

AGRICULTURAL LAND CLASSIFICATION  
AND STATEMENT OF PHYSICAL CHARACTERISTICS

PROPOSED SAND AND GRAVEL QUARRY AT  
DRYHAM LANE, NORTH CAVE, HUMBERSIDE

MAFF  
Leeds Regional Office

August 1990  
Ref 2FCS 4998

lds.AL2.North.cve

CONTENTS

1. Agricultural Land Classification
2. Statement of Physical Characteristics

MAPS

1. Agricultural Land Classification
2. Topsoil Resources
3. Subsoil Resources



LAND USE

All the site is currently in arable use growing cereals and sugar beet.

AGRICULTURAL LAND CLASSIFICATION

Subgrade 3b (11.9 hectares, 100% of total area) :

All the site falls within subgrade 3b. Although these soils are freely drained and easy to work for most of the year they are significantly droughty and are liable to blow (wind erode). Consequently they can be graded no better than 3b.

Resource Planning Group  
Leeds Regional Office  
August 1990

## STATEMENT OF PHYSICAL CHARACTERISTICS

One soil type occurs on the site, descriptions of which are given below. Topsoil and subsoil resources are shown on the accompanying maps along with soil depth and quantity information.

### TOPSOILS

The topsoil is a dark greyish brown loamy fine sand with a few small angular chalk stones. It is unmottled and has a moderately developed medium subangular blocky structure. This soil corresponds with unit T1 on the topsoil resource map.

### SUBSOIL

The upper subsoil is also very light textured, usually a yellowish brown loamy sand or occasionally sand. It is very slightly stony with a very weak fine subangular blocky structure. This passes onto a chalky gravel deposit at about 75 cm depth. The upper subsoil corresponds with unit S1 on the subsoil resource map.

DRYHAM LANE, NORTH CAVE

Soil Profile Description

Land Use        Arable  
Slope            0°  
Weather         Recently very dry

Horizon  
(cm)

0-30            Dark greyish brown (10YR 4/2) unmottled, stoneless loamy fine sand; dry; moderately developed fine subangular blocky; many fine pores and fissures; moderately weak; many fine fibrous roots; sharp smooth boundary.

30-89           Yellowish brown (10YR 5/6) loamy medium sand; unmottled; very slightly stony with a few angular chalk stones; dry; weakly developed medium and fine subangular blocky structure; many fine pores and fissures; very weak soil strength; few fine fibrous roots; clear wavy boundary to chalky gravel.

89-120          Chalky gravel deposit.