MAFF Ministry of Agriculture Fisheries and Food

AGRICULTURAL LAND CLASSIFICATION
BEVERLEY BOROUGH LOCAL PLAN
SITE 7, CARR LANE, WILLERBY
DECEMBER 1992.

ADAS
Leeds Statutory Group

Job No:- 142/92
MAFF Ref:-

site7.alc.mp

SUMMARY

An Agricultural Land Classification of 27ha of land at Carr Lane, Willerby was carried out in December 1992.

Grade 2 land covers a total of 16.7ha and generally consists of medium sandy loam or medium clay loam topsoils overlying medium clay loam, sandy clay loam or heavy clay loam subsoils. Profiles are well drained or moderately well drained (falling in Wetness Classes I or II) and the ALC grade of this land is restricted by slight soil wetness and, in places, slight soil droughtiness.

Subgrade 3b land covers a total of 10.5ha. Profiles are poorly drained (falling in Wetness Class IV) and typically consist of medium clay loam topsoils overlying slowly permeable heavy clay loam or clay subsoils. Soil wetness and workability restrictions limit this land to Subgrade 3b.

CONTENTS

MAP

AGRICULTURAL LAND CLASSIFICATION REPORT: BEVERLEY BOROUGH LOCAL PLAN, SITE 7, CARR LANE, WILLERBY

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods.

The site lies 6Km north west of Hull City centre and is centred on Grid Reference TA 042306. Survey work was carried out in December 1992 when soils were examined at 100m intervals predetermined by the National Grid. Extra borings were made, where necessary, to refine grade boundaries.

Land quality was assessed using the methods described in "Agricultural Land Classification of England and Wales: Revised guidelines and criteria for grading the quality of agricultural land" (MAFF, 1988).

1.2 Land Use and Relief

At the time of survey all of the site was in arable use (the west under cereal stubble and the east under oilseed rape). The site varies from 9m AOD in the north west to 3m AOD in the south east and is gently sloping with an easterly aspect.

1.3 Climate

Grid Reference	:	TA 042306
Altitude (m)	:	7
Accumulated Temperature above 0°C (January-June)	:	1395 day.°C
Average Annual Rainfall (mm)	:	647
Climatic Grade	:	1
Field Capacity Days	:	142
Moisture Deficit (mm) Wheat	:	106
Moisture Deficit (mm) Potatoes	:	97

1.4 Geology, Soils and Drainage

The site is underlain by chalk over which there is a considerable thickness of boulder clay (in the centre and west of the site) and estuarine alluvium (in the east). Profiles in the eastern half of the site are typically imperfectly or poorly drained (falling in Wetness Classes III or IV) with medium to heavy-textured soils (generally medium clay loam topsoils overlying heavy clay loam or silty clay subsoils). Profiles in the western half of the site typically consist of medium sandy loam or medium clay loam topsoils overlying medium clay loam, sandy clay loam or heavy clay loam subsoils. These soils are generally well drained (Wetness Class I) or moderately well drained (Wetness Class II).

2. AGRICULTURAL LAND CLASSIFICATION

The ALC grades occurring on this site are as follows:

Grade/Subgrade	Hectares	Percentage of Total Area
1		
2	16.7	61.4
3a		
3b	10.5	38.6
4		
5		
(Sub total)	(27.2)	(100)
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)		
TOTAL	27.2	100

2.1 Grade 2

Grade 2 land occurs in two separate areas in the west and north east of the site. Profiles are well drained or moderately well drained (falling in Wetness Classes I or II) and typically consist of medium sandy loam or medium clay loam topsoils overlying medium clay loam, sandy clay loam or heavy clay loam subsoils. Where they occur, slowly permeable layers typically begin at 60-70cm depth. The ALC grade of this land is limited by slight soil wetness and, in places slight soil droughtiness.

2.2 Subgrade 3b

Land in this subgrade occurs in the centre and east of the site. Profiles are poorly drained (falling in Wetness Class IV) and consist mainly of medium clay loam topsoils overlying slowly permeable heavy clay loam or silty clay subsoils at between 30cm and 35cm depth. Soil wetness and workability are, therefore, the factors limiting this land to Subgrade 3b.

RPT File: 2 FCS 6293
Leeds Statutory Group

MAP

site7.alc.mp