

AGRICULTURAL LAND CLASSIFICATION  
HOLDERNESS DISTRICT WIDE LOCAL PLAN  
SITES HRN2 AND HRN8  
HUMBERSIDE  
NOVEMBER 1994

ADAS  
Leeds Statutory Group

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## SUMMARY

A detailed Agricultural Land Classification survey of 9.2 ha of land north of Hornsea (Sites HRN2 and HRN 8) was carried out in November 1994.

At the time of survey 100% of the site was in agricultural use and all of this falls in Subgrade 3b. This land is limited by soil wetness and workability restrictions.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT HOLDERNESS DISTRICT WIDE  
LOCAL PLAN SITES HRN2 AND HRN8, HORNSEA

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies approximately 1 km north-west of Hornsea and covers an area of 9.2 ha. Detailed survey work was carried out in November 1994 when the soils were examined by hand auger borings at 100 m intervals predetermined by the National Grid. One soil pit was dug to allow the soils to be described in greater detail. 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 land was in arable use. The land lies at an altitude of approximately 15m AOD and is level to gently sloping with variable aspect.

1.3 Climate

Grid Reference	: TA 200 486
Altitude (m)	: 15
Accumulated Temperature above 0°C (January - June)	: 1373 day °C
Average Annual Rainfall (mm)	: 630
Climatic Grade	: 1
Field Capacity Days	: 142
Moisture Deficit (mm) Wheat	: 109
Moisture Deficit (mm) Potatoes	: 101

1.4 Geology, Soils and Drainage

The site is underlain by Flamborough Chalk and overlain by deposits of boulder clay.

Topsoils are either medium or heavy clay loam over a clayey, gleyed, slowly permeable subsoil. These soils are poorly drained (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	9.2	100
4		
5		
(Sub total)	(9.2)	(100)
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(0)	(0)
<b>TOTAL</b>	<u>9.2</u>	<u>100</u>

2.1 Subgrade 3b

Soils on the site are poorly drained with either a medium or heavy clay loam topsoil and a clayey, gleyed, slowly permeable subsoil (Wetness Class IV). The land is limited to Subgrade 3b by soil wetness and workability restrictions.

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MAPS