



Ministry of
Agriculture
Fisheries
and Food

AGRICULTURAL LAND CLASSIFICATION
SELBY DISTRICT WIDE LOCAL PLAN
TADCASTER SITE A
NORTH YORKSHIRE
MARCH 1994

ADAS
Leeds Statutory Group

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SUMMARY

A detailed Agricultural Land Classification Survey was carried out for Selby District Wide Local Plan on 24.0 ha of land at Tadcaster Site A. Survey work was carried out in April 1989 and March 1994.

All the site is in agricultural use. 10.3 ha falls within Grade 2. Topsoils and subsoils are moderately well drained sandy loams or sandy clay loams (Wetness Class II) and are limited by slight soil wetness.

12.6 ha is graded as 3a. Topsoils are generally sandy clay loam or medium clay loam over similar textured upper subsoils. The lower subsoil is slowly permeable and these profiles are imperfectly drained (Wetness Class III). This land is limited by soil wetness and workability.

The remaining 1.1 ha of land to the east of the site is graded 3b. Topsoils are medium or heavy silty clay loam over clayey slowly permeable subsoils (Wetness Class IV). This land is limited to 3b by severe soil wetness and workability restrictions.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT ON LAND AT TADCASTER SITE
A. NORTH YORKSHIRE. SELBY DISTRICT WIDE LOCAL PLAN

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies about 1km north east of Tadcaster and is centred around National Grid Reference SE 495441. Survey work was carried out firstly in April 1989 with additional areas to the west and east surveyed in March 1994. Soils were examined by hand auger boring at 100m intervals at points predetermined by the National Grid. Additional borings were made to refine grade boundaries and soil profile pits dug to examine the soil in more detail. Land quality assessments were made using the methods described 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

All the land surveyed is in agricultural use, mostly arable. Relief is gentle with variable aspect.

1.3 Climate

Grid Reference	: SE 495441
Altitude (m)	: 20
Accumulated Temperature above 0°C (January-June)	: 1386 day°C
Average Annual Rainfall (mm)	: 656
Climatic Grade	: 1
Field Capacity Days	: 151
Moisture Deficit (mm) Wheat	: 104
Moisture Deficit (mm) Potatoes	: 95

1.4 Geology, Soils and Drainage

Soils are developed upon a thick cover of mostly morainic drift. Lower Red Sandstone bedrock is not exposed within one metre of the surface.

Topsoils are generally sandy clay loam or medium clay loam over similar textured upper subsoils. Lower subsoils are similar in texture, usually gleyed and occasionally slowly permeable (Wetness Class II and III).

A small area of land to the extreme east of the site contains poorly drained soils with medium and heavy clay loam topsoils over clayey, slowly permeable subsoils (Wetness Class IV).

These soils correspond to the Bishampton I association as described 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	10.3	43.1
3a	12.6	52.3
3b	1.1	4.6
4		
5		
(Sub total)	(24.0)	(100.0)
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(0.0)	(0.0)
TOTAL	<u>24.0</u>	<u>100.0</u>

2.1 Grade 2

Land in this grade contains medium clay loam or sandy clay loam topsoils over similar textured upper subsoils. Lower subsoils are gleyed but not slowly permeable (Wetness Class II) and usually are medium clay loam or sandy clay loam. Slight soil wetness and workability limitations restrict this land to Grade 2.

2.2 Subgrade 3a

Land in this subgrade contains similar soils to that graded 2. Topsoils and upper subsoils are usually medium clay loam, however lower subsoils are slowly permeable (Wetness Class III). A moderate soil wetness and workability limitation place this land into Subgrade 3a.

2.3 Subgrade 3b

This land contains heavy silty clay loam topsoils over clayey slowly permeable subsoils (Wetness Class IV). Severe soil wetness and workability limitations restrict this land to Subgrade 3b.

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MAP