left	■	upper left	■	■■	
	■■■	upper centre	■■	upper centre	■■	■■■	
	■■■	upper right	■■	upper right	■■	■■■	■■
	■■■	lower left	■■	lower left	■■	■■■	■
	■■■	lower centre	■■■	lower centre	■■■	■■■	
	■■■	lower right	■	lower right	■	■■■	■■
Average:	■■■		■■		■■	■■■	■

SDP cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SDP04T2 960/2034a (144)	■■■■■■	upper left	■■■■	upper left	■■■■	■■	
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■	
	■■■■■■	upper right	■■■■	upper right	■■■■	■■■	■■
	■■■■■■	lower left	■■■■	lower left	■■■■	■	
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■	
	■■■■■■	lower right	■■■■	lower right	■■■■	■	
Average:	■■■■■■		■■■■		■■■■	■■	■
SDP04T2 960/2034b (108)	■■■■■■	upper left	■■■■	upper left	■■■■	■■■	■■
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■	■■
	■■■■■■	upper right	■■■■	upper right	■■■■	■■	
	■■■■■■	lower left	■■■■	lower left	■■■■	■■■	
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■	
	■■■■■■	lower right	■■■■	lower right	■■■■	■	
Average:	■■■■■■		■■■■		■■■■	■■	■

SDP cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SDP04T4 5000/6100 <2>a (80)	■■■■■■■■	upper left	■■■■■	upper left	■■■	■	
	■■■■■■■■	upper centre	■■■■■	upper centre	■■■	■■■	
	■■■■■■■■	upper right	■■■■■	upper right	■■■	■■■	
	■■■■■■■■	lower left	■■■■■	lower left	■■■	■■	
	■■■■■■■■	lower centre	■■■■■	lower centre	■■■	■■■	■
	■■■■■■■■	lower right	■■■■■	lower right	■■■	■■	
Average:	■■■■■■■■		■■■■■		■■■	■■	■
SDP04T4 5000/6100 <2>b (110)	■■■■■■■	upper left	■■■■	upper left	■■■■	■■■	
	■■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■	■
	■■■■■■■	upper right	■■■■	upper right	■■■■	■■■	■■
	■■■■■■■	lower left	■■■■	lower left	■■■■	■■■	■
	■■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■■	
	■■■■■■■	lower right	■■■■	lower right	■■■■	■■■■	■■■
Average:	■■■■■■■		■■■■		■■■■	■■■	■

SDP cont…	Organic Material						
Sample Number (# of squares)	Amorphous					Charcoal	
	Punctuations		Matter				
	Frequency	Location	Frequency	Location	Assoc w/ Fe	< 100um	> 100um
SDP04T4 5000/6280 (3) <3>a (65)	■■■■■■	upper left	■■■■	upper left	■■■■	■■■	
	■■■■■■	upper centre	■■■■	upper centre	■■■■	■■■	
	■■■■■■	upper right	■■■■	upper right	■■■■	■■	
	■■■■■■	lower left	■■■■	lower left	■■■■	■■	
	■■■■■■	lower centre	■■■■	lower centre	■■■■	■■■	■■
	■■■■■■	lower right	■■■■	lower right	■■■■	■■■	■
Average:	■■■■■■		■■■■		■■■■	■■■	■
SDP04T4 5000/6280 (3) <3>b (79)	■■■■	upper left	■■■■■■	upper left	■■■■■	■■■■	
	■■■■	upper centre	■■■■■	upper centre	■■■■■	■■■■	
	■■■■	upper right	■■■■■	upper right	■■■■■	■■■	
	■■■■	lower left	■■■■■	lower left	■■■■■	■■	
	■■■■	lower centre	■■■■	lower centre	■■■	■■	
	■■■■	lower right	■■■■■	lower right	■■■■	■■	■
Average:	■■■■		■■■■■		■■■■■	■■■	■

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled					
	Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Over 04 TD Site 9 [9] (96) <8> a (55)						
Average:						
Over 04 TD Site 9 [9] (96) <8> b (110)						
Average:						

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled					
	Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Over 04 TD Site 9 [9[(98) <9> (160)						
Average:						
Over 04 TD Site 9 <12> (198)						
Average:						

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled					
	Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Over 04 TD Site 9 [11] (107) <14> (150)						
Average:						
Over 04 TD Site 9 [11] (108) <15> (150)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Wan 94 Pr 1/1 (198)						
	■	250	250	lower right	red brown to black	■
Average:	■	**250**	**250**		**red brown to black**	■
Wan 94 Pr 1/2 (264)						
	■	250	250	upper centre	yellow	
Average:	■	**250**	**250**		**yellow**	

