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Crawley Borough Local Plan
Agricultural Land Classification
ALC Map and Report
March 1994

CRAWLEY BOROUGH LOCAL PLAN
AGRICULTURAL LAND CLASSIFICATION REPORT

1. Summary

1.1 During February 1994, an Agricultural Land Classification (ALC), survey was carried out on approximately 128 hectares of land immediately to the north-east of Crawley, West Sussex. ADAS was commissioned by MAFF to determine the quality of land under consideration for inclusion in the Crawley Borough Local Plan.

1.2 The survey was undertaken at a detailed level of approximately one boring per hectare. A total of 86 borings and six soil inspection pits were described in accordance with MAFF's revised guidelines and criteria for grading the quality of agricultural land, (MAFF, 1988). These guidelines provide a framework for classifying land according to the extent to which its physical or chemical characteristics impose long term limitations on its use for agriculture.

At the time of survey most of the western part of the site was in permanent grassland being grazed by cattle and horses. Land to the east of the B2036, Balcombe Road, was in a mixture of cereal cropping and set-aside.

1.3 The distribution of grades and subgrades is shown on the attached ALC map and the areas and extent are given in the table below. The map has been drawn at a scale of 1:10,000. It is accurate at this scale, but any enlargement may be misleading.

Table 1 : Distribution of Grades and Subgrades

		Area (ha)	% total agricultural area
Grade	2	5.0	6.0
	3b	75.5	91.3
	4	2.2	2.7
Total agricultural area		82.7	100%
Non-agricultural		3.8	
Woodland		31.4	
Farm Buildings		0.4	
Urban		4.7	
Not surveyed		5.0	
Total area of site		128.0 ha	

1.4 Appendix 1 gives a general description of the grades, subgrades and land-use categories identified in the survey.

1.5 The land surveyed has been classified predominantly moderate, (Subgrade 3b) quality with smaller areas of Grades 2 and 4. A considerable proportion of the total site area has been mapped as non-agricultural land uses, such as woodland or urban. The ALC grading of the site is primarily determined by soil wetness limitations. Across most of area surveyed soils comprise silty clay loam topsoils overlying gleyed and slowly permeable silty clay loam and silty clay subsoils derived from deposits of

Tunbridge Wells Sand. These significantly impede soil drainage. Where land has been assigned to grade 2, soils are lighter and more sandy and thereby better drained. They are affected by only slight soil wetness problems. Grade 4 land has been mapped where disturbance has occurred and a micro-relief limitation has resulted.

2. Climate

2.1 Estimates of climatic variables relevant to the assessment of agricultural land quality were obtained by interpolation from a 5km grid point dataset (Met. Office, 1989) for representative locations in the survey area.

Climatic Interpolations

Grid Reference	TQ 289387	TQ 300393
Altitude, (m, AOD)	65	75
Accumulated Temperature (°days, Jan-June)	1451	1439
Average Annual Rainfall (mm)	799	795
Field Capacity Days	170	169
Moisture deficit, wheat (mm)	104	104
Moisture deficit, potatoes (mm)	96	95

2.2 Climatic factors are considered first when classifying land since climate can be overriding in the sense that adverse climatic conditions may restrict land quality irrespective of favourable site and soil conditions. The details in the table above show that there is no overall climatic limitation affecting this site. In addition, no local climatic factors such as exposure or frost risk affect the land quality.

2.3 However, climatic factors do interact with soil factors to influence soil wetness and droughtiness limitations. At this locality, average annual rainfall and field capacity days are relatively high in regional terms, whilst crop adjusted moisture deficits are correspondingly low. The effect will be an enhanced likelihood of soil wetness problems and a reduced chance of the land being droughty.

3. Relief

3.1 The site lies at an altitude of approximately 65-75 m AOD, rising gently from west to east. Nowhere on the site do gradient or microrelief affect agricultural land quality.

4. Geology and Soils

4.1 The published geology map for the site area, (British Geological Survey, 1973) shows a complex pattern of geological deposits underlying the site. To the far west of the site a band of river terrace gravels, (deposited by the River Mole) has been mapped. Adjacent to this a band of alluvium is shown running the length of Gatwick Stream. East of here, much of the remainder of the site is underlain by deposits of Tunbridge Wells Sandstone. Localised bands of clay within the Sandstone are also indicated, to the north-east of the site.

4.2 Soil Survey of England and Wales (1983), Sheet 6, Soils of South-East England shows the entire site to comprise soils of the Curtisden association. These are described as 'silty soils over siltstone with slowly permeable subsoils', (SSEW, 1984).

4.3 Detailed field examination of the soils on the site confirmed the presence of silty soils derived from Tunbridge Wells Sand, which had slowly permeable subsoil horizons giving rise to imperfect drainage.

5. Agricultural Land Classification

5.1 Table 1 provides the details of the area measurements for each grade and the distribution of each grade is shown on the attached ALC map.

5.2 The location of the soil observation points are shown on the attached sample point map.

Grade 2

5.3 Land of this quality occurs as a small unit towards the north-west of the site. Profiles typically comprise non-calcareous medium clay loam or silty clay loam topsoils, which are generally stone free. These overlie heavier textured upper subsoils of heavy clay loam or silty clay loam. Subsoils tend to become more sandy and/or slightly stony with depth, passing to sandy clay loam, medium sandy loam or occasionally loamy sand from about 40-70 cm depth. These lower subsoil horizons may contain 5-10% flints. As a result, occasional observations were found to be impenetrable, (to soil auger), below 70 cm.

This land is affected by imperfect soil drainage as evidenced by gleying from shallow depths and commonly within the topsoil. Subsoils were not, however, found to be slowly permeable. Such drainage characteristics equate to Wetness Class II. Land is thereby assigned to Grade 2 on the basis of slight soil wetness restrictions, given the climatic regime and easily workable topsoil textures.

Occasional profiles of this quality were found elsewhere on the site. However, their extent and distribution was not sufficient to justify separate mapping.

Subgrade 3b

5.4 The majority of the site has been assigned to Subgrade 3b, moderate quality land, on the basis of soil wetness limitations. Profiles typically comprise stoneless, medium or heavy silty clay loam topsoils which are non-calcareous. These overlie similar upper subsoils and pass to silty clay or occasionally clay in the lower subsoil. Commonly subsoils contained siltstone fragments comprising between 2 and 50% of the total volume. Occasional profiles were impenetrable, (to soil auger), as a consequence. Silty clay loam and silty clay subsoil horizons were found to be slowly permeable, thereby causing soil drainage to be significantly impeded. Profiles were gleyed from shallow depth, commonly from the topsoil, as a result of the poor drainage status of

thereby causing soil drainage to be significantly impeded. Profiles were gleyed from shallow depth, commonly from the topsoil, as a result of the poor drainage status of the land. These soil characteristics, ie, of shallow gleying and slow permeability, equate to a Wetness Class of IV. The land is therefore assigned to Subgrade 3b as a result of soil wetness which may restrict the opportunities for cultivations and/or grazing and/or adversely affect crop growth and development.

