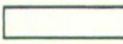
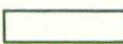

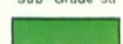
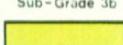





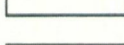


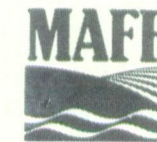
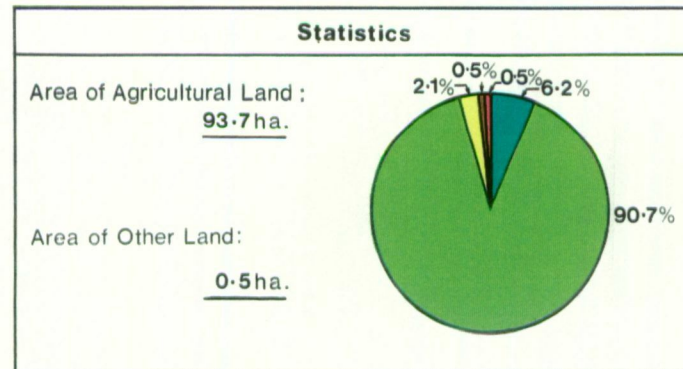
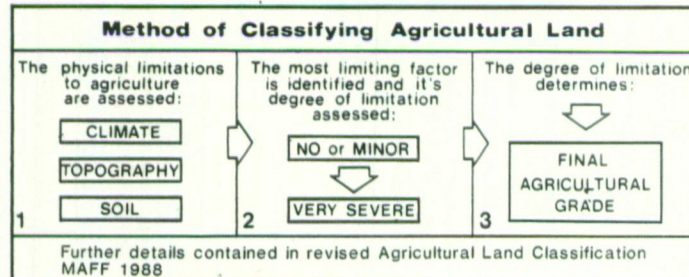
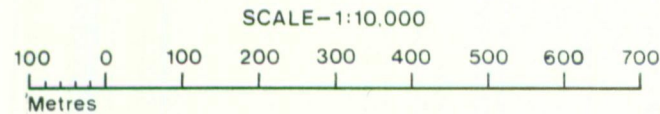
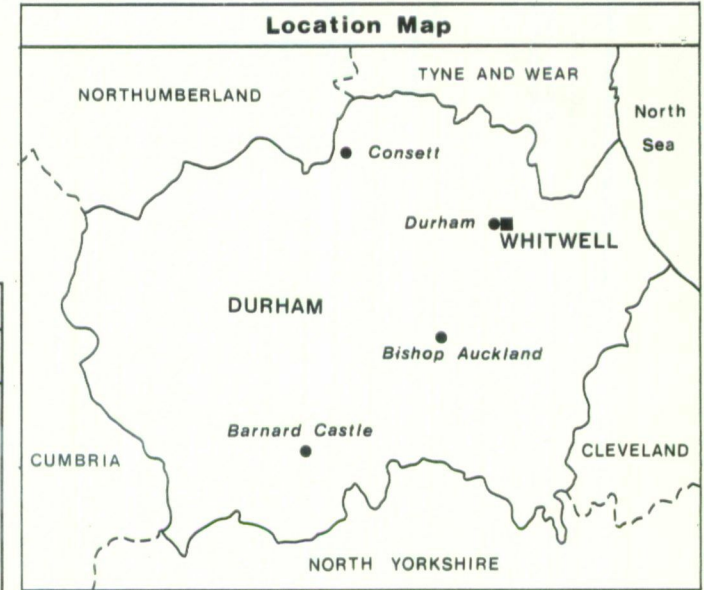


WHITWELL

Proposed Drift & Opencast Mine Agricultural Land Classification

Agricultural Land			
Agricultural Grades		Agricultural Land Quality	Area within the site (ha.)
Grade 1		Excellent	Nil
Grade 2		Very Good	Nil
Grade 3		Good	5.8
		Moderate	85.4
Grade 4		Poor	2.0
Grade 5		Very Poor	0.5