Wan cont…	Organic Material continued…					
Sample	Celled					
Number (# of	Lignified					
squares)	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Wan 94 Pr 1/3 a (90)						
Average:						
Wan 94 Pr 1/3 b (99)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Wan 95 Pr 2/1 (198)	■■	250	1300	upper left	yellow to red brown	■■
Average:	■	250	1300	upper left	yellow to red brown	■
Wan 96 Pr 10/1 (198)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Wan 96 Pr 10/2 a (121)						
Average:						
Wan 96 Pr 10/2 b (154)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Marcham Frilford 2004 <9.29> a (89)						
Average:						
Marcham Frilford 2004 <9.29> b (87)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Marcham Frilford 2004 <9.31> a (70)						
Average:						
Marcham Frilford 2004 <9.31> b (28)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Marcham Frilford 2004 <9.33> a (45)						
Average:						
Marcham Frilford 2004 <9.33> b (25)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Marcham Frilford 2004 <9.33> c (38)						
Average:						
Marcham Frilford 2004 <21.5> (99)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Marcham Frilford 2004 <21.6> (96)						
Average:						
Marcham Frilford 2004 <21.7> a (64)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled					
	Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
Marcham Frilford 2004 <21.7> b (32)						
	■■	100	700	upper right	red brown to black	■■
	■■■	50	400	lower left	red brown	■■■
	■■■	200	1100	lower right	red brown	■■■
Average:	■	**117**	**733**		**red brown to black**	■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 107 a (144)	■	600	600	upper left	fresh to yellow	
	■■	200	600	upper centre	red brown to black	■■
	■	250	250	upper right	black	■
	■	300	300	lower left	red brown to black	■
	■■■	150	300	lower right	red brown to black	■■■
Average:	■	**300**	**410**		**red brown to black**	■
SC2003 107 b (60)						
	■	200	200	lower centre	red brown	■
Average:	■	**200**	**200**		**red brown**	■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 106 a (84)						
Average:						
SC2003 106 b (108)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 105 (204)						
Average:						
SC2003 118 a (20)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 118 b (184)						
Average:						
SC2003 119 a (77)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 119 b (110)						
Average:						
SC2003 120 a (108)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 120 b (60)						
Average:						
SC2003 120 c (36)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 5001						
(60)	■■■	150	250	upper centre	red brown to black	■■■
	■	700	700	lower centre	red brown to black	■
Average:	■	**425**	**475**		**red brown to black**	■
SC2003 5002						
(204)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 5003 (112)						
	■■■	200	1000	lower left	yellow to red brown	■■■
	■■■	200	400	lower centre	red brown to black	■■■
	■■■	150	400	lower right	yellow to black	■■■
Average:	■■	**183**	**600**		**yellow to black**	■■
SC2003 5004 a (72)	■■■	200	1000	upper left	red brown to black	■■■
	■■■	170	600	upper centre	red brown to black	■■■
	■■■	200	1000	lower right	yellow to black	■■■
Average:	■■	**190**	**867**		**red brown to black**	■■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SC2003 5004 b (60)						
Average:						

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SDP04T2 960/2034a (144)	■■	250	1000	upper left	fresh	
Average:	■	250	1000		fresh	
SDP04T2 960/2034b (108)						
Average:						

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SDP04T4 5000/6100 <2>a (80)	■■	300	1200	upper left	yellow	■
	■■■	400	900	upper centre	yellow	■
	■■	300	900	lower left	yellow to red brown	■
	■■	400	1400	lower right	yellow to red brown	■
Average:	■■	**350**	**1100**		**yellow to red brown**	■
SDP04T4 5000/6100 <2>b (110)						
	■■	300	900	upper centre	yellow to red brown	■
	■■	200	600	upper right	yellow to red brown	■
	■■	300	1000	lower left	fresh to red brown	■■
	■■	300	700	lower centre	fresh to red brown	■■
Average:	■	**275**	**800**		**yellow to red brown**	■

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled Lignified Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/Fe
SDP04T4 5000/6280 (3) <3>a (65)						
Average:						
SDP04T4 5000/6280 (3) <3>b (79)						
	■■■	200	800	upper right	red brown	■■■
Average:	■	**200**	**800**		**red brown**	■

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9						
[9] (96) <8> a	■	200	200	upper centre	fresh to yellow	■
(55)						
Average:	■	200	200		fresh to yellow	■
Over 04 TD Site 9						
[9] (96) <8> b						
(110)						
Average:						

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [9[(98) <9> (160)						
Average:						
Over 04 TD Site 9 <12> (198)						
Average:						

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [11] (107) <14> (150)						
Average:						
Over 04 TD Site 9 [11] (108) <15> (150)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 94 Pr 1/1 (198)						
	■■■	80	160	lower centre	red brown to black	■■■
Average:	■	**80**	**160**		**red brown to black**	■
Wan 94 Pr 1/2 (264)						
	■■	80	180	upper right	red brown to black	■■
Average:	■	**80**	**180**		**red brown to black**	■

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 94 Pr 1/3 a (90)						
Average:						
Wan 94 Pr 1/3 b (99)						
	■■■	150	600	lower left	yellow to red brown	■■■
	■■■	50	170	lower centre	red brown to black	■■■
Average:	■	**100**	**385**		**yellow to black**	■