Grade 4

5.5 Two small units of poor quality land have been mapped towards the western boundary of the site. Here soil profiles are similar to those described in section 5.4 above. However, the land has been disturbed and the microrelief limitation which exists as a result is likely to present severe difficulties in the utilisation of the land. In some areas soil has been piled up to form hummocks whilst in others topsoil has been scraped off. It would be impractical and outside normal agricultural practices to rectify the microrelief restriction. This land is only suitable for grazing as a result.

Not-Surveyed

5.6 5 hectares of land to the south of Forge Farm was not surveyed for health and safety reasons. At the time of survey, the occupier indicated that the land had recently been subject to the disposal of abattoir waste.

SOURCES OF REFERENCE

British Geological Survey (1972) Sheet 302, Horsham.

MAFF (1988) Agricultural Land Classification of England and Wales : Revised guidelines and criteria for grading the quality of agricultural land.

Meteorological Office (1989) Climatic datasets for Agricultural Land Classification.

Soil Survey of England and Wales (1983) Sheet 6, Soils of South-East England.

Soil Survey of England and Wales (1984) Bulletin 15, Soils and their use in South-East England.

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES----- COL	ABUN	CONT	PED COL.	GLEY	----STONES---- >2	>6	LITH	TOT	STRUCT/ CONSIST	SUBS STR	POR	IMP	SPL	CALC	
1	0-35	mzcl	25Y 53 00	10YR58 00	C			Y	0	0		0							
	35-55	hzcl	25Y 74 00	10YR58 61	C		00MN00 00	Y	0	0		0		P			Y		
	55-90	zl	25Y 72 00	10YR58 00	C			Y	0	0	ZR	15		M					
1P	0-28	mzcl	25Y 52 00	75YR56 00	C			Y	0	0		0							
	28-70	zc	05Y 71 00	10YR68 00	M			Y	0	0		0	STVCPR	VM P	Y		Y		
2	0-25	mzcl	25Y 53 00	10YR58 00	C			Y	0	0		0							
	25-45	hzcl	05Y 52 00	10YR58 00	C			Y	0	0		0		M					
	45-75	mzcl	25 Y52 00	10YR78 00	M			Y	0	0		0		P			Y		
2P	0-31	mzcl	25 Y52 00	75YR58 00	C			Y	0	0		0							
	31-56	mzcl	25 Y71 00	10YR68 00	M			Y	0	0		0	WKVCSB	VM P	Y		Y		
	56-76	hzcl	25 Y71 00	10YR68 00	M			Y	0	0		0	MDCOAB	FM P	Y		Y		
	76-120	zc	25 Y71 00	10YR68 00	M			Y	0	0	ZR	30	MDCOPR	FM P	Y		Y		
3	0-25	hzcl	25Y 42 00	10YR58 61	C			Y	0	0		0							
	25-65	zc	25Y 72 00	10YR78 00	M			Y	0	0		0		P			Y		
3P	0-23	hcl	25 Y52 00	75YR46 00	C			Y	0	0		0							
	23-36	c	25 Y63 00	75YR68 00	C		10YR71 00	Y	0	0		0	MDCSAB	FM M	Y				
	36-58	c	10YR71 00	75YR78 00	M			Y	0	0		0	MDCSAB	FM M	Y				
	58-75	c	10YR71 00	75YR68 00	M			Y	0	0		0	WKCSAB	FR M	Y		Y		Many Mn concs.
4	0-25	mzcl	25Y 52 00						0	0		0							
	25-40	mzcl	25Y 72 00	10YR78 00	M			Y	0	0		0		P					
	40-90	zl	25Y 71 00	10YR78 00	M			Y	0	0		0		M					
4P	0-30	hzcl	25 Y62 00	10YR44 00	C			Y	0	0		0							
	30-52	zc	25 Y62 00	75YR68 00	C		10YR71 00	Y	0	0		0	MDMPR	FM P	Y		Y		
	52-82	zc	25 Y80 00	75YR68 00	M			Y	0	0		0	WKVCPR	VM P	Y		Y		Very dry
5	0-25	mzcl	25Y 52 00	10YR58 00	C			Y	0	0		0							
	25-50	mzcl	25Y 72 00	10YR78 00	C			Y	0	0		0		P			Y		
	50-95	hzcl	25Y 71 00	10YR78 00	M		00MN00 00	Y	0	0		0		P			Y		
5P	0-24	mzcl	25Y 53 00	10YR56 62	C			Y	0	0	ZR	2							
	24-43	hzcl	25Y 72 00	10YR56 00	M			Y	0	0		0	MDVCPR	FM P	Y		Y		
	43-60	hzcl	25Y 71 00	75YR58 00	M			Y	0	0		0	WKVCPR	FM P	Y		Y		
	60-76	zc	25Y 71 00	75YR58 00	M			Y	0	0		0	MDCOPL	FM P	Y		Y		
	76-90	hzcl	25Y 81 00	75YR58 00	M			Y	0	0		0	WKMSAB	FM M	Y		Y		
6	0-25	hzcl	25Y 43 00	10YR58 61	C			Y	0	0		0							
	25-80	c	10YR62 00	10YR78 61	M			Y	0	0		0		P			Y		
6P	0-28	hzcl	25Y 53 00						0	0	ZR	2							
	28-52	zc	25Y 63 00	75YR56 00	C			Y	0	0	ZR	10	WKCSAB	FR M			Y		
	52-70	zc	25Y 72 00	75YR76 00	M			Y	0	0	ZR	50	MDCOPL	FM P	Y		Y		Imp 70, siltst.

