



Ministry of  
Agriculture  
Fisheries  
and Food

**AGRICULTURAL LAND CLASSIFICATION  
SILVER ROYD, SCALBY, SCARBOROUGH  
PROPOSED RUGBY CLUB  
DECEMBER 1993**

**ADAS  
Leeds Statutory Group**

**Job No:- 189/93  
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## SUMMARY

An Agricultural Land Classification survey of 7.9 ha of land east of Scalby Road, Scalby was carried out in December 1993.

6.1 ha of this was in agricultural use, of which 0.6 ha is of Subgrade 3a quality. Soils within this subgrade are imperfectly drained, falling within Wetness Class III. Medium clay loam topsoils overlie gleyed, medium clay loam or heavy clay loam upper subsoils and heavy clay loam lower subsoils which are slowly permeable below 50 cm. This land is limited to Subgrade 3a by slight soil wetness and workability restrictions.

5.5 ha of the site is of Subgrade 3b quality. Soils within this subgrade are poorly drained, falling within Wetness Class IV. Medium clay loam topsoils overlie heavy clay loam or clay subsoils which are slowly permeable at around 35 cm. This land is limited to Subgrade 3b by severe soil wetness and workability restrictions. The remaining 1.8 ha of the site is occupied by a sports field and training ground and is classified as Non Agricultural Land.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT ON LAND AT LAND AT SILVER ROYD, SCALBY, SCARBOROUGH, PROPOSED RUGBY CLUB

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies to the north of the village of Scalby. It adjoins the A171 Scalby Road to the west and is centred around National Grid Reference TA 015913. The site was surveyed in December 1993 when soils were examined by hand auger borings at 100 m intervals at points predetermined by the National Grid. Additional borings were made to refine grade boundaries and one soil inspection pit was dug to assess subsoil structure. Land Quality was assessed using the methods described in Agricultural Land Classification of England and Wales: Revised guidelines and criteria for assessing the quality of agricultural land. (MAFF, 1988).

1.2 Land Use and Relief

77 % of the site was in agricultural use at the time of the survey. The remainder consists of a sports pitch and training ground classified as Non Agricultural Land. Most of the agricultural land had been sown to Winter Wheat and a small area was under permanent grass. Site altitude varies between 55 m and 63 m AOD. The land is gently undulating with gradients varying from 1- 50. Aspect is variable.

1.3 Climate

Grid Reference	:	TA 015913
Altitude	:	60
Accumulated Temperature above 0°C (January - June)	:	1308 Day °C
Average Annual Rainfall (mm)	:	736
Climatic Grade	:	2
Field Capacity Days	:	181
Moisture Deficit (mm) Wheat	:	96
Moisture Deficit (mm) Potatoes	:	84

#### 1.4 Geology, Soils and Drainage

The site is underlain by Middle Jurassic Grits which are covered by thick drift deposits of glacial Till (boulder clay). Soil profiles generally consist of medium clay loam, topsoils overlying gleyed medium or heavy clay loam upper subsoils. These pass into heavy clay loam or clay lower subsoils which are slowly permeable at between 35 and 60 cm depth, and thus imperfectly to poorly drained (Wetness Class III - IV). Many are similar to those of the Dunkeswick Series as mapped 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		
3a	0.6	7.6
3b	5.5	69.6
4		
5		
(Sub total)	(6.1)	(77.2)
Urban		
Non Agricultural	1.8	22.8
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(1.8)	(22.8)
<b>TOTAL</b>	<b>7.9</b>	<b>100</b>

### 2.1 Subgrade 3a

Subgrade 3a land occurs in the south western part of the site. Topsoils consist of very slightly stony (5% total, small and medium subround and subangular sandstones and hardstones) medium clay loam. Upper subsoils generally consist of medium clay loam or heavy clay loam and are very slightly stony and gleyed. Lower subsoils, below about 50 cm depth, are composed of slightly stony (15% total, small, medium and large subangular and subrounded sandstones and hardstones) heavy clay loam which is slowly permeable. Profiles are imperfectly drained (Wetness Class III) and the land is limited to subgrade 3a by slight soil wetness and workability restrictions.

### Subgrade 3b

Most of the agricultural land on the site falls within Subgrade 3b. Soil profiles generally consist of very slightly stony (5% total) medium clay loam topsoils overlying gleyed, very slightly stony (2% total), heavy clay loam or clay subsoils which are slowly permeable at around 35 cm depth. These soils are poorly drained, falling within Wetness Class IV and the land is limited to Subgrade 3b by soil wetness and workability problems.

### Non-Agricultural Land

This consists of a sports pitch and training ground in the south of the site.

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MAP