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 95 Pr 2/1 (198)						
Average:						
Wan 96 Pr 10/1 (198)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 96 Pr 10/2 a (121)						
Average:						
Wan 96 Pr 10/2 b (154)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.29> a (89)						
Average:						
Marcham Frilford 2004 <9.29> b (87)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.31> a (70)						
Average:						
Marcham Frilford 2004 <9.31> b (28)						
	■	100	100	upper right	red brown	■
Average:	■	**100**	**100**		**red brown**	■

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.33> a (45)						
Average:						
Marcham Frilford 2004 <9.33> b (25)						
	■■■	70	110	upper right	red brown to black	■■■
	■■	100	150	lower centre	red brown to black	■■
Average:	■	**85**	**130**		**red brown to black**	■

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.33> c (38)						
Average:						
Marcham Frilford 2004 <21.5> (99)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <21.6> (96)						
Average:						
Marcham Frilford 2004 <21.7> a (64)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <21.7> b (32)	■■■■	50	150	upper left	red brown	■■■■
	■■■	50	160	upper centre	red brown	■■■■
	■■■	50	400	upper right	red brown to black	■■■
	■■■■	50	300	lower left	red brown	■■■■
	■■■■	50	200	lower centre	red brown	■■■■
	■■■■	50	300	lower right	red brown	■■■■
Average:	■■■■	**50**	**252**		**red brown to black**	■■■■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 107 a (144)						
Average:						
SC2003 107 b (60)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 106 a (84)						
	■■	50	150	lower centre	yellow to red brown	■■
	■	150	150	lower right	yellow to red brown	■
Average:	■	**100**	**150**		**yellow to red brown**	■
SC2003 106 b (108)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 105 (204)						
Average:						
SC2003 118 a (20)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 118 b (184)						
Average:						
SC2003 119 a (77)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 119 b (110)						
Average:						
SC2003 120 a (108)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 120 b (60)						
Average:						
SC2003 120 c (36)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5001 (60)						
	■■■	80	500	lower left	red brown to black	■■■
	■	150	150	lower centre	red brown to black	■
Average:	■	**115**	**325**		**red brown to black**	■
SC2003 5002 (204)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5003 (112)						
Average:						
SC2003 5004 a (72)						
	■■	50	200	upper centre	red brown to black	■■
	■■■	50	250	lower right	red brown to black	■■■
Average:	■	**50**	**225**		**red brown to black**	■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5004 b (60)						
Average:						

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T2 960/2034a (144)	■	50	50	upper left	fresh to yellow	
	■■■	200	700	upper centre	fresh to yellow	■
	■■■	150	600	upper right	fresh to yellow	■■
	■■	200	300	lower left	fresh to yellow	■
	■■	200	500	lower centre	fresh to yellow	
	■■■	200	400	lower right	fresh to black	■■
Average:	■■	**167**	**425**		**fresh to yellow**	■
SDP04T2 960/2034b (108)	■	150	150	upper left	red brown to black	■
	■	220	220	upper centre	fresh to yellow	■
	■■	30	110	lower centre	red brown	■■
Average:	■	**133**	**160**		**red brown to black**	■

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T4 5000/6100 <2>a (80)	■■■■	50	300	upper left	yellow to red brown	■■
	■■■■	50	600	upper centre	yellow to red brown	■■
	■■■■	100	800	upper right	yellow to red brown	■■■
	■■■	50	500	lower left	yellow to red brown	■■
	■■■	100	600	lower centre	yellow to red brown	■■
	■■■■	100	600	lower right	yellow to red brown	■■■
Average:	**■■■■**	**75**	**567**		**yellow to red brown**	**■■**
SDP04T4 5000/6100 <2>b (110)	■■■	60	300	upper left	yellow to red brown	■■
	■■■■	50	500	upper centre	yellow to red brown	■■■
	■■■	70	300	upper right	yellow to red brown	■■■
	■■■	100	600	lower left	yellow to red brown	■■■
	■■■	100	600	lower centre	yellow to red brown	■■■
	■■■■	100	600	lower right	yellow to red brown	■■■■
Average:	**■■■**	**80**	**483**		**yellow to red brown**	**■■■**

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Parenchymatic					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T4 5000/6280 (3) <3>a (65)						
Average:						
SDP04T4 5000/6280 (3) <3>b (79)						
	■■■	200	350	upper right	fresh to red brown	■■■
	■■	50	180	lower centre	red brown	■■
	■■■■	100	400	lower right	red brown to black	■■■
Average:	■■	**117**	**310**		**red brown to black**	■

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [9] (96) <8> a (55)						
Average:						
Over 04 TD Site 9 [9] (96) <8> b (110)						
Average:						

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [9[(98) <9> (160)						
Average:						
Over 04 TD Site 9 <12> (198)						
Average:						

Over cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [11] (107) <14> (150)						
Average:						
Over 04 TD Site 9 [11] (108) <15> (150)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 94 Pr 1/1 (198)						
Average:						
Wan 94 Pr 1/2 (264)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 94 Pr 1/3 a (90)						
Average:						
Wan 94 Pr 1/3 b (99)						
	■■■	150	400	lower left	red brown	■■■
Average:	■	**150**	**400**		**red brown**	■

