

SCHEDULE OF PITS

SCHEDULE OF AUGER BORINGS

Boring/Pit No and Grid Ref.	Land Use and Relief	Soil Profile Description	ALC Grade
Pit 1 (at boring 8)	Slight slope, stubble	0-30 MZCL, 10 YR 5/2. Very slightly stony - chalk fragments. 30-65 Soft, chalk - dry and dirty. Sharp boundary between top and subsoils. Weathered chalk blocks becoming larger with depth. Few roots noticed at 50 cm. Drought	3b.
Pit 2 (at boring 26)	Cereals. surface stones	0-30 HZCL, 2.5 Y 5/2, pH 7.0. Strongly calcareous. 5% very small weathered chalk fragments. Few roots. Cultivated layer. 30-120+ HZCL, 2.5 Y 7/2, pH 7.0. No stones. Chalk marl. Granular and disaggregated with some small angular blocks with much friable material. Pods are angular blocks - very coarse to coarse. Moderately weak consistence. Friable. Moderate structure. 0.5% biopores. Not SPL wetness class I. Topsoil texture [2.]	
Pit 3 (at boring 56)		30-40 C, coarse subangular blocky. Firm. Moderately to strongly developed. 1% macropores. Moderate structure. Not slowly permeable. 2.5 Y 4/2 matrix with 10 YR 3/2.	

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Pit 7 (at boring 142)	Gently undulating pasture	40+ C, coarse to very coarse granular. Friable. 1% macropores. Roots present to 60 cm. 5-10% flint stones. Very weakly developed. Many chalk fragments. At 45-55 cm chalk layer is very hard. Water table at 55 cm. 2.5 Y 5/2, 2.5 Y 5/4 with mottles 10 YR 5/6. NOT SPL. <i>Wetness class II</i>	3a.
Pit 8 (at boring 159)	Level, wheat	0-15 MC, organic, 10 YR 3/2 with paler, ochreous mottles. 15-60+ HC, 2.5 Y 5/2 matrix. 7.5 YR 5/8 mottles. Coarse subangular blocky. Moderately weak consistence. Weakly developed. 0.5% pores. Slowly permeable. <i>Wetness class IV</i> 0-28 (20 cm). MC, 10 YR 4/2 with packets of 10 YR 6/4. 2% calcareous. Few chalk fragments. 28-50 HC, 2.5 Y 4/0 matrix. 10 YR 5/6 ochreous mottles. 2% calcareous. Very few chalk fragments. Moderately well developed. Sub angular blocky. Firm. 1% biopores. Not slowly permeable. 50-70+ MC, 10 YR 6/1 matrix. 10 YR 5/6 mottles. Becoming paler with depth.	3b.

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PIT 9 (at boring 161)	Level, wheat	<p>Much chalky material. Very calcareous (10%). Structure difficult to assess due to stones - possibly moderately developed, coarse subangular blocky. 1% pores. 20% stone flints, some of which 5 cm. Not slowly permeable.</p> <p><i>Webness class II</i></p> <p>0-43 HCL, 10 YR 3/1. Much organic matter. 1% calcareous. 1% 2 cm stones, 2% 2 cm stones. Gradual transition to gleyed lower horizon.</p> <p>43-80+ C, 10 YR 5/2, 2.5 Y 5/2 matrix. 10 YR 4/6 ochreous mottles. 5% calcareous. Becoming increasingly pale and chalky with depth. Some very small stones. Coarse, subangular blocky. Moderately well developed. Firm consistence 0.5-1% biopores. Not slowly permeable.</p> <p><i>Webness class II</i></p>	<p>3a.</p> <p>3a.</p>

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Pit 4 (at boring 66)		<p>0-25 HCL, organic, 10 YR 3/1. Moderately calcareous.</p> <p>25-40 C, 10 YR 5/3. Weak. Coarse subangular blocky. Friable. 0.5% biopores. Moderate structure. Few distinct ochreous grey mottles. Stone layer of flints at 40 cm - approximately 20% small and angular. Slowly permeable.</p> <p>40-55 FSCL, 2.5 Y 5/4. Slightly calcareous. Few distinct ochreous grey mottles. 0.5% biopores. Weakly developed. Coarse subangular blocky. Friable. Moderate structure.</p> <p>55-75 MFSCl, 10 YR 5/8, 2.5 Y 5/2. Weakly developed. Subangular blocky. Friable.</p> <p>75+ FSCL, 5 Y 5/2. 0.5% biopores. Weakly developed. Coarse subangular blocky. Friable.</p>	
Pit 5 (at boring 97)	Level, grass	<p>wetness class IV</p> <p>0-22 HC, 10 YR 3/2. Non calcareous.</p> <p>22-60 HC, 2.5 Y 4/2 matrix. 5Y 5/1, 10 YR 6/8 mottles. 2% calcareous. Moderately well developed. Coarse angular blocky to coarse prismatic.</p>	3b.

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Pit 6 (at boring 112)	Slight slope, wheat	Some fine angular blocky peds. 0.5% biopores. Slowly permeable.	
		60-110+ HC, 10 YR 6/2 matrix. 5Y 6/1, 10 YR 6/8 mottles. Few chalk fragments.	
		0-25 MC, 2.5 Y 4/2. Non calcareous.	3b.
		25-60 C, 2.5 Y 6/2 + 2.5 Y 5/4 5/4 matrix. 7.5 YR 5/8 mottles. Coarse angular blocky. 0.5% biopores. Moderately to weakly developed (difficult to determine). Slowly permeable.	
		60-90+ C, 2.5 Y 5/4 + 2.5 Y 6/0 6/0. 2.5 Y 5/6 mottles.	3b.

Witness class IV

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