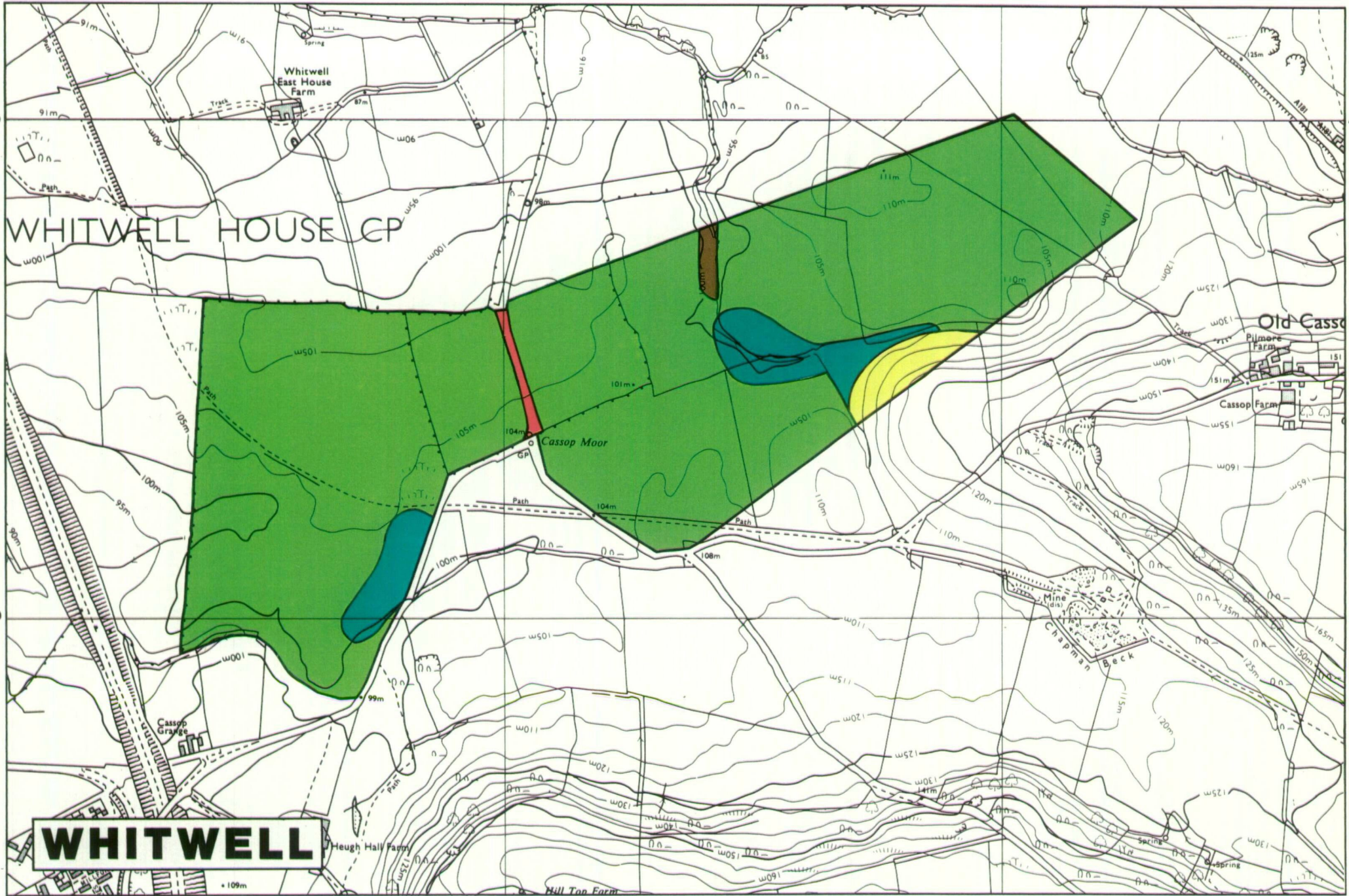
Land in Other Categories		
		Area within the site (ha.)
Urban <i>Including housing, industry, commerce, derelict land, sports facilities, transport.</i>		0.5
Non-agricultural <i>Including golf courses, parks, sports fields, allotments, airfields.</i>		Nil
Woodland <i>Farm woodland</i>		Nil
<i>Commercial woodland</i>		Nil
Agricultural buildings <i>Including glasshouses</i>		Nil
Open water		Nil
Land not surveyed		Nil



Ministry of Agriculture,
Fisheries and Food.