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 95 Pr 2/1 (198)	■■	250	1300	upper left	red brown	■■
Average:	■	250	1300		red brown	■
Wan 96 Pr 10/1 (198)						
Average:						

Wan cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 96 Pr 10/2 a (121)						
Average:						
Wan 96 Pr 10/2 b (154)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.29> a (89)						
Average:						
Marcham Frilford 2004 <9.29> b (87)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.31> a (70)						
Average:						
Marcham Frilford 2004 <9.31> b (28)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.33> a (45)						
Average:						
Marcham Frilford 2004 <9.33> b (25)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.33> c (38)						
Average:						
Marcham Frilford 2004 <21.5> (99)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <21.6> (96)						
Average:						
Marcham Frilford 2004 <21.7> a (64)						
Average:						

MF cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <21.7> b (32)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 107 a (144)						
Average:						
SC2003 107 b (60)						
	■	200	200	upper centre	red brown	■
	■■	100	200	upper right	red brown	■■
Average:	■	**150**	**200**		**red brown**	■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 106 a (84)						
Average:						
SC2003 106 b (108)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 105 (204)						
Average:						
SC2003 118 a (20)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 118 b (184)						
Average:						
SC2003 119 a (77)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 119 b (110)						
Average:						
SC2003 120 a (108)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 120 b (60)						
Average:						
SC2003 120 c (36)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5001 (60)						
Average:						
SC2003 5002 (204)						
Average:						

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5003 (112)						
Average:						
SC2003 5004 a (72)						
	■■■	150	300	upper centre	red brown	■■■
	■■	50	150	upper right	red brown	■■
Average:	■	**100**	**225**		**red brown**	■

SC cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5004 b (60)						
Average:						

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T2 960/2034a (144)						
Average:						
SDP04T2 960/2034b (108)						
Average:						

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T4 5000/6100 <2>a (80)	■■■	50	1200	upper left	yellow to red brown	■■
	■■■■	50	900	upper centre	yellow to red brown	■■■
	■■■■	100	800	upper right	yellow to red brown	■■■
	■■■	50	900	lower left	yellow to red brown	■■
	■■■	100	600	lower centre	yellow to red brown	■■
	■■■■	100	1400	lower right	yellow to red brown	■■■
Average:	■■■■	**75**	**967**		**yellow to red brown**	■■■
SDP04T4 5000/6100 <2>b (110)	■■■	60	300	upper left	yellow to red brown	■■■
	■■■■	100	900	upper centre	yellow to red brown	■■■■
	■■■■	100	500	upper right	yellow to red brown	■■■■
	■■■■	100	1000	lower left	yellow to red brown	■■■■
	■■■■	100	700	lower centre	yellow to red brown	■■■■
	■■■■	100	600	lower right	yellow to red brown	■■■■
Average:	■■■■	**93**	**667**		**yellow to red brown**	■■■■

SDP cont…	Organic Material continued…					
Sample Number (# of squares)	Celled continued…					
	Phlobaphene					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T4 5000/6280 (3) <3>a (65)						
Average:						
SDP04T4 5000/6280 (3) <3>b (79)						
	■■■	200	800	upper right	red brown	■■■
Average:	■	**200**	**800**		**red brown**	■

Over cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [9] (96) <8> a (55)						
Average:						
Over 04 TD Site 9 [9] (96) <8> b (110)						
Average:						

Over cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [9[(98) <9> (160)						
Average:						
Over 04 TD Site 9 <12> (198)	■	50	50	upper left	red brown to black	■
Average:	■	**50**	**50**		**red brown to black**	■

Over cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Over 04 TD Site 9 [11] (107) <14> (150)						
Average:						
Over 04 TD Site 9 [11] (108) <15> (150)						
	■■	40	50	lower right	red brown to black	■■
Average:	■	**40**	**50**		**red brown to black**	■

Wan cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 94 Pr 1/1 (198)	■	60	60	upper left	red brown to black	■
	■	50	50	upper centre	red brown to black	■
	■■■	60	80	upper right	red brown to black	■■■
Average:	■	**57**	**63**		**red brown to black**	■
Wan 94 Pr 1/2 (264)						
Average:						

Wan cont…	**Organic Material contiued…**					
Sample Number (# of squares)	**Plectenchyma (Fungi)**					
	Frequency	**Minimum (µm)**	**Maximum (µm)**	**Location**	**Preservation**	**Assoc w/ Fe**
Wan 94 Pr 1/3 a (90)						
Average:						
Wan 94 Pr 1/3 b (99)						
	■■	50	70	lower left	red brown to black	■■
Average:	■	**50**	**70**		**red brown to black**	■

