AGRICULTURAL LAND CLASSIFICATION
HARROGATE LOCAL PLAN
BOROUGHBRIDGE SITE 1
JULY 1993

ADAS
Leeds Statutory Group

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SUMMARY

An Agricultural Land Classification survey of approximately 12.9 ha of land north of Boroughbridge was carried out in June 1993.

12.5 ha of this land was in agricultural use of which 9.1 ha falls within Grade 2. Soils in this grade are typically well or moderately well drained (Wetness Classes I and II) with sandy loam topsoils and upper subsoils and clay lower subsoils. They are limited to Grade 2 by droughtiness.

Subgrade 3a land covers 3.4 ha. Profiles are well drained (Wetness Class I) and consist of loamy sand topsoils and subsoils. This land is limited to subgrade 3a by droughtiness.

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1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site is located immediately north of Boroughbridge and is centred on Grid Reference SE 393674. 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).

1.2 Land Use and Relief

At the time of survey 96.9% of the site was in agricultural production. Of this land, roughly half was in arable use. The remainder of the site consists of urban land (a road). Site altitude is 10m AOD. The site is level to 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. This has been covered by deposits of silt, clay, and sandy till. Most profiles consist of well drained (Wetness Class I) sandy loam material. In places where the subsoil is a medium or heavy clay loam, however, slowly permeable horizons occur and soils are moderately well to imperfectly drained (Wetness Classes II and III).

2. AGRICULTURAL LAND CLASSIFICATION

The ALC grades occurring on this site are as follows:

Grade/Subgrade	Hectares	Percentage of Total Area
1		
2	9.1	70.5
3a	3.4	26.4
3b		
4		
5		
(Sub Total)	(12.5)	(96.9)
Urban	0.4	3.1
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub Total)	(0.4)	(3.1)
TOTAL	**12.9**	**100**

2.1 Grade 2

Grade 2 land covers most of the site. Typical profiles are well to moderately well drained (Wetness Classes I and II) and generally consist of very slightly stony medium sandy loam topsoil and upper subsoils with a medium clay loam lower subsoil. This land is limited to Grade 2 by droughtiness. In places where the lower subsoil consists of slowly permeable heavy clay loam, profiles are imperfectly drained (Wetness Class III) and limited to Grade 2 by slight wetness.

2.2 Subgrade 3a

Subgrade 3a land is found in the south east of the site. Profiles generally consist of a very slightly stony loamy medium sand topsoil and subsoils. Soils are well drained (Wetness Class I) and limited to subgrade 3a by droughtiness.

2.3 Urban

This consists of a road.

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MAP