AGRICULTURAL LAND CLASSIFICATION

SITE 'A'
COLBURN, NORTH YORKSHIRE
RICHMONDSHIRE LOCAL PLAN

MAFF
Leeds Regional Office

November 1991
File Ref: 2FCS 5646
Project No: 119/91

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AGRICULTURAL LAND CLASSIFICATION REPORT,

1.0 Introduction and Site Characteristics

1.1 Location

National Grid Reference:-	SE 198 983
Location Details:-	The site lies to the west of the village of Colburn, 4km north-west of Catterick in North Yorkshire
Site Size:-	10.29 ha

1.2 Survey Methods

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

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 under ley grass
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:-	104 m a.o.d.
maximum:-	105 m a.o.d.
minimum:-	100 m a.o.d.
Climatic limitation (based on interaction of rainfall and temperature values:-	Grade 2
Relief:-	Very gently sloping from north to south
Slopes (°):-	0-2°
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 boulder 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
Identified on site:-	Dunkeswick
Soil Limitations and type:-	Soil wetness and workability problems

1.6 Drainage

Soil type and Wetness Class:-	All soils are poorly drained and fall in Wetness Class IV
Drainage Limitations:-	Slowly permeable layers occur within 50 cm of surface throughout the site

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	10.29	100	100
4			
5			
Non Agricultural			
Agricultural Buildings			
Urban			
Other			
Total	10.29	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 with medium clay loam topsoils overlying heavy clay loam subsoils
Depth to Slowly Permeable Layers:-	Slowly permeable layers generally start at depths of around 35 cm
Wetness and Drainage Class:-	Soils are poorly drained and fall in Wetness Class IV
Stone Percentage and Type:-	Soils are very slightly stony to slightly stony with 5-10% hard stones
Grade Limiting Factors:-	Soil wetness and workability problems

MAP

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