AGRICULTURAL LAND CLASSIFICATION
HARROGATE LOCAL PLAN
SITE 14, PANNAL HALL FARM
MARCH 1993

ADAS
Leeds Statutory Group

Job No:- 23/93
MAFF Ref:-

site14.doc.mp

SUMMARY

An Agricultural Land Classification survey of approximately 9.7ha of land at Pannal Hall Farm, Harrogate was carried out in March 1993. Most of this is in agricultural use.

Subgrade 3a land covers 1.2ha. Soil profiles are well drained (Wetness Class I) consisting of light to medium textured topsoils over medium textured subsoils. The risk of flooding limits this land to Subgrade 3a.

Subgrade 3b land covers 7.7ha and consists of medium clay loam topsoils over clay or heavy clay loam subsoils. Profiles are poorly drained (Wetness Class IV) and limited to Subgrade 3b by soil wetness.

Urban land covers 0.1ha of land taken up by farm tracks.

Non-agricultural land. The remaining 0.33ha of the site is in non-agricultural use.

CONTENTS

AGRICULTURAL LAND CLASSIFICATION REPORT: HARROGATE LOCAL PLAN, SITE 14, PANNAL HALL FARM

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

The site lies 3km south of Harrogate town centre between All Saints Church Pannal, and the A61 Leeds-Harrogate road around National Grid Reference SE 309517. Survey work was carried out in March 1993 when soils were examined by hand auger borings at 100m intervals predetermined by the National Grid. Land quality was assessed using methods described in "Agricultural Land Classification of England and Wales" (MAFF 1988).

1.2 Land Use and Relief

At the time of the survey most of the site was under permanent pasture. The remainder consisted of urban land (tracks) and other land in non-agricultural use.

The site lies between 78m and 95m AOD and is flat to very gently sloping.

1.3 Climate

Grid Reference	: SE 309517
Altitude (m)	: 90
Accumulated Temperature above 0°C (January-June)	: 1307 day°C
Average Annual Rainfall (mm)	: 795
Climatic Grade	: 2
Field Capacity Days	: 199
Moisture Deficit (mm) Wheat	: 86
Moisture Deficit (mm) Potatoes	: 72

1.4 Geology, Soils and Drainage

The area is underlain by Millstone grit, which is covered by glacial till. Soils are similar to the Dunkeswick Association as mapped by the Soil Survey and Land Research Centre.

Over most of the sites profiles consist of medium textured topsoils, overlying heavy textured subsoils and are poorly drained (Wetness Class IV). Profiles on the west bank of the river are better drained (Wetness Class I) and consist of medium textured topsoils overlying similar textured subsoils.

2. AGRICULTURAL LAND CLASSIFICATION

The ALC grades occurring on this site are as follows:

Grade/Subgrade	Hectares	Percentage of Total Area
1		
2		
3a	1.2	12.3
3b	7.7	79.2
4		
5		
(Sub total)	(8.9)	(91.5)
Urban	0.10	1.0
Non Agricultural	0.33	3.4
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water	0.40	4.1
Land not surveyed		
(Sub total)	(0.83)	(8.5)
TOTAL	9.73	100

2.1 Subgrade 3a

A small area of Subgrade 3a land lies along the western side of the river. Soil profiles are well drained (Wetness Class I) consisting of medium silty clay loam or fine sandy silt loam topsoils overlying medium clay loam or sandy clay loam subsoils. Land is limited to Subgrade 3a by risk of flooding.

2.2 Subgrade 3b

Most of the site falls within Subgrade 3b. Profiles are poorly drained (Wetness Class IV), consisting of medium clay loam topsoils overlying gleyed, slowly permeable subsoils of clay or heavy clay loam texture. Soil wetness limits the ALC grade to 3b.

2.3 Urban

This consists of two tracks running across the site.

2.4 Non Agricultural

A small area in the south western part of the site was used to store farm machinery.

RPT File: 2 FCS 6324
Leeds Statutory Group

MAP