AGRICULTURAL LAND CLASSIFICATION

SITE 'C'
COLBURN, NORTH YORKSHIRE
RICHMONDSHIRE LOCAL PLAN

MAFF
Leeds Regional Office

November 1991
File Ref: 2FCS/5646
Project No: 121/91

lds.ali.SiteC.Col

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AGRICULTURAL LAND CLASSIFICATION REPORT,

1.0 Introduction and Site Characteristics

1.1 Location

National Grid Reference:-	SE 211983
Location Details:-	The site lies to the east of the village of Colburn in North Yorkshire. 3km north-west of Catterick
Site Size:-	11.43 ha

1.2 Survey Methods

Date Surveyed:-	11th November 1991
Boring Density and Spacing Basis:-	One boring per hectare at 100m intervals at points predetermined by the National Grid
Sampling Method:-	By hand auger to a depth of 1.00m
Number of Borings:-	13

All 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)".

This detailed survey supercedes the previous "1" to one mile" survey of the area.

1.3 Land Use:-	The entire site is in arable use
1.4 Climate and Relief	
Average Annual Rainfall (AAR):-	776 mm
Accumulated Temperature above 0°C (January-June):-	1278 day °C
Field Capacity Days:-	193 days
Altitude average:-	80 m a.o.d.
maximum:-	85 m a.o.d.
minimum:-	80 m a.o.d.
Climatic limitation (based on interaction of rainfall and temperature values:-	Grade 2
Relief:-	Gently sloping from south-west to north-east
Slopes (°):-	0-3°
Gradient Limitations:-	None
1.5 Geology and Soil	
Solid Strata:-	Millstone Grit
Depth of solid rock from surface:-	Greater than 1.00m

Drift types:-	Boulder clay
Thickness of drift and distribution:-	Greater than 1.00m across the whole site
Soil Types and Distribution:-	Medium to heavy-textured builder clay soils cover the entire site
Soil Textures (topsoils and subsoils):-	Medium clay loam topsoils overlying heavy clay loam subsoils
Soil Series/Associations:-	
On 1/250000 map:-	Dunkeswick and Brickfield II Associations
Identified on site:-	
Soil Limitations and type:-	Soil workability

1.6 Drainage

Soil type and Wetness Class:-	Soils are all poorly drained and fall in Wetness Class IV
Drainage Limitations:-	Slowly permeable layers start at around 30cm and limit the land to subgrade 3b

2.0 Agricultural Land Classification Grades

The ALC grades occurring on the site are as follows:-

Grade/Subgrade	Hectares	Percentage of Agricultural Area	Percentage of Total Area
1			
2			
3a			
3b	11.43	100	100
4			
5			
Non Agricultural			
Agricultural Buildings			
Urban			
Other			
Total	11.43	100	100

Subgrade 3b

Distribution on site:-	Land in this subgrade covers the entire site
Soil Type(s) and Texture(s):-	Medium to heavy-textured soils consisting of medium clay loam topsoils overlying heavy clay loam subsoils
Depth to Slowly Permeable Layers:-	Slowly permeable layers generally start at depths of around 30cm
Wetness and Drainage Class:-	Soils are all poorly drained and fall in Wetness Class IV
Stone Percentage and Type:-	The soils are very slightly stony with a hard stone content of around 5%
Grade Limiting Factors:-	Soil wetness

Other Limiting Factor(s):- Soil workability

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