

**AGRICULTURAL LAND  
CLASSIFICATION  
KINGS BROMLEY,  
AD HOC DEVELOPMENT**

**RESOURCE PLANNING TEAM  
ADAS STATUTORY GROUP  
WOLVERHAMPTON**

**Job No: 066/93  
MAFF Ref: EL 37/00073**

**AGRICULTURAL LAND CLASSIFICATION REPORT FOR  
KINGS BROMLEY, AD HOC DEVELOPMENT PROPOSAL**

**1. SUMMARY**

1.1 The Agricultural Land Classification (ALC) Survey for this site shows that the following proportions of ALC grades are present:

Grade 2	5.4 ha	13.8% of the site
Subgrade 3a	23.4 ha	60.0% of the site
Subgrade 3b	5.4 ha	13.8% of the site
Non-Agricultural land	4.6 ha	11.9% of the site
Open water	0.2 ha	0.5% of the site

1.2 The main limitation to the agricultural use of land in Grade 2, Subgrades 3a and 3b is soil droughtiness.

**2. INTRODUCTION**

2.1 The site was surveyed by the Resource Planning Team in November 1993. An Agricultural Land Classification (ALC) survey was undertaken according to the guidelines laid down in 'Agricultural Land Classification of England and Wales - Revised Guidelines and Criteria for Grading the Quality of Agricultural Land' (MAFF 1988).

2.2 The site comprises 39 ha of land, of which 34.2 ha were in agricultural use.

2.3 The site lies to the south of Kings Bromley village and is bounded to the south by Crowley Brook and to the north by Cockshut Lane and Alrewas Road

2.4 The survey was requested by MAFF in connection with an ad hoc development proposal.

2.5 At LUPU's request this was a detailed grid survey at a scale of 1:10000 with a minimum auger boring density of one per hectare. The attached map is only accurate at the base map scale and any enlargement would be misleading.

2.6 At the time of survey the site was predominantly under grass with maize being grown in two fields in the east of the site. One field east of Lichfield Road had been ploughed and a field south of the cricket ground was sown with a fodder crop. The non-agricultural land was in use as a garden nursery.

### 3. CLIMATE

3.1 The following interpolated data are relevant for this site.

Average Annual Rainfall (AAR)	687 mm
Accumulated temperature above 0°C January to June (AT0)	1404 day °C

3.2 There is no overall climatic limitation on this site.

3.3 Other climatic parameters used in the classification of land include:

Field Capacity Days (FCD)	158
Moisture Deficit (Wheat)	101
Moisture Deficit (Potatoes)	92

### 4. SITE

4.1 The assessment of site factors is primarily concerned with the way in which topography influences the use of agricultural machinery. These include gradient, micro-relief and flooding.

4.2 There are no limitations imposed by site factors on the agricultural use of the land.

### 5. GEOLOGY AND SOILS

5.1 The geology of the site is River Terrace, (British Geological Survey, sheets 154/140 Lichfield 1 inch to 1 mile).

5.2 The soils typically have a medium sandy loam topsoil over loamy sand and sand.

### 6. AGRICULTURAL LAND CLASSIFICATION

6.1 Grade 2 occupies 5.4 ha (13.8%) of the site and is located between the football ground and Woodshoot nursery.

6.1.1 The soils typically have a medium sandy loam texture over loamy medium sand and sand at depth. The topsoil and subsoil are slightly to moderately stony.

6.1.2 The limitation to the agricultural use of this land is soil droughtiness.

6.2 Subgrade 3a occupies 23.4 ha (60.0%) of the site.

6.2.1 The soils typically have a medium sandy loam texture over loamy sand and sand at depth. The depth of the sandy loam horizon is shallower than in the area of grade 2. The soils are slightly to moderately stony.

- 6.2.2 The limitation to the agricultural use of this land is soil droughtiness.
- 6.3 Subgrade 3b occupies 5.4 ha (13.8%) of the site. It is restricted to a narrow band west of Woodshoot nursery.
- 6.3.1 The soils typically have a sandy loam texture over loamy sand and sand at depth. The subsoils are very stony.
- 6.3.2 The limitation to the agricultural use of this land is soil droughtiness.
- 6.4 The non-agricultural land on the site occupies 4.6 ha (11.9%) and is being used as a garden nursery.

**6.5 SUMMARY OF AGRICULTURAL LAND CLASSIFICATION GRADES**

Grade/Subgrade	Area (ha)	% of Survey Area	% of Agricultural Land
2	5.4	13.8	16.0
3a	23.4	60.0	68.0
3b	5.4	13.8	16.0
Other land			
Non-agricultural	4.6	11.9	
Open water	0.2	0.5	
Total	39.0	100.0	
Total agricultural area	34.2		100.0

**Resource Planning Team  
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