

AGRICULTURAL LAND CLASSIFICATION

EAST UPSALL FARM
GUISBOROUGH, CLEVELAND
PROPOSED GOLF COURSE DEVELOPMENT

MAFF
Leeds Regional Office

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lds.AL5.Upsal.Frm

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MAP

1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT,

1.0 Introduction and Site Characteristics

1.1 Location

National Grid Reference:- N2560152
Location Details:- 10 km south east of
Middlesbrough city
centre
Site Size:- 99 ha

1.2 Survey Methods

Date Surveyed:- 22 & 23 October 1991
Boring Density and Spacing Basis:- One boring per hectare
carried out at 100 m
intervals at points
predetermined by the
National Grid
Sampling Method:- by hand auger to a
depth of 1.00 m
Number of Borings:- 100

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 supersedes the previous "1" to one mile" survey of
the area.

1.3 Land Use:-	Mainly grassland but with some arable
1.4 Climate and Relief	
Average Annual Rainfall (AAR):-	682 mm
Accumulated Temperature above 0°C (January-June):-	1274 day °C
Field Capacity Days:-	170 days
Altitude average:-	90 m a.o.d.
maximum:-	95 m a.o.d.
minimum:-	85 m a.o.d.
Climatic limitation (based on interaction of rainfall and temperature values):-	Grade 2
Relief:-	Very gently undulating
Slopes (°):-	1-2°
Gradient Limitations:-	None
1.5 Geology and Soil	
Solid Strata:-	Lias clay
Depth of solid rock from surface:-	Greater than 1.00 m
Drift types:-	Boulder clay
Thickness of drift and distribution:-	Greater than 1.00 m across the whole site

Soil Types and Distribution:-

Medium and heavy-textured soils cover most of the site with light-textured and peaty subsoils occurring in parts of the south west

Soil Textures (topsoils and subsoils):-

Generally medium clay loam or heavy clay loam topsoils overlying heavy clay loam or clay subsoils. Lighter-textured soils occur locally

Soil Series/Associations:-

On 1/250000 map:-

Identified on site:-

Soil Limitations and type:-

Dunkeswick

Dunkeswick

Soil wetness or in some cases soil droughtiness

1.6 Drainage

Soil type and Wetness Class:-

Most of the soils are poorly drained and fall in Wetness Class IV. Moderately well drained and imperfectly drained soils (falling in Wetness Class II and III) occur in a few places

Drainage Limitations:-

The presence of slowly permeable layers limits most of the land to subgrades 3a and 3b

2.0 Agricultural Land Classification Grades

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

<u>Grade/Subgrade</u>	<u>Hectares</u>	<u>Percentage of Total</u>
		<u>Area</u>
2	13.80	13.9%
3b	84.18	84.7%
4		
5		
Non Agricultural	0.82	0.8%
Agricultural Buildings	0.41	0.4%
Urban	0.20	0.2%
	—	—
Total	99.41	100
	—	—

Grade 2

Distribution on site:-

In four separate areas-
three in the west & one
in the east of the site

Soil Type(s) and Texture(s):-

Light and medium-
textured topsoils
overlying light, medium
and heavy textured
subsoils. Topsoils
usually consist of
medium clay loam or
medium sandy loam and
overlie medium sandy
loam, medium clay loam
or heavy clay loam
subsoils. Horizons of
peat occur in the west

Depth to Slowly Permeable Layers:-

No slowly permeable
layers occur

Wetness and Drainage Class:-

Soils are moderately
well-drained, falling
in Wetness Class II

Stone Percentage and Type:-

The land in the south-
west of the site is
stoneless. That in the
north and east is
slightly to moderately
stoney, often with
10-20% soft sandstones
or hard stones

Grade Limiting Factors:-

Soils wetness & climate

Subgrade 3b

Distribution on site:-

Land in this subgrade covers most of the site

Soil Type(s) and Texture(s):-

Medium and heavy-textured soils. Topsoils generally consist of medium clay loam or heavy clay loam and overlie heavy clay loam or clay subsoils

Depth to Slowly Permeable Layers:-

Slowly permeable layers generally start at depths of 30-40 cm

Wetness and Drainage Class:-

Soils fall in Wetness Class IV and are poorly drained

Stone Percentage and Type:-

Most profiles are stoneless to very slightly stony with 0-5% hard stones

Grade Limiting Factors:-

Soil wetness

Non Agricultural

Type and location of land included:-

A small area of
deciduous woodland
lying to the east of
East Upsall Farm

Agricultural Buildings

Type and location of building included:-

The farmhouse and
building at East Upsall
Farm, in the centre of
the site

Urban

Type of land use included:-

A farm track leading to
East Upsall Farm

MAP