Wan cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 95 Pr 2/1 (198)	■■■	40	60	upper left	red brown to black	■■■
	■■	50	60	upper right	red brown to black	■■
	■	60	60	lower centre	red brown to black	■
	■■	50	60	lower right	red brown to black	■■
Average:	■	**50**	**60**		**red brown to black**	■
Wan 96 Pr 10/1 (198)						
Average:						

Wan cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Wan 96 Pr 10/2 a (121)						
	■■	40	60	lower left	red brown to black	■■
	■■	60	70	lower centre	red brown to black	■■
Average:	■	**50**	**65**		**red brown to black**	■
Wan 96 Pr 10/2 b (154)						
Average:						

MF cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.29> a (89)						
	■	50	50	lower left	red brown to black	■
	■	40	40	lower centre	red brown to black	■
Average:	■	**45**	**45**		**red brown to black**	■
Marcham Frilford 2004 <9.29> b (87)						
Average:						

MF cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.31> a (70)	■	50	50	upper left	red brown to black	■
	■■	40	50	upper centre	red brown to black	■■
Average:	■	**45**	**50**		**red brown to black**	■
Marcham Frilford 2004 <9.31> b (28)						
	■■	40	50	upper centre	red brown to black	■■
	■■	40	50	upper right	red brown to black	■■
	■■	40	50	lower left	red brown to black	■■
	■	60	60	lower centre	red brown to black	■
Average:	■	**45**	**53**		**red brown to black**	■

MF cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.33> a (45)						
	■■	40	50	lower centre	red brown to black	■■
Average:	■	**40**	**50**		**red brown to black**	■
Marcham Frilford 2004 <9.33> b (25)						
	■	70	70	upper centre	red brown to black	■
Average:	■	**70**	**70**		**red brown to black**	■

MF cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <9.33> c (38)	■■	40	50	upper left	red brown to black	■■
Average:	■	40	50		red brown to black	■
Marcham Frilford 2004 <21.5> (99)						
Average:						

MF cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <21.6> (96)						
Average:						
Marcham Frilford 2004 <21.7> a (64)						
Average:						

MF cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
Marcham Frilford 2004 <21.7> b (32)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 107 a (144)						
Average:						
SC2003 107 b (60)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 106 a (84)						
Average:						
SC2003 106 b (108)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 105 (204)						
Average:						
SC2003 118 a (20)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 118 b (184)						
Average:						
SC2003 119 a (77)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 119 b (110)						
Average:						
SC2003 120 a (108)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 120 b (60)						
Average:						
SC2003 120 c (36)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5001 (60)						
Average:						
SC2003 5002 (204)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5003 (112)						
Average:						
SC2003 5004 a (72)						
Average:						

SC cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SC2003 5004 b (60)						
Average:						

SDP cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T2 960/2034a (144)						
	■■■	50	150	upper right	red brown	■■■
	■■	30	60	lower left	red brown	■■
	■■■	30	50	lower centre	red brown	■■■
	■■■	30	50	lower right	red brown	■■■
Average:	■■	**35**	**78**		**red brown**	■■
SDP04T2 960/2034b (108)	■■■	30	60	upper left	red brown	■■■
	■■■	30	50	lower left	red brown to black	■■■
	■■■■	50	60	lower centre	red brown to black	■■■■
	■■■■	30	60	lower right	red brown to black	■■■■
Average:	■■	**35**	**58**		**red brown to black**	■■

SDP cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T4 5000/6100 <2>a (80)	■■■■	30	70	upper left	red brown to black	■■■
	■■■■	30	60	upper centre	red brown to black	■■■
	■■■■	40	70	upper right	red brown to black	■■■
	■■■	30	60	lower left	red brown to black	■■
	■■■	30	60	lower centre	red brown to black	■■
	■■■■	40	70	lower right	red brown to black	■■■
Average:	■■■■	**33**	**65**		**red brown to black**	■■■
SDP04T4 5000/6100 <2>b (110)	■■■	30	80	upper left	red brown to black	■■■
	■■■■	50	70	upper centre	red brown to black	■■■■
	■■■■	50	70	upper right	red brown to black	■■■■
	■■■	50	70	lower left	red brown to black	■■■
	■■■	50	60	lower centre	red brown to black	■■■
	■■■■	50	70	lower right	red brown to black	■■■■
Average:	■■■■	**47**	**70**		**red brown to black**	■■■■

SDP cont…	Organic Material contiued…					
Sample Number (# of squares)	Plectenchyma (Fungi)					
	Frequency	Minimum (µm)	Maximum (µm)	Location	Preservation	Assoc w/ Fe
SDP04T4 5000/6280 (3) <3>a (65)	■■■	30	50	upper left	red brown to black	■■■
	■■	30	50	upper centre	red brown to black	■■
	■■	50	70	upper right	red brown to black	■■
	■■	30	60	lower centre	red brown to black	■■
Average:	■■	**35**	**58**		**red brown to black**	■■
SDP04T4 5000/6280 (3) <3>b (79)	■■■■■	30	70	upper left	red brown to black	■■■■■
	■■■■	30	60	upper centre	red brown to black	■■■■
	■■■■	30	70	upper right	red brown to black	■■■■
	■■■■■■	30	80	lower left	red brown to black	■■■■■■
	■■■■	30	60	lower centre	red brown to black	■■■■
	■■■■	40	70	lower right	red brown to black	■■■■
Average:	■■■■■	**32**	**68**		**red brown to black**	■■■■