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SOURCE MAPS
NZ 34 SW
1:10,000
NZ 33 NW



WHITWELL

Whitwell a.c.s. a Drift mine
NZ 33 NW - 34 SW. 1:10,000
Bonings 1 per ha.
(100m grid)

WHITWELL HOUSE CP

Cassop Moor

Old Cassop

Pilmere Farm

Cassop Farm

Running Waters West

Running Waters

Running Waters Quarry (disused)

Chapman Bridge

Whitwell House Farm

Whitwell Farm

Whitwell East House Farm

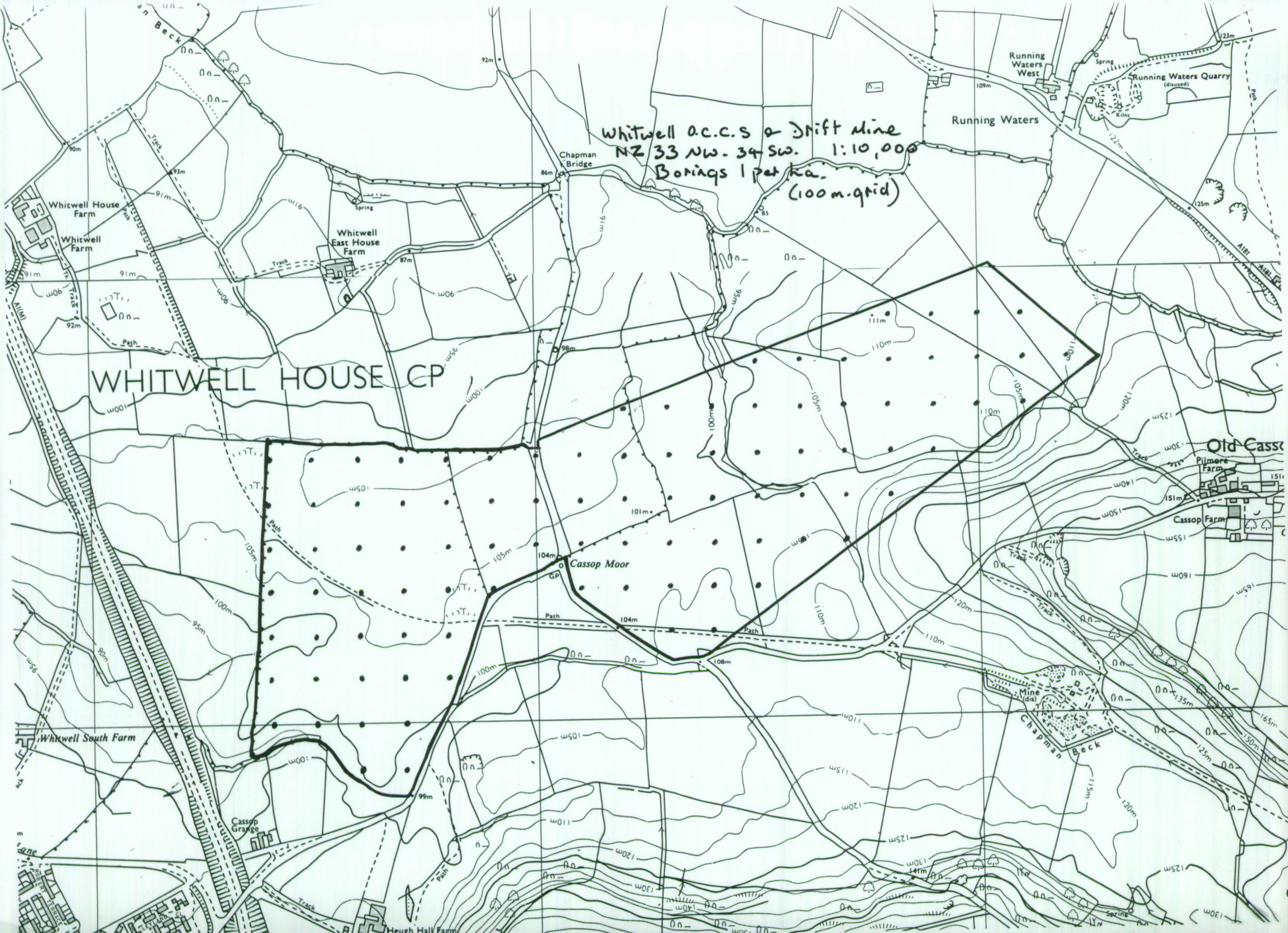
Whitwell South Farm

Cassop Grange

