



AGRICULTURAL LAND CLASSIFICATION
SELBY DISTRICT WIDE LOCAL PLAN
SITE TAD/F
TADCASTER, NORTH YORKSHIRE
MAY 1994

ADAS
Leeds Statutory Group

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SUMMARY

An Agricultural Land Classification Survey was carried out on 1.3 ha of land at Tadcaster, North Yorkshire in May 1994. All the land apart from an area of urban land was in agricultural use.

Subgrade 3a land covers 0.2 ha. Soils with this subgrade consist of medium clay loam topsoils over permeable medium clay loam upper subsoils, in turn over slowly permeable subsoils. Profiles are imperfectly drained and limited to Subgrade 3a by soil wetness.

Subgrade 3b land covers 0.9 ha. Soils consist of medium clay loam topsoils over permeable heavy clay loam upper subsoils, in turn over slowly permeable clay subsoils. Profiles are poorly drained and limited to Subgrade 3b by severe soil wetness.

The remainder of the site (0.2 ha) consists of urban land.

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1. AGRICULTURAL LAND CLASSIFICATION

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TADCASTER, SELBY DISTRICT WIDE LOCAL PLAN

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies approximately 1km north east of Tadcaster town centre, around National Grid Reference SE 500442. Survey work was carried out in May 1994 when soils were examined by hand auger borings at 100m intervals at points predetermined by the National Grid. Extra borings were added to refine grade boundaries. Land quality was assessed using methods outlined 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 the survey most of the land was in agricultural use, permanent grass or set aside. The remaining urban area consists of a bungalow with private gardens.

The site lies between 11m and 13m AOD and is level (0-1°).

1.3 Climate

Grid Reference	: SE 500442
Altitude (m)	: 12
Accumulated Temperature above 0°C (January-June)	: 1395
Average Annual Rainfall (mm)	: 644
Climatic Grade	: 1
Field Capacity Days	: 150
Moisture Deficit (mm) Wheat	: 106
Moisture Deficit (mm) Potatoes	: 97

1.4 Geology, Soils and Drainage

The area is underlain by Lower Red Sandstone with a thick drift cover of Boulder Clay. Soil profiles typically consist of medium clay loam topsoil over a permeable gleyed heavy clay loam upper subsoil. Slowly permeable layers occur between 30 and 40cm depth and drainage is poor (Wetness Class IV). A small area of better drained land occurs in the north west of the site. Soils consist of medium clay loam topsoils over permeable gleyed medium clay loam upper subsoils, in turn over slowly permeable subsoils. Slowly permeable layers occur between 45 and 50cm depth and drainage is imperfect (Wetness Class III).

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	0.2	15.4
3b	0.9	69.2
4		
5		
(Sub total)	(1.1)	(84.6)
Urban	0.2	15.4
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(0.2)	(15.4)
TOTAL	<u>1.3</u>	<u>100.0</u>

2.1 Subgrade 3a

Land in this subgrade occurs in the north west of the site. Profiles consist of imperfectly drained (Wetness Class III) stoneless to very slightly stony medium clay loam topsoils over gleyed permeable medium clay loam upper subsoils in turn over stoneless slowly permeable clay subsoils between 45-50cm depth. These soils are limited to Subgrade 3a by soil wetness.

2.2 Subgrade 3b

The remaining agricultural land falls into Subgrade 3b. Soils consist of stoneless to slightly stony medium clay loam topsoils over gleyed permeable heavy clay loam upper subsoil, in turn over a stoneless slowly permeable clay subsoil. The slowly permeable layer occurs between 30-40cm depth. These soils are limited to Subgrade 3b by severe soil wetness.

2.3 Urban

Urban land occurs over the centre of the site and consists of a bungalow and private garden.

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MAP