Over cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Over 04 TD Site 9 [9] (96) <8> a (55)					
Average:					
Over 04 TD Site 9 [9] (96) <8> b (110)					
Average:					

Over cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Over 04 TD Site 9 [9[(98) <9> (160)					
	■■	30	80	lower centre	■■
Average:	■	**30**	**80**		■
Over 04 TD Site 9 <12> (198)					
Average:					

Over cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Over 04 TD Site 9 [11] (107) <14> (150)					
	■	50	50	upper right	■
	■■	30	40	lower left	■■
Average:	■	**40**	**45**		■
Over 04 TD Site 9 [11] (108) <15> (150)					
Average:					

Wan cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Wan 94 Pr 1/1 (198)	■	50	50	upper left	■
	■■■	30	50	upper right	■■■
	■■	50	70	lower left	■■
Average:	■	**43**	**57**		■
Wan 94 Pr 1/2 (264)	■■	30	40	upper left	■■
	■■	30	40	upper right	■■
	■■	30	40	lower left	■■
Average:	■	**30**	**40**		■

Wan cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Wan 94 Pr 1/3 a (90)					
Average:					
Wan 94 Pr 1/3 b (99)					
Average:					

Wan cont…	**Organic Material continued…**				
Sample Number (# of squares)	**Pollen**				
	Frequency	**Minimum (µm)**	**Maximum (µm)**	**Location**	**Assoc w/ Fe**
Wan 95 Pr 2/1 (198)					
Average:					
Wan 96 Pr 10/1 (198)					
	■	30	30	lower centre	■
	■■	40	59	lower right	■■
Average:	■	**35**	**45**		■

Wan cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Wan 96 Pr 10/2 a (121)					
Average:					
Wan 96 Pr 10/2 b (154)					
	■■	30	40	lower centre	■■
Average:	■	**30**	**40**		■

MF cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Marcham Frilford 2004 <9.29> a (89)					
Average:					
Marcham Frilford 2004 <9.29> b (87)					
Average:					

MF cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Marcham Frilford 2004 <9.31> a (70)					
	■■	30	50	upper centre	■■
	■■	30	40	upper right	■■
Average:	■	**30**	**45**		■
Marcham Frilford 2004 <9.31> b (28)					
	■■	30	40	lower right	■
Average:	■	**30**	**40**		■

MF cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Marcham Frilford 2004 <9.33> a (45)					
	■■	30	70	upper right	■■
Average:	■	**30**	**70**		■
Marcham Frilford 2004 <9.33> b (25)					
	■	40	40	upper centre	■
Average:	■	**40**	**40**		■

MF cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Marcham Frilford 2004 <9.33> c (38)					
Average:					
Marcham Frilford 2004 <21.5> (99)					
Average:					

MF cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Marcham Frilford 2004 <21.6> (96)					
Average:					
Marcham Frilford 2004 <21.7> a (64)					
Average:					

MF cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
Marcham Frilford 2004 <21.7> b (32)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 107 a (144)					
	■■	80	100	lower left	■
Average:	■	80	100		■
SC2003 107 b (60)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 106 a (84)					
Average:					
SC2003 106 b (108)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 105 (204)					
Average:					
SC2003 118 a (20)					
	■	80	80	lower centre	■
Average:	■	**80**	**80**		■

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 118 b (184)					
Average:					
SC2003 119 a (77)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 119 b (110)					
Average:					
SC2003 120 a (108)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 120 b (60)					
Average:					
SC2003 120 c (36)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 5001 (60)					
Average:					
SC2003 5002 (204)					
Average:					

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 5003 (112)					
Average:					
SC2003 5004 a (72)					
	■	40	40	upper right	■
Average:	■	40	40		■

SC cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SC2003 5004 b (60)					
Average:					

SDP cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SDP04T2 960/2034a (144)	■■■■	30	40	upper left	■■■■
	■■■■	30	40	upper centre	■■■■
	■■	30	40	upper right	■■
	■■■	30	90	lower left	■■■
	■■■	30	90	lower centre	■■■
	■■	30	40	lower right	■■
Average:	■■■	**30**	**57**		■■■
SDP04T2 960/2034b (108)	■■■	30	60	upper left	■■■
	■■	30	80	upper centre	■■
	■■	30	80	upper right	■■
	■■■	30	60	lower left	■■■
	■■	30	40	lower centre	■■
Average:	■■	**30**	**64**		■■

SDP cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SDP04T4 5000/6100 <2>a (80)					
Average:					
SDP04T4 5000/6100 <2>b (110)					
Average:					