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES----- COL	ABUN	CONT	PED COL.	GLEY	----STONES---- >2	>6	LITH	TOT	STRUCT/ CONSIST	SUBS STR	POR	IMP	SPL	CALC
7	0-30	mzcl	10YR43 00	75YR56 00	C			Y	0	0		0						
	30-46	zc	25Y 61 00	73YR58 00	M			Y	0	0	HR	1		P			Y	
	46-70	c	10YR63 00	75YR58 00	M		00MN00 00	Y	0	0	HR	1		P			Y	
9	0-35	hzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	35-65	c	10YR72 00	10YR78 61	M			Y	0	0		0		0			Y	
10	0-25	hzcl	25Y 53 00	10YR56 00	C			Y	0	0		0						
	25-60	zc	25Y 72 00	05YR46 00	M			Y	0	0		0		P			Y	
11	0-30	mzcl	25Y 52 00	75YR58 00	C			Y	0	0		0						
	30-60	zc	25Y 72 00	05YR46 00	M			Y	0	0		0		P			Y	
12	0-25	mzcl	25Y 53 00	10YR56 00	C			Y	0	0		0						
	25-70	zc	25Y 72 00	05YR46 00	M			Y	0	0	ZR	2		P			Y	
13	0-30	mzcl	25Y 42 00						0	0		0						
	30-60	hzcl	25Y 62 00	10YR78 71	M			Y	0	0		0		P			Y	
	60-80	zc	25Y 72 00	10YR78 00	M			Y	0	0		0		P			Y	
14	0-30	hzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	30-50	hzcl	25Y 52 00	10YR78 71	M		00MN00 00	Y	0	0		0		P			Y	
	50-75	zc	25Y 72 00	75YR68 00	M		00MN00 00	Y	0	0		0		P			Y	
15	0-30	hzcl	25Y 52 00	10YR58 61	C			Y	0	0		0						
	30-45	hzcl	25Y 62 00	10YR78 00	C			Y	0	0		0		P			Y	
	45-70	zc	25Y 71 00	10YR78 00	M			Y	0	0		0		P			Y	
16	0-25	hzcl	25Y 53 00	10YR58 61	C			Y	0	0		0						
	25-55	c	10YR62 00	10YR78 61	C			Y	0	0		0		P			Y	
	55-75	c	10YR72 00	10YR78 61	M		00MN00 00	Y	0	0		0		P			Y	
17	0-30	mcl	25Y 42 00	75YR58 61	C			Y	0	0		0						
	30-42	hcl	25Y 62 00	75YR58 61	M			Y	0	0		0		M				
	42-60	c	25Y 61 00	75YR58 00	C			Y	0	0	HR	1		M			Y	
	60-75	c	25Y 61 00	75YR58 00	C			Y	0	0	HR	5		M			Y	
	75-85	c	25Y 63 00	10YR58 61	C			Y	0	0	HR	1		M			Y	
	85-120	c	25Y 61 00	75YR58 00	C			Y	0	0	HR	1		M			Y	
19	0-5	mcl	10YR42 00						0	0		0						
	5-30	c	10YR51 00	10YR58 00	C			Y	0	0		0		M				
	30-60	c	10YR62 00	10YR58 61	M			Y	0	0		0		M			Y	
20	0-25	hzcl	10YR53 00	10YR58 00	C			Y	0	0		0						
	25-60	c	10YR62 00	10YR68 51	M			Y	0	0		0		P			Y	
21	0-38	mzcl	25Y 53 00	10YR56 00	C			Y	0	0		0						
	38-60	zc	25Y 72 00	10YR56 00	M			Y	0	0		0		P			Y	

SAMPLE	DEPTH	TEXTURE	COLOUR	MOTTLES COL	MOTTLES ABUN	MOTTLES CONT	PED COL.	GLEY	STONES >2	STONES >6	STONES LITH	STONES TOT	STRUCT/ CONSIST	SUBS STR	SUBS POR	SUBS IMP	SUBS SPL	SUBS CALC
22	0-28	mzcl	25Y 53 00	10YR56 00	C			Y	0	0		0						
	28-48	hzcl	25Y 53 00	10YR56 00	C			Y	0	0		0		P		Y		
	48-60	zc	25Y 63 00	10YR56 00	C			Y	0	0		0		P		Y		
	60-70	zc	25Y 71 00	75YR58 00	M			Y	0	0		0		P		Y		
25	0-30	mzcl	25Y 42 00	10YR58 61	C			Y	0	0		0						
	30-60	hzcl	25Y 62 00	10YR78 00	C			Y	0	0		0		P		Y		
	60-80	c	25Y 61 00	75YR78 00	M			Y	0	0		0		P		Y		
26	0-30	mzcl	25Y 52-00	10YR58-00	C		10YR61-00	Y	0	0		0						
	30-45	hzcl	25Y 62-00	10YR78-00	C			Y	0	0		0		P		Y		
	45-70	c	25Y 61-00	75YR78-00	M			Y	0	0		0		P		Y		
27	0-28	mzcl	25Y 42 00	75YR58 00	C			Y	0	0		0						
	28-38	hcl	25Y 42 00	75YR58 00	C			Y	0	0		0		M				
	38-72	scl	25Y 52 00	75YR58 00	M			Y	0	0		0		M				Imp 72
28	0-28	mzcl	25Y 52 00	75YR58 00	M			Y	0	0		0						
	28-60	hzcl	25Y 61 00	75YR58 00	M			Y	0	0		0		M				
	60-80	scl	25Y 63 00	75YR58 00	M		00MN00 00	Y	0	0	HR	5		M				
30	0-30	mzcl	25Y 52 00	10YR58 61	C			Y	0	0		0						
	30-45	hzcl	25Y 62 00	10YR78 00	C			Y	0	0		0		P		Y		
	45-70	c	25Y 61 00	75YR78 00	M			Y	0	0		0		P		Y		
31	0-25	hzcl	25Y 42 00	25Y 66 00	C			Y	0	0		0						
	25-65	zc	25Y 73 00	25Y 78 71	M			Y	0	0		0		P		Y		
32	0-30	hzcl	25Y 53 00	25Y 56 00	C			Y	0	0		0						
	30-65	zc	25Y 63 00	25Y 68 81	C			Y	0	0		0		P		Y		
	65-80	zc	25Y 72 00	05YR68 71	M			Y	0	0		0		P		Y		
33	0-25	mzcl	25Y 53 00	10YR56 00					0	0		0						
	25-38	mzcl	25Y 53 00	10YR56 00	C			Y	0	0		0		M				
	38-65	hzcl	25Y 63 00	10YR56 00	C			Y	0	0		0		P		Y		
	65-100	zc	25Y 63 00	75YR58 00	M			Y	0	0	ZR	2		P		Y		
34	0-26	mzcl	25Y 52 00	10YR56 00	C			Y	0	0		0						
	26-60	zc	25Y 63 00	75YR58 00	M			Y	0	0		0		P		Y		
35	0-25	mzcl	25Y 62 00	10YR56 00	C			Y	0	0		0						
	25-40	hzcl	25Y 62 00	75YR58 00	C			Y	0	0		0		P		Y		
	40-60	zc	25Y 72 00	75YR58 00	M			Y	0	0		0		P		Y		
36	0-27	mzcl	25Y 52 00	10YR56 00	F				0	0		0						
	27-38	hzcl	25Y 62 00	10YR56 00	C			Y	0	0	ZR	5		P		Y		
	38-48	hzcl	25Y 62 00	10YR56 00	C			Y	0	0	ZR	15		P		Y		
	48-70	zc	25Y 72 00	05YR46 00	M			Y	0	0		0		P		Y		

