



AGRICULTURAL LAND CLASSIFICATION  
CLEETHORPES BOROUGH LOCAL PLAN  
SITE EMPIF (II)  
HUMBERSIDE  
DECEMBER 1994

ADAS  
Leeds Statutory Group

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2 FCS 10385

## SUMMARY

A detailed Agricultural Land Classification of 12.2 ha of land adjoining Manby Road, Immingham was carried out in December 1994.

At the time of the survey the majority of the site was in arable use, the remaining land to the east was unfarmed. The whole of the site falls within Subgrade 3b. Soils consist of heavy silty clay loam topsoils, overlying slowly permeable silty clay subsoils found within 35cm. Heavy textured topsoils over slowly permeable clays combine to create severe wetness and workability limitations over the whole of the site.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT ON LAND AT SITE EMPIR (II)  
IMMINGHAM, HUMBERSIDE

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies approximately 1 km north of Immingham town centre immediately off Manby Road around National Grid Reference TA178169. It covers a total of 12.2 hectares. Survey work was carried out in December 1994 when the soils on the site were examined by hand auger borings at 100m intervals predetermined by the National Grid. In addition a soil pit was dug to assess the soil in greater detail. Land quality was assessed 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).

1.2 Land Use and Relief

At the time of the survey land at the eastern end of the site was unfarmed with two derelict buildings still standing. The remaining land was in arable use, having been sown to cereals. The site is flat at an altitude of 3m AOD.

1.3 Climate

Grid Reference	:	TA 178169
Altitude (m)	:	3
Accumulated Temperature above 0°C (January-June)	:	1402
Average Annual Rainfall (mm)	:	598
Climate Grade	:	1
Field Capacity Days	:	131
Moisture Deficit (mm) Wheat	:	114
Moisture Deficit (mm) Potatoes	:	108

#### 1.4 Geology, Soils and Drainage

The site is underlain by Chalk with a Drift cover of Marine Alluvium. Soils consist of poorly drained (Wetness Class IV) heavy silty clay loam topsoils over gleyed slowly permeable silty clay subsoils. Slowly permeable layers occur within 35cm. Soil profiles are similar to those mapped as the Newchurch 2 Association 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		
3b	12.1	99
4		
5		
(Sub total)	(12.1)	(99)
Urban	0.1	1
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(0.1)	(1)
Total	<u>12.2</u>	<u>100</u>

2.1 Subgrade 3b

All the agricultural land falls within this subgrade. Soils consist of poorly drained (Wetness Class IV), stoneless, heavy silty clay loam topsoils overlying gleyed, stoneless, slowly permeable silty clay subsoils. Slowly permeable layers occur within 35cm causing severe wetness and workability problems.

2.2 Urban

Urban land consists of two derelict buildings to the east of the site.

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MAP