SDP cont…	Organic Material continued…				
Sample Number (# of squares)	Pollen				
	Frequency	Minimum (µm)	Maximum (µm)	Location	Assoc w/ Fe
SDP04T4 5000/6280 (3) <3>a (65)					
Average:					
SDP04T4 5000/6280 (3) <3>b (79)					
Average:					

Over cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Over 04 TD Site 9 [9] (96) <8> a (55)									
Average:									
Over 04 TD Site 9 [9] (96) <8> b (110)									
Average:									

Over cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Over 04 TD Site 9 [9[(98) <9> (160)									
Average:									
Over 04 TD Site 9 <12> (198)									
Average:									

Over cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Over 04 TD Site 9 [11] (107) <14> (150)									
Average:									
Over 04 TD Site 9 [11] (108) <15> (150)									
Average:									

Wan cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Wan 94 Pr 1/1 (198)									
Average:									
Wan 94 Pr 1/2 (264)									
Average:									

Wan cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Wan 94 Pr 1/3 a (90)									
Average:									
Wan 94 Pr 1/3 b (99)									
Average:									

Wan cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Wan 95 Pr 2/1 (198)									
Average:									
Wan 96 Pr 10/1 (198)									
Average:									

Wan cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Wan 96 Pr 10/2 a (121)									
Average:									
Wan 96 Pr 10/2 b (154)									
Average:									

MF cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Marcham Frilford 2004 <9.29> a (89)									
Average:									
Marcham Frilford 2004 <9.29> b (87)									
Average:									

MF cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Marcham Frilford 2004 <9.31> a (70)									
Average:									
Marcham Frilford 2004 <9.31> b (28)									
Average:									

MF cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Marcham Frilford 2004 <9.33> a (45)									
Average:									
Marcham Frilford 2004 <9.33> b (25)									
Average:									

MF cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Marcham Frilford 2004 <9.33> c (38)									
Average:									
Marcham Frilford 2004 <21.5> (99)									
Average:									

MF cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Marcham Frilford 2004 <21.6> (96)									
Average:									
Marcham Frilford 2004 <21.7> a (64)									
Average:									

MF cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
Marcham Frilford 2004 <21.7> b (32)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 107 a (144)									
Average:									
SC2003 107 b (60)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 106 a (84)									
Average:									
SC2003 106 b (108)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 105 (204)									
Average:									
SC2003 118 a (20)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 118 b (184)									
Average:									
SC2003 119 a (77)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 119 b (110)									
Average:									
SC2003 120 a (108)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 120 b (60)									
Average:									
SC2003 120 c (36)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 5001 (60)									
Average:									
SC2003 5002 (204)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 5003 (112)									
Average:									
SC2003 5004 a (72)									
Average:									

SC cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SC2003 5004 b (60)									
Average:									

SDP cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SDP04T2 960/2034a (144)									
Average:									
SDP04T2 960/2034b (108)									
Average:									

SDP cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SDP04T4 5000/6100 <2>a (80)									
				■■■		mites	30	50	lower centre
				■■■		mites	30	50	lower right
Average:				■		**mites**	**30**	**50**	
SDP04T4 5000/6100 <2>b (110)									
				■■■		mites	30	50	upper centre
				■■■		mites	30	50	lower left
				■■■■		mites	30	50	lower right
Average:				■		**mites**	**30**	**50**	

SDP cont…	Other Pedofeatures								
Sample Number (# of squares)	Bioturbation (measured from whole sample)			Excrement/excretions					
	Frequency	Location	Size (µm)	Frequency	Crystallitic	Faeces	Minimum (µm)	Maximum (µm)	Location
SDP04T4 5000/6280 (3) <3>a (65)									
Average:									
SDP04T4 5000/6280 (3) <3>b (79)									
Average:									

Over cont…	Comments on whole sample
Sample Number (# of squares)	
Over 04 TD Site 9 **[9] (96) <8> a** **(55)**	small fragment of uncharred reddened bone 570um in lower left; small fragment of uncharred bone 300um lower centre; phytoliths present thruout - square, rectangular, elongate, triangular, serrated, spiny - some interconnected
Average:	**As above**
Over 04 TD Site 9 **[9] (96) <8> b** **(110)**	Layer of ash, which accounts for the lighter colouring - some areas more concentrated than others - suggesting disturbance of original deposition - mottled appearance; phytoliths present thruout all shapes, some interconnected; some vivianite in upper left but not crystal-like, more amorphous in shape
Average:	**As above**

Over cont… Sample Number (# of squares)	Comments on whole sample
Over 04 TD Site 9 **[9[(98) <9>** **(160)**	Some ash; phytoliths thruout - all shapes - some interconnected; some vivianite in upper right
Average:	**As above**
Over 04 TD Site 9 **<12>** **(198)**	phytoliths thruout; Ca-P crypto-crystalline infills upper and lower centre (from bones)
Average:	**As above**

