

**AGRICULTURAL LAND CLASSIFICATION  
HARROGATE LOCAL PLAN  
BOROUGHBRIDGE SITE 6  
JULY 1993**

*ADAS  
Leeds Statutory Group*

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## SUMMARY

An Agricultural Land Classification survey of approximately 12.3 ha of land at site 6 west of Boroughbridge was carried out in June 1993.

All of the land is in agricultural use, of which 7.5 ha falls within Grade 2. Soils on this land are well drained (Wetness Class I) and consist of stoneless to slightly stony medium sandy loam topsoils overlying medium sandy loam, medium clay loam and occasionally heavy clay loam at depth. This land is limited to Grade 2 by slight soil droughtiness.

Subgrade 3a land covers 4.2 ha. Soils are well drained (Wetness Class I) and consist of very slightly stony medium sandy loam topsoils over stoneless loamy medium sand upper subsoils which in turn overlie medium sand lower subsoils. This land is limited to subgrade 3a by droughtiness.

Subgrade 3b land covers 0.6 ha. Soils are poorly drained (Wetness Class IV) and consist of stoneless medium clay loam topsoils over gleyed slowly permeable clay subsoils. Land of this type is limited to subgrade 3b by soil wetness.

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1. AGRICULTURAL LAND CLASSIFICATION

**AGRICULTURAL LAND CLASSIFICATION, HARROGATE LOCAL PLAN,  
BOROUGHBRIDGE SITE 6**

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies ½km west of Boroughbridge and is centred on Grid Reference SE 390667. Survey work was carried out in June 1993 when soils were examined by hand auger borings at a density of one 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: Revised 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. Site altitude is 20m AOD.

1.3 Climate (Common data set for all Boroughbridge sites)

Grid Reference (common point for all sites)	: SE 395 665
Altitude (m)	: 20
Accumulated Temperature above °C (January-June)	: 1379 day°C
Average Annual Rainfall (mm)	: 627
Climatic Grade	: I
Field Capacity Days	: 148
Moisture Deficit (mm) Wheat	: 106
Moisture Deficit (mm) Potatoes	: 97

#### 1.4 Geology, Soils and Drainage

The area is underlain by the Triassic Sherwood (Bunter) Sandstone Group overlain by till, silt and clay and glacial sand and gravel. Soils in the north and a small area in the south east consist of stoneless to slightly stony medium sandy loam topsoils overlying well drained (Wetness Class I) medium sandy loam, medium clay loam and occasionally at depth heavy clay loam subsoil. A band of soils running from the south west to the central eastern side of the site are lighter textured, consisting of medium sandy loam topsoils overlying well drained (Wetness Class I) loamy medium sand and medium sand subsoils at ALC grade on these soils is limited by droughtiness. A small area of medium clay loam topsoils overlying slowly permeable poorly drained (Wetness Class IV) clay subsoils occurs on the eastern edge of the site. Soils of this type are limited by wetness.

## 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	7.5	61.0
3a	4.2	34.1
3b	0.6	4.9
4		
5		
(Sub Total)	(12.3)	(100)
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub Total)		
<b><i>TOTAL</i></b>	<b><u>12.3</u></b>	<b><u>100</u></b>

## 2.1 Grade 2

Land in this subgrade occurs over the northern part of the site and a small part of the south east. Topsoils consist of stoneless to slightly stony medium sandy loam and overlie well drained (Wetness Class I) subsoils of very slightly stony medium sandy loam, medium clay loam and occasionally, below 75cm depth, heavy clay loam. Soils are limited to Grade 2 by slight soil droughtiness.

## 2.2 Subgrade 3a

Land in this subgrade occurs in a band running from the southwest corner to the central eastern side. Topsoils consist of very slightly stony medium sandy loam over stoneless to very slightly stony well drained (Wetness Class I) loamy medium sand upper subsoils which in turn pass into medium sand lower subsoils. These soils are limited to subgrade 3a by soil droughtiness.

## 2.3 Subgrade 3b

Land in this subgrade occurs over a small area in the west of the site. Topsoils consist of stoneless medium clay loam over stoneless poorly drained (Wetness Class IV) slowly permeable stoneless clay subsoils. Profiles of this type are limited to Subgrade 3b by soil wetness.

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*MAP*