Heugh Hall Farm

Chapman Beck

Mine (dis)

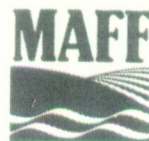
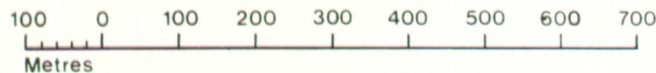


WHITWELL

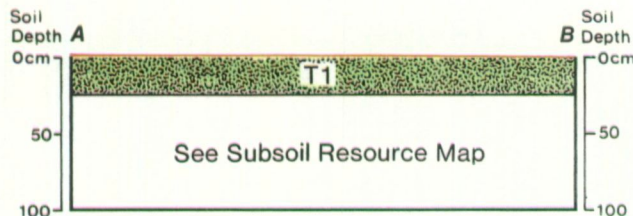
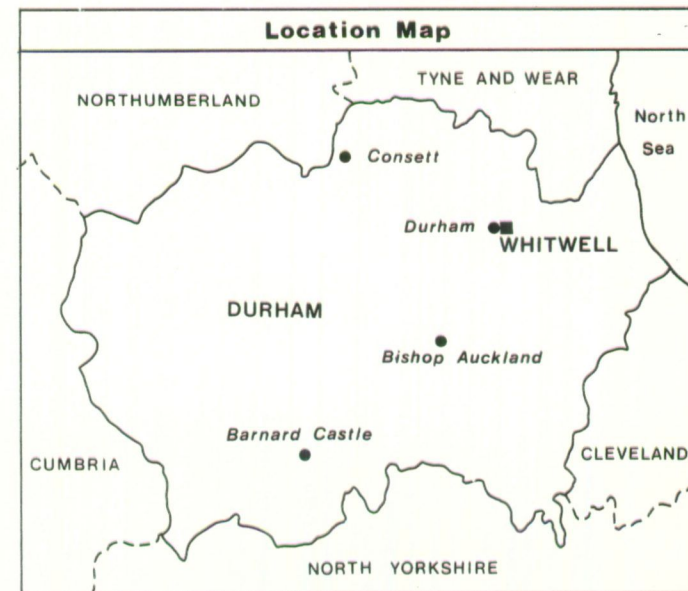
Proposed Drift & Opencast Mine

Topsoil Resource Map

SCALE - 1:10,000



Ministry of Agriculture,
Fisheries and Food.



Unit	Soil Texture	Soil Thickness(cm)			Area (ha)	Volume* (000m ³)
		Min.	Mean	Max		
T1	Medium/Heavy	20	25	30	38.4	96.0

* Volume at mean soil thickness.

