



AGRICULTURAL LAND CLASSIFICATION  
TYNEDALE DISTRICT LOCAL PLAN  
LAND ADJACENT TO  
A68/A69 ROUNDABOUT  
REF: TM10  
NORTHUMBERLAND  
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ADAS  
Leeds Statutory Group  
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## SUMMARY

5.5 ha of land adjacent to the A68/A69 roundabout at Corbridge were surveyed in detail in November 1994.

All agricultural land (4.7 ha) was graded 3b.

Topsoils were generally medium textured over clayey subsoils in the north of the site and over *medium textured subsoils adjacent to the Corburn stream*. In both cases soil wetness and workability limit the ALC grade of this land.

0.8 ha of woodland are found in the south west of the site.

## CONTENTS

1. INTRODUCTION AND SITE CHARACTERISTICS
2. AGRICULTURAL LAND CLASSIFICATION GRADES

## MAP

1. AGRICULTURAL LAND CLASSIFICATION

# TYNEDALE DISTRICT LOCAL PLAN

## AGRICULTURAL LAND CLASSIFICATION REPORT ON LAND ADJACENT TO A68/A69 ROUNDBOUT, CORBRIDGE, NORTHUMBERLAND

REF: TM10

### 1. INTRODUCTION AND SITE CHARACTERISTICS

#### 1.1 Location and Survey Methods

5.5 ha of land adjacent to the A68/69 roundabout, centroid grid reference NY 986655 were surveyed in detail in November 1994. Soils were examined by hand auger borings at a density of one boring per hectare at locations predetermined by the National Grid. Soil types were examined in greater detail by examination of profile pits. Land quality was assessed using the methods 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 survey 86% of the site was in agricultural use all under grass. A further 0.8% ha was woodland. The land sloped down towards the Corburn stream with slopes of 1-8%. Aspect was generally south and the average altitude 50 m AOD.

#### 1.3 Climate

Grid Reference	NY 986655
Altitude (m)	50
Accumulated Temperature above 0°C (January-June)	1310
Average Annual Rainfall (mm)	643
Climatic Grade	1
Field Capacity Days	171
Moisture Deficit (mm) Wheat	93
Moisture Deficit (mm) Potatoes	80

#### 1.4 Geology, Soils and Drainage

Solid Carboniferous sandstone strata are not exposed within a metre of the surface. Soils are all developed from drift deposits. Those deposits are alluvial adjacent to the Corburn stream and clayey, boulder clay and Head elsewhere.

Soils reflect the drift deposits. Adjacent to the stream they contain sandy loam or sandy silt loam topsoils over similar textural gleyed subsoils. Although generally not slowly permeable (Wetness Class I) those soils are formed in low lying topography and are likely to be wet for long periods of time.

Above the stream topsoils are sandy clay loam or medium clay loam over similar textured or clayey, gleyed, slowly permeable subsoils. These soils are poorly drained (Wetness Class IV).

## 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	4.7	85.5
4		
5		
(Sub total)	(4.7)	(85.5)
Urban		
Non Agricultural		
Woodland - Farm	0.8	14.5
Woodland - Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)	(0.8)	(14.5)
TOTAL	5.5	100

### 2.1 Subgrade 3b

All agricultural land is classified as Subgrade 3b. Soil wetness and workability are the principal limitations on ALC grade. In addition some slopes of 8° are also limiting.

### 2.2 Woodland

Farm Woodland occupies 0.8 ha in the south west corner of the site.

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MAP