



Ministry of
Agriculture
Fisheries
and Food

AGRICULTURAL LAND CLASSIFICATION

Proposed Waste Incinerator

Salt End, Hedon, Hull

MAFF

Leeds Regional Office

November 1991

File Ref: 2FCS 5608

Project No: 114/91

CONTENTS

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

MAP

1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT, Salt End, Hedon, Hull

1.0 Introduction and Site Characteristics

1.1 Location

National Grid Reference:-

TA 168277

Location Details:-

7 km east of Hull City
Centre immediately east
of Hedon Haven

Site Size:-

7.0 hectares

1.2 Survey Methods

Date Surveyed:-

25th October 1991

Boring Density and Spacing Basis:-

1 boring per hectare on
a grid predetermined by
the National Grid

Sampling Method:-

By hand auger to a
depth of 1 m

Number of Borings:-

5

All land quality assessments were made 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)".

This detailed survey supersedes the previous "1" to one mile" survey of the area.

1.3 Land Use:-

Most of the site is in arable use. The area adjoining Hedon Haven, however, consists largely of derelict land containing tipped rubble and other waste

1.4 Climate and Relief

Average Annual Rainfall (AAR):-

612 mm

Accumulated Temperature above 0°C (January-June):-

1397 day °C

Field Capacity Days:-

134 days

Moisture Deficit:

wheat:-

114 mm

potatoes:-

107 mm

Altitude average:-

m a.o.d.

maximum:-

m a.o.d.

minimum:-

m a.o.d.

Climatic limitation (based on interaction of rainfall and temperature values):-

None

Relief:-

Flat except for steep banks around the river and the derelict area

Slopes (°):-

0° on the agricultural land

Gradient Limitations:-

None

1.5 Geology and Soil

Solid Strata:-

Chalk

Depth of solid rock from surface:-

At considerable depth

Drift types:-

Marine alluvial clays

**Thickness of drift
and distribution:-**

Several metres over the
whole agricultural area

Soil Types and Distribution:-

Poorly drained heavy
alluvial clay soils
cover the whole
agricultural area

Soil Textures (topsoils and subsoils):-

Silty clay or heavy
silty clay loam
topsoils over silty
clay subsoils

Soil Series/Associations:-

On 1/250000 map:-

Newchurch

Identified on site:-

Wallasea

Soil Limitations and type:-

Heavy non calcareous
topsoil texture

1.6 Drainage

Soil type and Wetness Class:-

All soils are
imperfectly or poorly
drained (Wetness Class
III and IV)

Drainage Limitations:-

Slowly permeable
subsoils

2.0 Agricultural Land Classification Grades

The ALC grades occurring on the site are as follows:-

<u>Grade/Subgrade</u>	<u>Hectares</u>	<u>Percentage of Agricultural Area</u>	<u>Percentage of Total Area</u>
3b	4.84	100%	68%
Non Agricultural	0.31	-	4%
Urban	2.00	-	28%
 	<hr/>	<hr/>	<hr/>
Total	7.15	100	100
	<hr/>	<hr/>	<hr/>

Subgrade 3b

Distribution on site:-

All agricultural land

Soil Type(s) and Texture(s):-

Heavy non calcareous
alluvial clay soils
consisting of silty
clay or heavy silty
clay loam topsoils over
silty clay subsoils

Depth to Slowly Permeable Layers:-

35-40 cm

Wetness and Drainage Class:-

Imperfectly to poorly
drained (Wetness Class
III and IV)

Stone Percentage and Type:-

Stoneless

Grade Limiting Factor(s):-

Workability problems
caused by heavy topsoil
texture and winter
wetness

Non Agricultural

Type and location of land included:-

River embankment at the south western end of the site

Urban

Type of land use included:-

Derelict area adjoining Hedon Haven containing some rubble and other waste materials

Resource Planning Group
Leeds Regional Office
November 1991

MAP