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES----- COL	ABUN	CONT	PED COL.	GLEY	----STONES---- >2	>6	LITH	TOT	STRUCT/ CONSIST	SUBS STR	POR	IMP	SPL	CALC	
37	0-38	mzcl	25Y 52 00	10YR56 00	F				0	0		0							
	38-55	zc	25Y 63 00	10YR56 00	C			Y	0	0	ZR	10		P		Y			
	55-70	zc	25Y 72 00	05YR46 00	M			Y	0	0	ZR	2		P		Y			
38	0-30	mzcl	25Y 52 00	75YR58 00	C			Y	0	0		0							
	30-45	hcl	25Y 52 00	75YR58 00	M			Y	0	0		0		M					
	45-78	c	25Y 63 00	75YR58 00	M			Y	0	0	HR	15		P		Y			
	78-85	scl	25Y 63 00	75YR58 00	M			Y	0	0	HR	15		M					
39	0-22	mcl	25Y 43 00	75YR58 00	C			Y	0	0		0							
	22-48	hcl	25Y 52 00	75YR58 00	C			Y	0	0		0		M					
	48-78	scl	25Y 53 00	75YR58 00	M			Y	0	0	HR	5		M					
	78-90	msl	25Y 63 00	75YR58 00	M			Y	0	0	HR	10		M					
40	0-25	mzcl	25Y 52 00	75YR58 00	C			Y	0	0		0							
	25-36	hcl	25Y 52 00	75YR58 00	C			Y	0	0		0		M					
	36-68	hcl	25Y 53 00	75YR58 00	M			Y	0	0	HR	5		M					
	68-78	scl	25Y 63 00	75YR58 00	M		00MN00 00	Y	0	0	HR	10		M					Imp 78
42	0-25	hzcl	10YR52 00	10YR58 61	C			Y	0	0		0							
	25-65	c	10YR73 00	75YR58 62	M		00MN00 00	Y	0	0		0		M		Y			
43	0-35	mzcl	25Y 43 00	25Y 66 00	C			Y	0	0		0							
	35-70	hzcl	25Y 72 00	25Y 78 83	C			Y	0	0		0		P		Y			
44	0-40	hzcl	25Y 42 00	25Y 66 00	C			Y	0	0		0							
	40-75	zc	25Y 73 00	25Y 78 83	C			Y	0	0		0		P		Y			
	75-100	zc	25Y 72 00	05YR78 61	M			Y	0	0		0		P		Y			
47	0-30	mzcl	25Y 63 00	10YR58 00	F				0	0	ZR	2							
	30-50	zc	25Y 71 00	75YR58 00	M			Y	0	0	ZR	10		P		Y			
48	0-35	hzcl	25Y 52 00	10YR56 00	C			Y	0	0		0							
	35-60	zc	25Y 62 00	75YR58 00	M			Y	0	0	ZR	5		P		Y			
49	0-15	mzcl	25Y 52 00	10YR56 00	C			Y	0	0		0							
	15-38	hzcl	25Y 62 00	10YR56 00	C			Y	0	0	ZR	5		P		Y			
	38-68	zc	25Y 61 00	75YR58 00	M			Y	0	0	ZR	5		P		Y			
	68-85	hzcl	25Y 61 00	75YR58 00	M			Y	0	0	ZR	2		P		Y			Imp 85
50	0-28	mzcl	25Y 52 00	10YR56 00	C			Y	0	0		0							
	28-38	hzcl	25Y 52 00	10YR56 00	C			Y	0	0		0		P		Y			
	38-70	zc	25Y 72 00	75YR58 00	M			Y	0	0	ZR	5		P		Y			
52	0-28	mcl	25Y 53 00						0	0		0							
	28-65	hcl	10YR53 00	10YR58 68	C		00MN00 00	Y	0	0		0		M					
	65-80	msl	10YR53 00	10YR58 68	M		00MN00 00	Y	0	0		0		M					
	80-120	lms	10YR44 00					Y	0	0		0		M					

SAMPLE	DEPTH	TEXTURE	COLOUR	MOTTLES COL	MOTTLES ABUN	MOTTLES CONT	PED COL.	GLEY	STONES >2	STONES >6	STONES LITH	STONES TOT	STRUCT/ CONSIST	SUBS STR	SUBS POR	SUBS IMP	SUBS SPL	SUBS CALC
55	0-25	hzcl	10YR53 00	10YR58 00	C			Y	0	0		0						
	25-40	hzcl	10YR52 00	10YR58 61	C			Y	0	0		0		P			Y	
	40-70	c	10YR72 00	75YR68 83	M		00MN00 00	Y	0	0		0		M			Y	
56	0-25	hzcl	25Y 42 00	10YR58 61	C			Y	0	0		0						
	25-45	zc	25Y 73 00	25Y 78 81	C			Y	0	0		0		P			Y	
	45-75	zc	25Y 81 73	25Y 78 00	M			Y	0	0		0		P			Y	
57	0-25	mzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	25-60	zc	25Y 72 81	25Y 78 00	M			Y	0	0		0		P			Y	
61	0-25	mzcl	25Y 63 00						0	0	ZR	1						
	25-35	mzcl	25Y 63 00	05YR46 00	C			Y	0	0	ZR	1		P			Y	
	35-70	zc	25Y 71 00	05YR46 00	M			Y	0	0	ZR	1		P			Y	
62	0-28	mzcl	25Y 52 00	10YR56 00	F				0	0	ZR	2						
	28-60	zc	25Y 62 00	75YR56 00	M			Y	0	0	ZR	10		P			Y	
63	0-35	mzcl	25Y 52 00	10YR56 00	C			Y	0	0	ZR	2						
	35-60	zc	25Y 63 00	75YR58 00	M			Y	0	0	ZR	2		P			Y	
64	0-25	mzcl	25Y 53 00						0	0		0						
	25-38	mzcl	25Y 53 00	10YR56 00	C			Y	0	0	ZR	3		P			Y	
	38-80	zc	25Y 61 00	75YR58 00	M			Y	0	0	ZR	10		P			Y	
66	0-22	mcl	25 Y53 00	75YR56 00	C			Y	0	0		0						
	22-30	hcl	10YR53 00	10YR58 00	C		10YR71 00	Y	0	0		0		M				
	30-80	c	25 Y73 00	75YR58 00	M			Y	0	0		0		M			Y	
67	0-25	hcl	10YR51 00	75YR56 00	M			Y	0	0		0						
	25-55	c	10YR61 00	10YR58 00	M		10YR71 00	Y	0	0		0		M			Y	
	55-80	scl	10YR61 00	75YR58 00	M		10YR71 00	Y	0	0		0		M			Y	
	80-82	zc	25 Y70 00	10YR58 00	M			Y	0	0		0		P			Y	
69	0-38	hzcl	25Y 52 00	75YR58 00	C			Y	0	0		0						
	38-58	zc	25Y 63 00	05YR46 00	M		00MN00 00	Y	0	0		0		P			Y	
	58-70	zc	10YR71 00	75YR58 00	M			Y	0	0		0		P			Y	
70	0-28	hzcl	25Y 52 00	75YR58 00	C			Y	0	0		0						
	28-39	zc	25Y 51 00	75YR85 00	C			Y	0	0		0		P			Y	
	39-70	zc	25Y 71 00	75YR58 00	M			Y	0	0		0		P			Y	
71	0-38	hzcl	25Y 52 00	75YR58 00	C			Y	0	0		0						
	38-70	zc	25Y 71 00	75YR58 00	M			Y	0	0		0		P			Y	
75	0-28	mzcl	25Y 53 00						2	0	ZR	10						
	28-40	hzcl	10YR71 72	75YR46 00	C			Y	0	0	ZR	20		P			Y	
	40-47	zc	10YR71 72	75YR46 00	C			Y	0	0	ZR	20		P			Y	
	47-80	zc	25Y 72 00	75Y 58 00	M		05YR54 00	Y	0	0	ZR	20		P			Y	

