

AGRICULTURAL LAND CLASSIFICATION
HARROGATE LOCAL PLAN
BOROUGHBRIDGE SITE 3
JULY 1993

ADAS
Leeds Statutory Group

Job No: 30/93

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SUMMARY

An Agricultural Land Classification survey of approximately 1 ha of land south of Boroughbridge was carried out in June 1993.

0.8 ha of this land was in agricultural use, all of which falls within Grade 2. Profiles are well drained (Wetness Class I) and consist of medium sandy loam topsoils over medium sandy loam to loamy medium sand subsoils. This land is limited to Grade 2 by soil droughtiness.

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1. AGRICULTURAL LAND CLASSIFICATION

**AGRICULTURAL LAND CLASSIFICATION, HARROGATE LOCAL PLAN,
BOROUGHBRIDGE SITE 3**

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site is located 1km south of Boroughbridge and is centred on Grid Reference SE 396654. Survey work was carried out in June 1993 when soils were examined by hand auger borings at a density of four 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 72.7% of the site was in agricultural production, all of which was in arable use. The remainder of the site consisted of non agricultural land. Site altitude was 30m AOD and the site was gently sloping.

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	: 1
Field Capacity Days	: 148
Moisture Deficit (mm) Wheat	: 106
Moisture Deficit (mm) Potatoes	: 97

1.4 Geology, Soils and Drainage

The site is underlain by Bunter sandstone over which there is a cover of glacial drift. Soil profiles consist of very slightly stony medium sandy loam topsoils over very slightly stony medium sandy loam to loamy medium sand subsoil. Profiles are all well drained (Wetness Class I).

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	0.8	72.7
3a		
3b		
4		
5		
(Sub Total)	(0.8)	(72.7)
Urban		
Non Agricultural	0.3	27.3
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub Total)	(0.3)	(27.3)
<i>TOTAL</i>	<u>1.1</u>	<u>100</u>

2.1 Grade 2

All of the agricultural land falls within Grade 2. Profiles are well drained (Wetness Class I) and consist of very slightly stony medium sandy loam topsoils over very slightly stony medium sandy loam or loamy medium sand subsoils. This land is limited to Grade 2 by slight soil droughtiness.

2.2 Non Agricultural Land

This strip of unmanaged land adjacent to the A1 has probably been acquired for the proposed road widening.

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MAP