MAFF Ministry of Agriculture Fisheries and Food

AGRICULTURAL LAND CLASSIFICATION
SELBY DISTRICT LOCAL PLAN
SITE EPS/B, TRANMORE LANE,
EGGBOROUGH, NORTH YORKSHIRE
NOVEMBER 1993

ADAS
Leeds Statutory Group

Job No: 171/93
MAFF Ref: EL 48/0091

epsb.doc.rf/mp

SUMMARY

An Agricultural Land Classification survey of 16.7ha of land adjacent to Tranmore Lane, Eggborough was carried out in November 1993.

15.8ha of this land was in agricultural use. All of this is of Subgrade 3b quality. Soils are deep and well drained (Wetness Class I) and consist of light textured material (loamy medium sand or medium sand) throughout the profile. This land is limited to Subgrade 3b by severe soil droughtiness.

The remainder of the site consists of Urban Land (the A19, 0.7ha) and Agricultural Buildings (0.2ha)

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AGRICULTURAL LAND CLASSIFICATION: SELBY DISTRICT LOCAL PLAN, SITE EPS/B, TRANMORE LANE, EGGBOROUGH

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site is located to the north of the village of Eggborough, around National Grid Reference SE 567240. Survey work was carried out in November 1993 when soils were examined by hand auger borings at a density of one boring per hectare at points predetermined by the National Grid. One soil inspection pit was dug to determine subsoil structure. Land Quality was assessed using techniques 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, nearly all of the site was in use as permanent grazing and arable crops. The remainder consists of Urban Land (the A19, Eggborough By-pass) and Agricultural Buildings. Site altitude is approximately 14m AOD and the land is level.

1.3 Climate

Grid Reference	: SE 567240
Altitude (m)	: 14
Accumulated Temperature above 0°C (January-June)	: 1400 Day°C
Average Annual Rainfall (mm)	: 609
Climatic Grade	: 1
Field Capacity Days	: 167
Moisture Deficit (mm) Wheat	: 109
Moisture Deficit (mm) Potatoes	: 100

1.4 Geology, Soils and Drainage

The site is underlain at depth by Triassic Sandstone. Soils are formed in light textured glacio-fluvial drift deposits which form a thick cover over the solid strata. Profiles are deep and well drained, falling within Wetness Class I and generally consist of very slightly stony, light textured material, typically loamy medium sand or medium sand. Thin layers of gleyed, medium textured material (sandy clay loam or medium sandy loam) occur at depth in places. Most soils are similar to those of the Newport 1 Association as mapped by the Soil Survey and Land Research Centre.

2. AGRICULTURAL LAND CLASSIFICATION

The ALC grades occurring on this site are as follows:

Grade/Subgrade	Hectares	Percentage of Total Area
1		
2		
3a		
3b	15.8	94.6
4		
5		
(Sub total)	(15.8)	(94.6)
Urban	0.7	4.2
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings	0.2	1.2
Open Water		
Land not surveyed		
(Sub total)	(0.9)	(5.4)
TOTAL	16.7	100

2.1 Subgrade 3b

All of the agricultural land on the site falls within Subgrade 3b. Soil profiles are deep and well drained, falling within Wetness Class I. Topsoils and subsoils are generally light textured (loamy medium sand or medium sand) and very slightly stony, containing up to 3% of small and medium hardstones. Gleyed, medium textured layers, typically sandy clay loam or medium sandy loam, occur within the subsoil in parts of the site. This land is limited to Subgrade 3b by severe soil droughtiness.

2.2 Urban Lane

This consists of the A19 road which runs from south to north across the site.

2.3 Agricultural Buildings

This refers to a barn and stables in the south eastern part of the site.

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