

**AGRICULTURAL LAND CLASSIFICATION
DALE HOUSE FARM, WARTON, CARNFORTH**

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**AGRICULTURAL LAND CLASSIFICATION REPORT FOR
DALE HOUSE FARM, WARTON, CARNFORTH**

1. SUMMARY

- 1.1 The Agricultural Land Classification (ALC) Survey for this site shows that the whole site is classified as Subgrade 3a (14.0 ha).
- 1.2 The main limitation to the agricultural use of the land is soil wetness.

2. INTRODUCTION

- 2.1 The site was surveyed by the Resource Planning Team in April 1994. An Agricultural Land Classification survey was undertaken according to the guidelines laid down in the "Agricultural Land Classification of England and Wales - Revised Guidelines and Criteria for Grading the Quality of Agricultural Land" (MAFF 1988).
- 2.2 The 14.0 ha site is situated to the north east of Carnforth between the A6 and A6070 roads. The southern boundary is formed by a minor road and the western one by a main railway line. The eastern boundary adjoins agricultural land and the northern boundary is formed by a farm track.
- 2.3 The survey was requested by MAFF in connection with a sand and gravel extraction proposal.
- 2.4 At MAFF Land Use Planning Unit's request this was a detailed grid survey at 1:10000 with a minimum auger boring density of 1 per hectare. The attached map is only accurate at the base map scale and any enlargement would be misleading.
- 2.5 At the time of the survey the site was under grass; part of the site had had maize previously.

3. CLIMATE

- 3.1 The following interpolated data are relevant for the site (SD514737)

Average Annual Rainfall (mm)	1019
Accumulated Temperature above 0°C January to June (day °C)	1388
- 3.2 There is a climatic limitation on the site of Grade 2.
- 3.3 Other relevant data for classifying land include;

Field Capacity Days (days)	241
Moisture Deficit Wheat (mm)	73
Moisture Deficit Potatoes (mm)	57

4. **SITE**

- 4.1 Three site factors of gradient, micro relief and flooding are considered when classifying land.
- 4.2 These factors do not impose any limitations on the agricultural use of the land.

5. **GEOLOGY AND SOILS**

- 5.1 A detailed published geology map of the area is unavailable. Drift deposits of sand and gravel occur which are underlain by Carboniferous Limestone.

6. **AGRICULTURAL LAND CLASSIFICATION**

- 6.1 Subgrade 3a - covers the entire site.
 - 6.1.1 The soil has either a medium clay loam or sandy silt loam texture to depth. These soils are placed in Wetness class I.
 - 6.1.2 The main limitations to the agricultural use of the land is soil wetness.

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