SAMPLE	DEPTH	TEXTURE	COLOUR	MOTTLES COL	MOTTLES ABUN	MOTTLES CONT	PED COL.	PED GLEY	STONES >2	STONES >6	STONES LITH	STONES TOT	STRUCT/ CONSIST	SUBS STR	SUBS POR	SUBS IMP	SUBS SPL	SUBS CALC	
76	0-28	mzcl	25 Y53 00						0	0	ZR	1							
	28-50	hzcl	10YR72 00	10YR68 00	C			Y	0	0	ZR	5		P			Y		
	50-70	zc	10YR72 00	10YR68 00	M			Y	0	0	ZR	10		P			Y		
	70-90	hzcl	25 Y53 00	10YR68 00	C			Y	0	0	ZR	20		P			Y		
77	0-28	mzcl	25Y 53 00						2	0	ZR	2							
	28-80	zc	10YR52 00	75YR58 00	C			Y	0	0	ZR	5		P			Y		
78	0-27	hzcl	10YR53 00						2	0	ZR	10							
	27-88	zc	25Y 52 00	75YR58 00	C		25Y 72 00	Y	0	0	ZR	15		P			Y		
	88-100	zc	25Y 70 00	05YR78 00	M			Y	0	0		0		P			Y		
80	0-25	mcl	10YR53 00	75YR58 00	C			Y	0	0		0							
	25-55	hcl	25 Y72 00	75YR58 00	C			Y	0	0		0		M					
	55-65	c	25 Y72 00	75YR58 00	C			Y	0	0		0		M					
	65-70	scl	75YR58 00		C		00MN00 00	Y	0	0		0		M					
	70-78	c	75YR58 00		C		00MN00 00	Y	0	0		0		M					
	78-90	lms	10YR34 00						0	0		0		M					
81	0-28	hcl	25 Y52 00	75YR56 00	C		10YR61 00	Y	0	0		0							
	28-60	c	25 Y73 00	75YR58 00	C		25 Y72 00	Y	0	0		0		M			Y		
	60-65	scl	10YR34 00					Y	0	0		0		M					Imp 65
83	0-38	hzcl	25Y 52 00	75YR58 00	C			Y	0	0		0							
	38-75	zc	25Y 63 00	75YR58 00	M			Y	0	0		0		P			Y		
	75-100	zc	25Y 63 00	75YR58 00	M			Y	0	0		0		P			Y		
84	0-30	mzcl	25Y 42 00						0	0		0							
	30-45	hzcl	25Y 62 00	10YR78 61	C			Y	0	0		0		P			Y		
	45-70	zc	25Y 72 00	75YR78 00	M		00MN00 00	Y	0	0		0		P			Y		
85	0-30	mzcl	25Y 42 00						0	0		0							
	30-50	hzcl	25Y 63 00	10YR78 00	C			Y	0	0		0		P			Y		
	50-80	zc	25Y 73 00	75YR78 00	M			Y	0	0		0		P			Y		
86	0-28	mzcl	25Y 53 00						0	0		0							
	28-70	zc	25Y 63 00	10YR68 00	C			Y	0	0	ZR	10		P			Y		
87	0-25	mzcl	25Y 53 00	75YR58 00	C			Y	0	0		0							
	25-70	zc	25Y 73 00	75YR68 00	M			Y	0	0		0		P			Y		
88	0-25	mcl	25Y 53 00	75YR58 00	C			Y	0	0		0							
	25-40	hcl	25Y 63 00	25Y 63 00	M		00MN00 00	Y	0	0		0		M					
	40-90	scl	25Y 63 00	75YR58 00	M			Y	0	0	HR	5		M					
89	0-32	hcl	25Y 52-00	75YR58-00	C			Y	0	0		0							
	32-38	hcl	10YR53-00	75YR58-00	C		25Y 70-00	Y	0	0		0		M					
	38-75	c	25Y 63-00	10YR58-00	M		10YR81-00	Y	0	0		0		M			Y		
	75-90	sc	25Y 70-00	75YR58-00	M		00MN00-00	Y	0	0		0		M			Y		Imp 90, gravelly