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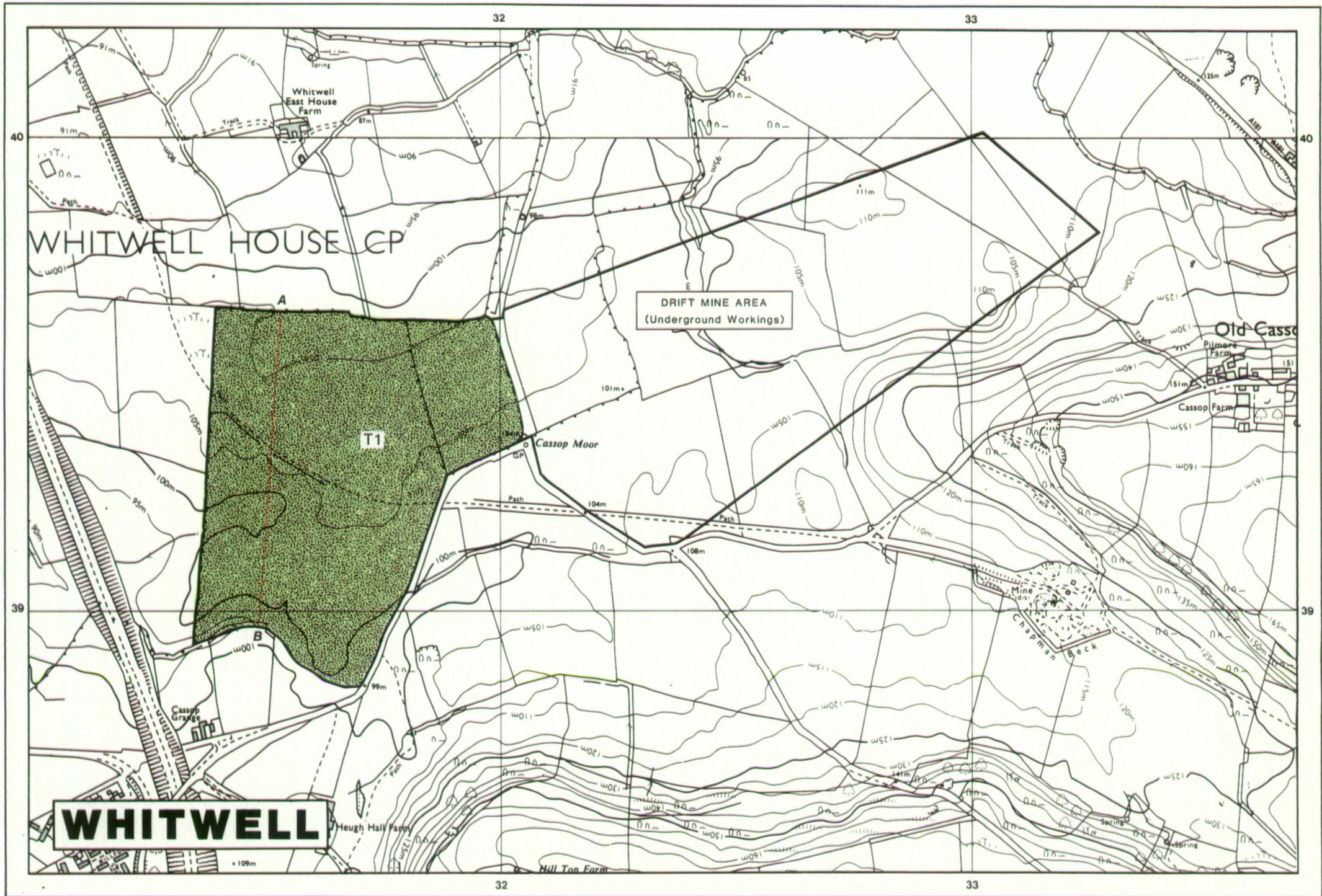
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SOURCE MAPS

NZ 34 SW

1:10,000

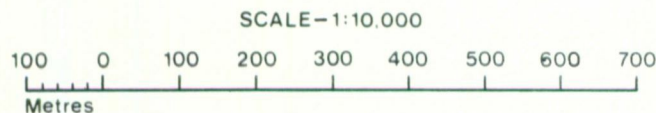
NZ 33 NW



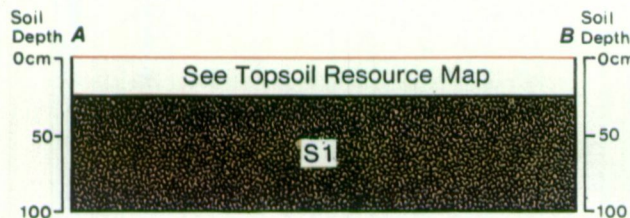
WHITWELL

Proposed Drift & Opencast Mine

Subsoil Resource Map



Ministry of Agriculture,
Fisheries and Food.



