



AGRICULTURAL LAND CLASSIFICATION
HOLDERNESS DISTRICT WIDE LOCAL PLAN
SITE HED 1-7
HUMBERSIDE
NOVEMBER 1994

ADAS
Leeds Statutory Group

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SUMMARY

A detailed Agricultural Land Classification survey of 4.1 ha of land west of Hedon (Site HED 1-7) was carried out in November 1994.

At the time of survey 83% of the site was in agricultural use and 3.4 ha of this falls in Subgrade 3b. The land is limited to this subgrade by soil wetness and workability restrictions.

0.7 ha were classified as Farm Buildings.

CONTENTS

1. INTRODUCTION AND SITE CHARACTERISTICS
2. AGRICULTURAL LAND CLASSIFICATION GRADES

MAP

1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION HOLDERNESS DISTRICT WIDE LOCAL
PLAN SITE HED 1-7

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies 9km east of Hull city centre, on the western side of the village of Hedon. It lies around Grid Reference TA 181 285 and covers 4.1 ha. The land was subject to a detailed survey in November 1994 when soils were examined by hand auger borings at 100m intervals predetermined by the National Grid. A soil profile pit was dug to examine soil characteristics in greater detail. All assessments of the land quality were made 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).

A reconnaissance survey of the area in November 1993 had all of the land on this site mapped as Grade 2.

1.2 Land Use and Relief

At the time of survey 83% of the site was in agricultural use growing grass; and the remainder consisted of Farm Buildings.

The land lies at an altitude of 3m AOD and is level.

1.3 Climate

Grid Reference	: TA 181 285
Altitude (m)	: 3
Accumulated Temperature above 0°C (January - June)	: 1397 day °C
Average Annual Rainfall (mm)	: 614
Climatic Grade	: 1
Field Capacity Days	: 134
Moisture Deficit (mm) Wheat	: 113
Moisture Deficit (mm) Potatoes	: 107

1.4 Geology, Soils and Drainage

The site is underlain by Flamborough Chalk over which lie thick deposits of marine alluvium. Medium to heavy textured topsoils overlie heavy textured subsoils and profiles are poorly drained, falling in Wetness Class IV.

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		
3b	3.4	83
4		
5		
(Sub total)	(3.4)	(83)
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings	0.7	17
Open Water		
Land not surveyed		
(Sub total)	(0.7)	(17)
TOTAL	<u>4.1</u>	<u>100</u>

2.1 Subgrade 3b

All of the agricultural land on this site falls in Subgrade 3b. Profiles are poorly drained (Wetness Class IV) with non-calcareous medium silty clay loam, heavy silty clay loam or heavy clay loam topsoils overlying slowly permeable clay or silty clay subsoils at around 25 cm depth. Soil wetness and topsoil workability limitations are the factors restricting this land to Subgrade 3b.

2.2 Agricultural Buildings

These are found at the eastern edge of the site

MAPS