SAMPLE	DEPTH	TEXTURE	COLOUR	MOTTLES COL	MOTTLES ABUN	MOTTLES CONT	PED COL.	GLEY	STONES >2	STONES >6	STONES LITH	STONES TOT	STRUCT/ CONSIST	SUBS STR	SUBS POR	SUBS IMP	SUBS SPL	SUBS CALC
90	0-25	hcl	10YR51 00	75YR46 00	C			Y	0	0		0						
	25-45	c	10YR51 00	75YR46 00	M			Y	0	0		0		M		Y		Imp 45
91	0-25	hcl	10YR42 00	75YR46 00	C		10YR61 00	Y	0	0		0						
	25-85	c	10YR72 00	75YR46 58	M			Y	0	0		0		P		Y		
92	0-26	mzcl	25Y 52 00	75YR58 00	C			Y	0	0		0						
	26-38	hzcl	25Y 52 00	75YR58 00	C			Y	0	0		0		P		Y		
	38-70	zc	25Y 71 00	75YR58 00	M			Y	0	0		0		P		Y		
98	0-30	mzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	30-50	hzcl	25Y 71 00	75YR78 00	M			Y	0	0		0		P		Y		
	50-70	zc	25Y 72 00	75YR68 00	M			Y	0	0		0		P		Y		
99	0-25	hzcl	10YR52 00	10YR58 00	F				0	0		0						
	25-55	c	75YR62 00	75YR68 00	C		00MN00 00	Y	0	0		0		P		Y		
	55-70	c	10YR52 00	75YR68 81	M		00MN00 00	Y	0	0		0		P		Y		
100	0-30	mzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	30-60	hzcl	25Y 62 00	10YR78 61	M			Y	0	0		0		P		Y		
	60-70	zc	25Y 71 00	75YR78 00	M			Y	0	0		0		P		Y		
101	0-30	mzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	30-65	hzcl	25Y 62 00	10YR78 61	M			Y	0	0		0		P		Y		
103	0-22	mcl	10YR43 00					Y	0	0		0						
	22-40	hcl	10YR53 00	75YR58 00	C		10YR51 00	Y	0	0		0		M				
	40-70	c	10YR64 00	75YR58 00	C		00MN00 00	Y	0	0		0		M		Y		
	70-75	lms	10YR34 00						0	0		0		M				
	75-90	scl	10YR63 00			M	00MN00 00	Y	0	0	HR	20		M				
106	0-25	mzcl	25 Y62 00	75YR56 00	C			Y	0	0		0						
	25-90	mzcl	25 Y72 00	10YR68 00	M			Y	0	0		0		P		Y		
110	0-30	mzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	30-60	hzcl	25Y 62 00	10YR78 00	M			Y	0	0		0		P		Y		
	60-70	zc	25Y 72 00	75YR78 00	M		00MN00 00	Y	0	0		0		P		Y		
111	0-30	mzcl	25Y 42 00	10YR58 00	C			Y	0	0		0						
	30-45	zc	25Y 72 00	40YR78 00	M			Y	0	0		0		P		Y		
	45-70	zc	25Y 62 81	75YR78 00	M			Y	0	0	ZR	20		P		Y		
115	0-25	mzcl	25 Y53 00						0	0		0						
	25-50	mzcl	25 Y73 00	10YR58 00	C		10YR71 00	Y	0	0		0		P		Y		
	50-70	zc	10YR71 00	10YR58 00	M			Y	0	0		0		P		Y		
	70-75	hzcl	10YR71 00	10YR58 00	M			Y	0	0		0		P		Y		
	75-90	mzcl	10YR71 00	10YR58 00	M			Y	0	0		0		P		Y		

				----MOTTLES-----			PED		----STONES----				STRUCT/	SUBS			
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL.	GLEY	>2	>6	LITH	TOT	CONSIST	STR	POR	IMP	SPL	CALC
116	0-25	mzcl	25 Y52 00	75YR58 00	C			Y	0	0		0						
	25-48	hzcl	25 Y63 00	10YR58 00	M		10YR71 00	Y	0	0		0		P			Y	
	48-80	zc	25 Y63 73	10YR58 00	M			Y	0	0		0		P			Y	
117	0-20	mzcl	25 Y52 00	75YR58 00	C			Y	0	0		0						
	20-35	mzcl	10YR71 00	10YR58 00	M			Y	0	0		0		P			Y	
	35-55	zl	10YR71 00	10YR58 00	M		05YR58 00	Y	0	0		0		M				
	55-65	hzcl	10YR71 00	10YR58 00	M			Y	0	0		0		P			Y	
	65-80	zc	10YR71 00	10YR58 00	M			Y	0	0		0		P			Y	
120	0-30	mcl	10YR52 00	10YR58 00	C			Y	0	0		0						
	30-43	hcl	25 Y73 00	10YR58 00	M		00MN00 00	Y	0	0		0		M				
	43-80	c	25 Y73 00	10YR58 00	M		00MN00 00	Y	0	0	HR	5		M			Y	
124	0-38	mzcl	05 Y51 00	75YR48 00	C			Y	0	0		0						
	38-50	hzcl	25 Y62 00	10YR58 00	M		25 Y72 00	Y	0	0		0		P			Y	
	50-80	mzcl	25 Y62 00	10YR58 00	M		25 Y72 00	Y	0	0		0		P			Y	
125	0-30	mzcl	25 Y52 00	75YR46 00	C			Y	0	0		0						
	30-75	c	10YR71 00	10YR58 00	M			Y	0	0		0		M			Y	
126	0-15	mcl	10YR51 00	75YR46 00	C			Y	0	0		0						
	15-30	hcl	10YR61 00	75YR56 00	M			Y	0	0		0		M				
	30-75	c	25 Y70 00	75YR58 00	M			Y	0	0		0		M			Y	