Unit	Soil Texture	Mean Soil Thickness(cm)	Area (ha)	Volume (000m ³)
S1	Heavy	75	38.4	288.0

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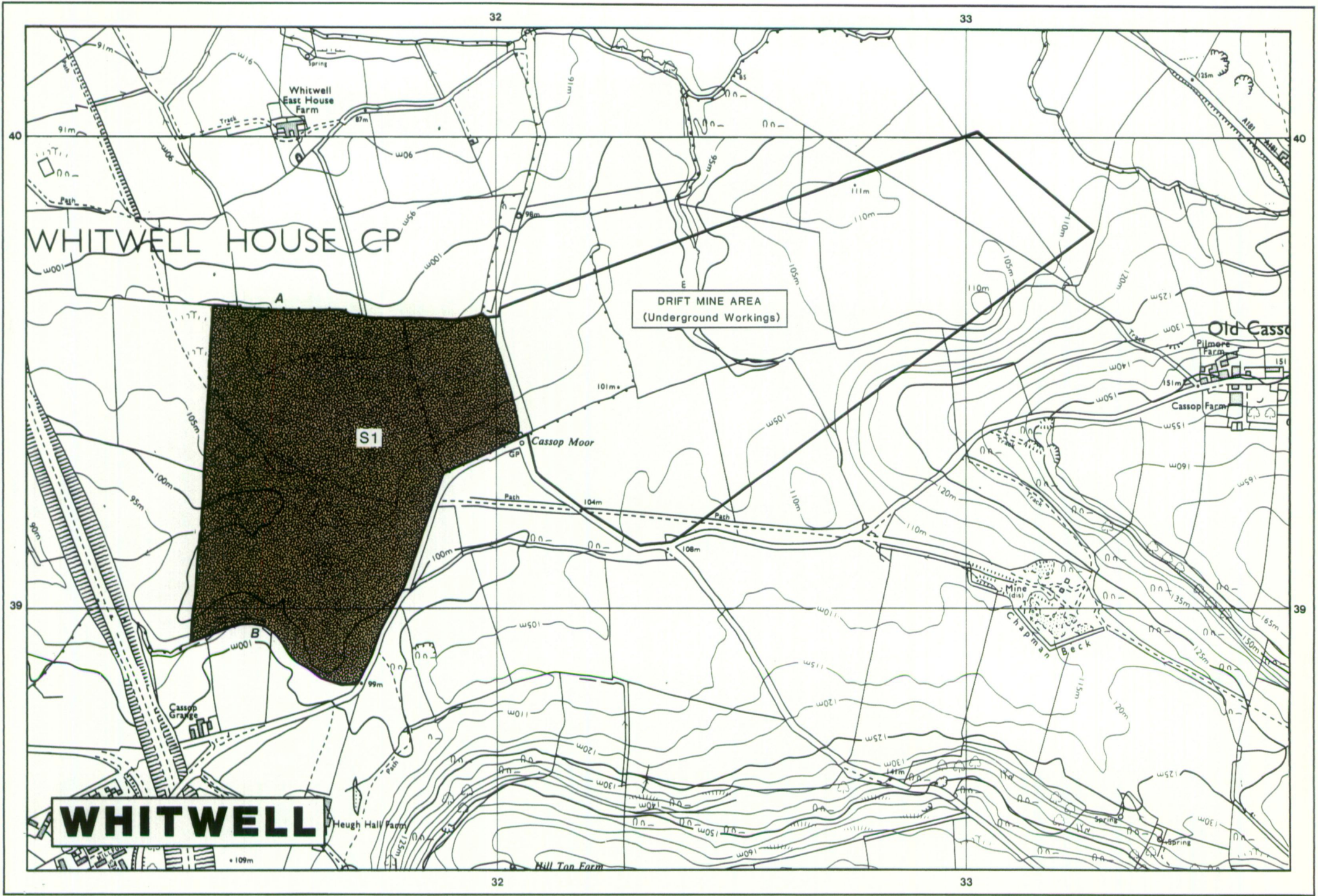
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SOURCE MAPS

NZ 34 SW

1:10,000

NZ 33 NW



WHITWELL HOUSE CP

DRIFT MINE AREA
(Underground Workings)

S1

WHITWELL

32

33

40

40

39

39

32

33