



AGRICULTURAL LAND CLASSIFICATION
BEVERLEY BOROUGH LOCAL PLAN
SITE 9, WILLERBY CARR FARM
DECEMBER 1992

ADAS
Leeds Statutory Group

Job No:- 143/92
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site9.alc.mp

SUMMARY

An Agricultural Land Classification survey of approximately 14ha of land at Willerby Carr Farm was carried out in December 1992.

All of this is in agricultural use, and all falls within Subgrade 3b. Soils consist of medium or heavy clay loam or silty clay loam topsoils over slowly permeable clay or silty clay subsoils. They are poorly drained and limited to Subgrade 3b by wetness and workability problems.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT: BEVERLEY BOROUGH LOCAL PLAN
AT SITE 9, WILLERBY CARR FARM

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods.

The site lies 6Km west north west of Hull City centre and 1Km east of Willerby and is centred on National Grid Reference TA 048307. It covers a total of 14.43 hectares. Survey work was carried out in December 1992 when soils were examined by hand auger borings at a density of 1 boring per hectare at points predetermined by the National Grid. Land quality was assessed using the methods described in "Agricultural Land Classification of England and Wales" (MAFF 1988).

1.2 Land Use and Relief

At the time of survey all agricultural land on the site was under permanent pasture. The area is level.

1.3 Climate

Grid Reference	:	TA 048307
Altitude (m)	:	3
Accumulated Temperature above 0°C (January-June)	:	1399 day°C
Average Annual Rainfall (mm)	:	643
Climatic Grade	:	1
Field Capacity Days	:	141
Moisture Deficit (mm) Wheat	:	106
Moisture Deficit (mm) Potatoes	:	98

1.4 Geology, Soils and Drainage

The area is underlain by Chalk over which there is a considerable thickness of till (boulder clay) and clayey marine alluvium. Soils are formed on the alluvium and consist of medium or heavy clay loam or silty clay loam topsoils over slowly permeable strongly gleyed clay or silty clay subsoils. Profiles are poorly drained and fall within Wetness Class IV. At the time of survey (December 1992) the site was badly waterlogged.

2. AGRICULTURAL LAND CLASSIFICATION

The ALC grades occurring on this site are as follows:

<u>Grade/Subgrade</u>	<u>Hectares</u>	<u>Percentage of Total Area</u>
1		
2		
3a	14.13	97.9
3b		
4		
5		
(Sub total)	(14.13)	(97.9)
Urban	0.30	2.1
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(0.30)	
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TOTAL	14.43	100
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2.1 Subgrade 3b

All of the agricultural land on the site falls within Subgrade 3b. Profiles consist of stoneless medium or heavy clay loam or heavy silty clay loam topsoils over stoneless clay or silty clay subsoils. Profiles are poorly drained (Wetness Class IV) and the land is limited to Subgrade 3b by wetness and workability problems.

2.2 Urban

This consists of a road running along the western edge of the site.

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MAP