SAMPLE NO.	GRID REF	USE	ASPECT	GRDNT	GLEY	SPL	--WETNESS-- CLASS	GRADE	-WHEAT- AP	MB	-POTS- AP	MB	M.REL DRT	FLOOD	EROSN EXP	FROST DIST	CHEM LIMIT	ALC	COMMENTS
1	TQ30103990	SAS			0	035	4	3B	000	0	000	0					WE	3B	
1P	TQ29423942	PGR			0	028	4	3B	094	-11	104	6	3A				WE	3B	
2	TQ30103980	SAS			0	045	4	3B	000	0	000	0					WE	3B	
2P	TQ29403870	PGR			0	031	4	3B	137	32	118	20	1				WE	3B	
3	TQ29903970	SAS			0	025	4	3B	088	-17	096	-2	3A				WE	3B	
3P	TQ28903890	PGR			0	058	3	3B	105	0	117	19	3A				WE	3B	SPL 58
4	TQ30003970	SAS			025		2	2	151	46	139	41	1				WE	2	
4P	TQ29903940	SAS	W	01	0	030	4	3B	000	0	000	0					WE	3B	
5	TQ30103970	SAS			0	025	4	3B	135	30	124	26	1				WE	3B	
5P	TQ30103960	SAS	S	02	0	024	4	3B	000	0	000	0					WE	3B	
6	TQ30233970	SAS	SE	04	0	025	4	3B	000	0	000	0					WE	3B	
6P	TQ30003910	CER	W	01	028	028	4	3B	000	0	000	0					WE	3B	IMP 70 SILTST.
7	TQ29103960	PGR			0	030	4	3B	000	0	000	0					WE	3B	
9	TQ29303960	PGR			0	035	4	3B	000	0	000	0					WE	3B	
10	TQ29403960	PGR			0	025	4	3B	000	0	000	0					WE	3B	
11	TQ29503960	PGR			0	030	4	3B	000	0	000	0					WE	3B	
12	TQ29603960	SAS	NW	01	0	025	4	3B	000	0	000	0					WE	3B	
13	TQ29903960	SAS			030	030	4	3B	101	-4	105	7	3A				WE	3B	
14	TQ30003960	SAS			0	030	4	3B	000	0	000	0					WE	3B	
15	TQ30103960	SAS			0	030	4	3B	000	0	000	0					WE	3B	
16	TQ30203960	SAS	SE	04	0	025	4	3B	100	-5	111	13	3A				WE	3B	
17	TQ29103950	PGR			0	042	4	3B	136	31	109	11	1				WE	3B	
19	TQ29303950	PGR			005	030	4	3B	082	-23	088	-10	3B				WE	3B	
20	TQ29403950	PGR			0	025	4	3B	000	0	000	0					WE	3B	
21	TQ29503950	PGR			0	038	4	3B	000	0	000	0					WE	3B	
22	TQ29603950	SAS	NW	01	0	028	4	3B	000	0	000	0					WE	3B	
25	TQ30103950	SAS			0	030	4	3B	000	0	000	0					WE	3B	
26	TQ30203950	SAS			0	030	4	3B	000	0	000	0					WE	3B	
27	TQ28903940	PGR			0		2	2	109	4	117	19	3A				DR	3A	IMP 72
28	TQ29003940	PGR			0		2	2	120	15	122	24	2				WE	2	
30	TQ29303940	PGR			0	030	4	3B	000	0	000	0					WE	3B	
31	TQ29403940	PGR			0	025	4	3B	000	0	000	0					WE	3B	
32	TQ29513942	PGR			0	030	4	3B	102	-3	105	7	3A				WE	3B	
33	TQ29703940	SAS	NW	01	025	038	4	3B	000	0	000	0					WE	3B	
34	TQ29803940	SAS	W	01	0	026	4	3B	000	0	000	0					WE	3B	
35	TQ29903940	SAS	W	01	0	025	4	3B	000	0	000	0					WE	3B	
36	TQ30003940	SAS	W	01	027	027	4	3B	102	-3	112	14	3A				WE	3B	
37	TQ30103940	SAS	W	01	038	038	4	3B	000	0	000	0					WE	3B	
38	TQ28803930	PGR			0	045	4	3B	113	8	115	17	2				WE	3B	
39	TQ28903930	PGR			0		2	2	123	18	113	15	2				WE	2	
40	TQ29003930	PGR			0		2	2	113	8	117	19	2				WE	2	IMP 78
42	TQ29203926	PGR			0	025	4	3B	000	0	000	0					WE	3B	

SAMPLE NO.	GRID REF	USE	ASPECT	GRDNT	GLEY	SPL	--WETNESS-- CLASS	GRADE	-WHEAT- AP	MB	-POTS- AP	MB	M.REL DRT	FLOOD	EROSN EXP	FROST DIST	CHEM LIMIT	ALC	COMMENTS
43	TQ29303930	PGR			0	035	4	3B	000	0	000	0					WE	3B	
44	TQ29403930	PGR			0	040	4	3B	129	24	121	23	2				WE	3B	
47	TQ29803930	CER	W	02	030	030	4	3B	000	0	000	0					WE	3B	
48	TQ29903931	SAS	W	01	0	035	4	3B	000	0	000	0					WE	3B	
49	TQ30003930	SAS			0	015	4	3B	092	-13	093	-5	3A				WE	3B	IMP 85
50	TQ30103930	SAS	E	01	0	038	4	3B	000	0	000	0					WE	3B	
52	TQ28903920	PGR			028		2	2	136	31	117	19	1				WE	2	
55	TQ29203920	PGR			0	025	4	3B	100	-5	112	14	3A				WE	3B	
56	TQ29303920	PGR			0	025	4	3B	101	-4	108	10	3A				WE	3B	
57	TQ29403920	PGR			0	025	4	3B	000	0	000	0					WE	3B	
61	TQ29803920	CER	W	02	025	025	4	3B	000	0	000	0					WE	3B	
62	TQ29903920	CER	W	02	028	028	4	3B	000	0	000	0					WE	3B	
63	TQ30003920	CER	E	02	0	035	4	3B	000	0	000	0					WE	3B	
64	TQ30103920	CER	E	02	025	025	4	3B	000	0	000	0					WE	3B	
66	TQ28903910	PGR			0	030	4	3B	000	0	000	0					WE	3B	
67	TQ29003910	PGR			0	025	4	3B	000	0	000	0					WE	3B	
69	TQ29203910	PGR			0	038	4	3B	000	0	000	0					WE	3B	
70	TQ29303910	PGR			0	028	4	3B	000	0	000	0					WE	3B	
71	TQ29403910	PGR			0	038	4	3B	000	0	000	0					WE	3B	
75	TQ29803910	CER	W	01	028	028	4	3B	000	0	000	0					WE	3B	
76	TQ29903910	CER	W	01	028	028	4	3B	123	18	118	20	2				WE	3B	
77	TQ30003910	CER	W	01	028	028	4	3B	000	0	000	0					WE	3B	
78	TQ30103910	CER	E	01	027	027	4	3B	000	0	000	0					WE	3B	
80	TQ28903900	PGR			0		2	2	115	10	117	19	2				WE	2	
81	TQ29003900	PGR			0	028	4	3B	000	0	000	0					WE	3B	IMP 65
83	TQ29203900	PGR			0	038	4	3B	000	0	000	0					WE	3B	
84	TQ29823899	SAS			030	030	4	3B	000	0	000	0					WE	3B	
85	TQ29903900	SAS			030	030	4	3B	000	0	000	0					WE	3B	
86	TQ30003900	SAS	SW	01	028	028	4	3B	000	0	000	0					WE	3B	
87	TQ30103900	SAS			0	025	4	3B	000	0	000	0					WE	3B	
88	TQ28853890	PGR			0		2	2	121	16	112	14	2				WE	2	
89	TQ28903890	PGR			0	038	4	3B	000	0	000	0					WE	3B	
90	TQ29003890	PGR			0	025	4	3B	000	0	000	0					WE	3B	VERY WET
91	TQ29103890	PGR			0	025	4	3B	000	0	000	0					WE	3B	
92	TQ29223890	PGR			0	026	4	3B	000	0	000	0					WE	3B	
98	TQ29803890	SAS			0	030	4	3B	095	-10	105	7	3A				WE	3B	
99	TQ29903889	SAS			025	025	4	3B	094	-11	106	8	3A				WE	3B	
100	TQ30023891	SAS			0	030	4	3B	000	0	000	0					WE	3B	
101	TQ30103890	SAS			0	030	4	3B	090	-15	099	1	3A				WE	3B	
103	TQ28903880	PGR			0	040	4	3B	000	0	000	0					WE	3B	
106	TQ29303880	PGR			0	025	4	3B	130	25	124	26	2				WE	3B	
110	TQ29803880	SAS			0	030	4	3B	000	0	000	0					WE	3B	

