

AGRICULTURAL LAND CLASSIFICATION
HARROGATE LOCAL PLAN
SITE 6, BOGS LANE
FEBRUARY 1993

ADAS
Leeds Statutory Centre

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MAFF Ref:-

site6bog.alc.mp

SUMMARY

An Agricultural Land Classification survey of 2.67ha of land at Bogs Lane, Harrogate was carried out in February 1993. The whole site is in agricultural use.

The entire (2.07ha) site falls within Subgrade 3b. Soils consist of medium clay loam topsoils over heavy clay loam or clay subsoils. Profiles are poorly drained and limited to Subgrade 3b by wetness.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT: HARROGATE LOCAL PLAN, SITE 6,
BOGS LANE

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies 2Km north east of Harrogate town centre between Bogs Lane and the disused railway line to Ripon, around National Grid Reference SE325566. Survey work was carried out in February 1993 when soils were examined by hand auger borings at 50m intervals predetermined by the National Grid. One soil profile pit was dug to determine subsoil structure. Land quality was assessed using methods described in "Agricultural Land Classification of England and Wales" (MAFF, 1988).

1.2 Land Use and Relief

At the time of the survey, the entire area was under permanent pasture. The site lies at an altitude of 90m and is level to gently sloping.

1.3 Climate

Grid Reference	:	SE 325566
Altitude (m)	:	90
Accumulated Temperature above 0°C (January-June)	:	1304 day°C
Average Annual Rainfall (mm)	:	764
Climatic Grade	:	2
Field Capacity Days	:	189
Moisture Deficit (mm) Wheat	:	88
Moisture Deficit (mm) Potatoes	:	74

1.4 Geology, Soils and Drainage

The area is underlain by Millstone Grit over which there is a cover of boulder clay (till). Soils consist of medium clay loam topsoils overlying, at between 20cm and 30cm depth, strongly gleyed, slowly permeable, heavy clay loam or clay subsoils. Profiles are all poorly drained (Wetness Class IV) and are similar to those mapped as the Dunkeswick Series by the Soil Survey and Land Research Centre.

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	2.67	100
4		
5		
(Sub total)	(2.67)	(100)
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)		
TOTAL	<u>2.67</u>	<u>100</u>

2.2 Subgrade 3b

The entire site falls within this subgrade. Soils are poorly drained (Wetness Class IV) and consist of stoneless or very slightly stony medium clay loam topsoils overlying stoneless or very slightly stony gleyed heavy clay loam and slowly permeable clay subsoils. Soil wetness is the main factor limiting this site to Subgrade 3b.

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MAP