

AGRICULTURAL LAND CLASSIFICATION

TADCASTER BAR (A64), TADCASTER  
Proposed Residential Development

ADAS  
Leeds Regional Office

August 1989  
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AGRICULTURAL LAND CLASSIFICATION REPORT ON LAND AT  
TADCASTER BAR, TADCASTER (NGR SE 499 442)

1. INTRODUCTION AND SITE CHARACTERISTICS

The site adjoins the old Leeds-York road, approximately  $1\frac{1}{2}$  km east of Tadcaster town centre. It covers 1.1 hectares, all of which is in agricultural production.

Survey work was carried out in August 1989 when soils were examined at regularly spaced intervals giving a boring density of approximately 6 borings per hectare. A soil inspection pit was also excavated to provide information on soil structural conditions and gley morphology.

1.1 LAND USE

The site consists of one field which, at the time of survey, was growing wheat.

1.2 CLIMATE AND RELIEF

Average Annual Rainfall is 645 mm.

Accumulated temperature above  $0^{\circ}\text{C}$  between January to June is 1394 day degrees C and the land is at field capacity for about 150 days per year. Although these factors indicate no overall climatic restrictions on ALC grading, Summer Moisture Deficits of 106 mm for winter wheat and 97 mm for potatoes mean that soil droughtiness is slightly limiting for the fine loamy to clayey soils found on the site. The site is virtually level at a mean altitude of 13 metres above OD.

1.3 GEOLOGY

The site is covered by boulder clay over which there is a thin surface layer of sandy to fine loamy drift.

2. AGRICULTURAL LAND CLASSIFICATION GRADES

SUBGRADE 3A

The site falls entirely within this subgrade. Soils consist mainly of stoneless non calcareous sandy clay loam or clay loam topsoils over similar upper subsoils. These usually pass into gleyed and slowly permeable clay between 40 and 60 cm depth.

All profiles fall within wetness class 3 and are limited to subgrade 3a by wetness and topsoil workability problems.

Resource Planning Group  
Leeds RO

14 September 1989

MAP