SAMPLE NO.	GRID REF	USE	ASPECT	GRDNT	GLEY	SPL	--WETNESS-- CLASS	GRADE	-WHEAT- AP	MB	-POTS- AP	MB	M.REL DRT	FLOOD	EROSN EXP	FROST DIST	CHEM LIMIT		ALC	COMMENTS
111	TQ29903880	SAS		0	030	4	3B		094	-11	103	5	3A				WE		3B	
115	TQ29203870	PGR		025	025	4	3B		126	21	120	22	2				WE		3B	
116	TQ29303870	PGR		0	025	4	3B		000	0	000	0					WE		3B	
117	TQ29403870	PGR		0	055	3	3A		000	0	000	0					WE		3A	
120	TQ28863855	PGR		0	043	4	3B		000	0	000	0					WE		3B	
124	TQ29283863	PGR		0	038	4	3B		000	0	000	0					WE		3B	
125	TQ28853845	PGR		0	030	4	3B		000	0	000	0					WE		3B	
126	TQ29003850	PGR		0	030	4	3B		000	0	000	0					WE		3B	

SOIL PIT DESCRIPTION

Site Name : CRAWLEY BOROUGH LP Pit Number : 1P

Grid Reference: TQ29423942
Average Annual Rainfall : 796 mm
Accumulated Temperature : 1439 degree days
Field Capacity Level : 169 days
Land Use : Permanent Grass
Slope and Aspect : degrees

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 28	MZCL	25Y 52 00	0	0	C	
28- 70	ZC	05Y 71 00	0	0	M	STVCPR

Wetness Grade : 3B
Wetness Class : IV
Gleying :0 cm
SPL :028 cm

Drought Grade : 3A
APW : 094mm MBW : -11 mm
APP : 104mm MBP : 6 mm

FINAL ALC GRADE : 3B
MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : CRAWLEY BOROUGH LP Pit Number : 2P

Grid Reference: TQ29403870
Average Annual Rainfall : 796 mm
Accumulated Temperature : 1439 degree days
Field Capacity Level : 169 days
Land Use : Permanent Grass
Slope and Aspect : degrees

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 31	MZCL	25 Y52 00	0	0	C	
31- 56	MZCL	25 Y71 00	0	0	M	WKVCSB
56- 76	HZCL	25 Y71 00	0	0	M	MDCOAB
76-120	ZC	25 Y71 00	0	30	M	MDCOPR

Wetness Grade : 3B
Wetness Class : IV
Gleying :0 cm
SPL :031 cm

Drought Grade : 1
APW : 137mm MBW : 32 mm
APP : 118mm MBP : 20 mm

FINAL ALC GRADE : 3B
MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : CRAWLEY BOROUGH LP Pit Number : 3P

Grid Reference: TQ28903890
Average Annual Rainfall : 796 mm
Accumulated Temperature : 1439 degree days
Field Capacity Level : 169 days
Land Use : Permanent Grass
Slope and Aspect : degrees

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 23	HCL	25 Y52 00	0	0	C	
23- 36	C	25 Y63 00	0	0	C	MDCSAB
36- 58	C	10YR71 00	0	0	M	MDCSAB
58- 75	C	10YR71 00	0	0	M	WKCSAB

Wetness Grade : 3B
Wetness Class : III
Gleying :0 cm
SPL :058 cm

Drought Grade : 3A
APW : 105mm MBW : 0 mm
APP : 117mm MBP : 19 mm

FINAL ALC GRADE : 3B
MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : CRAWLEY BOROUGH LP Pit Number : 4P

Grid Reference: TQ29903940
Average Annual Rainfall : 796 mm
Accumulated Temperature : 1439 degree days
Field Capacity Level : 169 days
Land Use :
Slope and Aspect : 01 degrees W

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 30	HZCL	25 Y62 00	0	0	C	
30- 52	ZC	25 Y62 00	0	0	C	MDMPR
52- 82	ZC	25 Y80 00	0	0	M	WKVCPR

Wetness Grade : 3B
Wetness Class : IV
Gleying :0 cm
SPL :030 cm

Drought Grade :
APW : 000mm MBW : 0 mm
APP : 000mm MBP : 0 mm

FINAL ALC GRADE : 3B
MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : CRAWLEY BOROUGH LP Pit Number : 5P

Grid Reference: TQ30103960
Average Annual Rainfall : 796 mm
Accumulated Temperature : 1439 degree days
Field Capacity Level : 169 days
Land Use :
Slope and Aspect : 02 degrees S

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 24	MZCL	25Y 53 00	0	2	C	
24- 43	HZCL	25Y 72 00	0	0	M	MDVCPR
43- 60	HZCL	25Y 71 00	0	0	M	WKVCPR
60- 76	ZC	25Y 71 00	0	0	M	MDCOPL
76- 90	HZCL	25Y 81 00	0	0	M	WKMSAB

Wetness Grade : 3B
Wetness Class : IV
Gleying :0 cm
SPL :024 cm

Drought Grade :
APW : 000mm MBW : 0 mm
APP : 000mm MBP : 0 mm

FINAL ALC GRADE : 3B
MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : CRAWLEY BOROUGH LP Pit Number : 6P

Grid Reference: TQ30003910
Average Annual Rainfall : 796 mm
Accumulated Temperature : 1439 degree days
Field Capacity Level : 169 days
Land Use : Cereals
Slope and Aspect : 01 degrees W

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 28	HZCL	25Y 53 00	0	2		
28- 52	ZC	25Y 63 00	0	10	C	WKCSAB
52- 70	ZC	25Y 72 00	0	50	M	MDCOPL

Wetness Grade : 3B
Wetness Class : IV
Gleying :028 cm
SPL :028 cm

Drought Grade :
APW : 000mm MBW : 0 mm
APP : 000mm MBP : 0 mm

FINAL ALC GRADE : 3B
MAIN LIMITATION : Wetness