Over cont…	Comments on whole sample
Sample Number (# of squares)	
Over 04 TD Site 9 **[11] (107) <14>** **(150)**	phytoliths thruout; Ca-P crypto-crystalline infills lower left (from bones)
Average:	**As above**
Over 04 TD Site 9 **[11] (108) <15>** **(150)**	Ca-P crypto-crystalline infills thruout (from bones); phytoliths thruout (not as many as other samples)
Average:	**As above**

Wan cont…	Comments on whole sample
Sample Number (# of squares)	
Wan 94 Pr 1/1 (198)	
Average:	
Wan 94 Pr 1/2 (264)	
Average:	

Wan cont…	Comments on whole sample
Sample Number (# of squares)	
Wan 94 Pr 1/3 a **(90)**	
Average:	
Wan 94 Pr 1/3 b **(99)**	very little calcite in this layer compared with other samples
Average:	**As above**

Wan cont…	Comments on whole sample
Sample Number (# of squares)	
Wan 95 Pr 2/1 (198)	
Average:	
Wan 96 Pr 10/1 (198)	
Average:	

Wan cont…	Comments on whole sample
Sample Number (# of squares)	
Wan 96 Pr 10/2 a (121)	
Average:	
Wan 96 Pr 10/2 b (154)	
Average:	

MF cont…	Comments on whole sample
Sample Number (# of squares)	
Marcham Frilford **2004 <9.29> a** **(89)**	This layer is Fe rich but the clay itself is impregnated with Fe - not nec masking, but mixed in with it.
Average:	**As above**
Marcham Frilford **2004 <9.29> b** **(87)**	This layer more like Fe pan - ie the Fe is masking pure (grey) clay
Average:	**As above**

MF cont…	Comments on whole sample
Sample Number (# of squares)	
Marcham Frilford **2004 <9.31> a** **(70)**	
Average:	
Marcham Frilford **2004 <9.31> b** **(28)**	
Average:	

MF cont…	Comments on whole sample
Sample Number (# of squares)	
Marcham Frilford **2004 <9.33> a** **(45)**	
Average:	
Marcham Frilford **2004 <9.33> b** **(25)**	Fe pan has many organics being replaced by Fe - pan 7 cm diagonal length across slide; 1cm thick - moderate to strong panning
Average:	**As above**

MF cont…	Comments on whole sample
Sample Number (# of squares)	
Marcham Frilford **2004 <9.33> c** **(38)**	
Average:	
Marcham Frilford **2004 <21.5>** **(99)**	
Average:	

MF cont…	Comments on whole sample
Sample Number (# of squares)	
Marcham Frilford **2004 <21.6>** **(96)**	
Average:	
Marcham Frilford **2004 <21.7> a** **(64)**	bone present in upper left
Average:	**As above**

MF cont…	Comments on whole sample
Sample Number (# of squares)	
Marcham Frilford **2004 <21.7> b** **(32)**	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 107 a (144)	
Average:	
SC2003 107 b (60)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 106 a (84)	
Average:	
SC2003 106 b (108)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 105 **(204)**	rich in Manganese, both diffuse and sharp nodles, and staining
Average:	**As above**
SC2003 118 a **(20)**	amorph org matter - some sparkle w/ RL - could either be charcoal or Mn replacement - amorph replacement - part of breaking down process of orgs - a lot of assoc Fe oxidation
Average:	**As above**

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 118 b (184)	
Average:	
SC2003 119 a (77)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 119 b (110)	
Average:	
SC2003 120 a (108)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 120 b (60)	
Average:	
SC2003 120 c (36)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 5001 (60)	
Average:	
SC2003 5002 (204)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 5003 (112)	
Average:	
SC2003 5004 a (72)	
Average:	

SC cont…	Comments on whole sample
Sample Number (# of squares)	
SC2003 5004 b (60)	
Average:	

SDP cont…	Comments on whole sample
Sample Number (# of squares)	
SDP04T2 960/2034a (144)	Sample has Fe pan separating two layers - above the bulk of the pan is a fine clay layer that has been leached of most of it's iron - there is also a lot of Fe replacement of organic material and other fresh to yellow organic material present. This is typical of Fe pan formation. Upper layer is more oragnic rich, lower layer more Fe rich.
Average:	**As above**
SDP04T2 960/2034b (108)	
Average:	

SDP cont…	Comments on whole sample
Sample Number (# of squares)	
SDP04T4 5000/6100 <2>a (80)	very fine grained material, very few large minerals; ie mostly silt sized to very fine sand sized grains; phytoliths present thruout
Average:	**As above**
SDP04T4 5000/6100 <2>b (110)	more mixed in grain size - medium to coarse sand size grains common thruout; phytoliths present thruout; some very cool looking phytoliths - shape of flower with big centre
Average:	**As above**

SDP cont…	Comments on whole sample
Sample Number (# of squares)	
SDP04T4 5000/6280 (3) <3>a **(65)**	phytoliths present thruout; organic coatings of voids in lower right
Average:	**As above**
SDP04T4 5000/6280 (3) <3>b **(79)**	phytoliths present thruout; organic coatings of voids in lower right
Average:	**As above**