

AGRICULTURAL LAND CLASSIFICATION

THORPE PARK
HUMBERSTON, CLEETHORPES
HUMBERSIDE

MAFF
Leeds Regional Office

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT: THORPE FARM, HUMBERSTON, CLEETHORPES

1.0 INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location

National Grid Reference:-

TA333 048

Location Details:-

4 Km South East of Cleethorpes
on the Humberside-Lincolnshire
boundary.

Site Size:-

Approximately 23 ha..

1.2 Survey Methods

Date Surveyed:-

17 June 1992

Boring Density and Spacing Basis:-

1 boring per hectare at 100 m
intervals predetermined by the
National Grid.

Sampling Method:-

Hand auger to 1.00 m.

Number of Borings:-

25

Number of Soil Pits (used for):-

1 for soil profile description.

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)".

1.3 Land Use:- Arable (Cereals)

1.4 Climate and Relief

Average Annual Rainfall (AAR):- 617 mm

Accumulated Temperature above
0°C (January-June):- 1404 day °C

Field Capacity Days:- 136 days

Altitude average:- 3 m a.o.d.

maximum:- 4 m a.o.d.

minimum:- 2 m a.o.d.

Climatic limitation (based on
interaction of rainfall and
temperature values):- None

Relief:-

Slopes (°):- 0 - 2°

Gradient Limitations:- None

1.5 Geology and Soil

Solid Strata:-

Upper Chalk

Depth of solid rock from surface:-

Greater than 1.00 m

Drift types:-

Marine alluvium

Thickness of drift
and distribution:-

Greater than 1.00 m throughout
the site.

Soil Types and Distribution:-

Deep medium to heavy silty clay
loam with pockets of medium
sandy loam along the south
westerly boundary. Soils are
calcareous throughout.

Soil Textures (topsoils and subsoils):-

Mainly medium or heavy silty
clay loam top soil over medium
and heavy silty clay loam or
silt loam with pockets of sandy
loam along the western border.

Soil Series/Associations:-
on 1/250000 map:-
Identified on site:-

Agney Association

Agney Association

Soil Limitations and type:-

Mainly wetness, but
droughtiness where sandy.

1.6 Drainage

Soil type and Wetness Class:-

Heavy to medium textured soils,
generally Class II (moderately
well drained), with some lighter
textured subsoils of Class I
(well drained).

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 Area</u>
1	-	
2	22.15	93%
3a	1.67	7%
3b	-	
4	-	
5	-	
Non Agricultural	-	
Agricultural Buildings	-	
Urban	-	
Other	-	
	<hr/>	<hr/>
Total	23.82	100
	<hr/>	<hr/>

Grade 2

Distribution on site:- Most of the site except for a small area in the west.

Soil Types(s) and Textures:- Silty alluvial soils consisting of deep medium and heavy silty clay loams with some silt loam subsoils. Profiles are calcareous throughout.

Depth to Slowly Permeable Layers:- None present.

Wetness and Drainage Class:- Generally Class II but with some Class I profiles.

Stone Percentage and Type:- Soils are mainly stone free.

Grade Limiting Factors:- Slight soil wetness and in places droughtiness.

Subgrade 3a

Distribution on site:- Small area in the south west of the site.

Soil Type(s) and Texture(s):- Calcareous medium clay loam, stony below 50 cm along with some calcareous sandy loams.

Depth to Slowly Permeable Layers:- None present.

Wetness and Drainage Class:- Wetness Class I (well drained).

Stone Percentage and Type:-
0 - 50 cm:- 5 - 10% hard stones.
50 - 100 cm:- 10% + hard stones.

Grade Limiting Factors:- Droughtiness.