

SITE NAME: SIZEWELL
 PROFILE NUMBER: AB45
 PIT 1
 SLOPE AND ASPECT: 10° → E
 LAND USE: Cereals
 Av Rainfall: --
 ATO: --
 FC Days: 103
 Climatic Grade: --
 PARENT MATERIAL: Sand
 Clay

Horizon Number	Lowest Av Depth	Matrix and Ped face Colours	Texture	Stoniness: Size, Shape and Type	Mottling Abundance, Contrast Size and Colour	Structure: Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots Abundance, Size and Nature	Calcium Carbonate Content	Mangan. Concs. etc	Horiz. Bedding Distinct and Fo
1	37.	10YR 4/3	LMS	1-20% flints	---	---	---	---	---	few P+V F	NON	---	Abundant Wavy
2	100	10YR 6/6	MS	2-3% flints STONY BAND AT BASE OF LAYER	NMS	Apedal (MASSIVE) in summer would be single grain probably.	NONE	MODERATE	v. friable	* few if any. - common in structure	NON	NONE	Abundant Smooth
3		10YR 6/8	MS	3-4% flints	NMS	---	---	moderate	---	---	NON	NONE	↓ base

Depth to Slowly Permeable Horizon: -
 Wetness Class: -
 Wetness Grade: -

Available Water: Wheat :-
 Potatoes: -
 Moisture Deficit: Wheat :-
 Potatoes: -
 Moisture Balance: Wheat :-
 Potatoes: -
 Droughtiness Grade: -

Final ALC Grade: 3b/4
 Main Limiting Factor(s): Drought.
 Remarks: - Slight compacted layer at base of t/s - sli darker colour.

SITE NAME: Sirewell C PROFILE NUMBER: AB196
PIT 2 SLOPE AND ASPECT: 10° DN LAND USE: Sugar Beet
 Av Rainfall: PARENT MATERIAL: Sand
 AFD: Clay
 FC Days: 103
 Climatic Grade:-

Horizon Number	Lowest Av Depth	Matrix and Ped face Colours	Texture	Stoniness: Size, Shape and Type	Mottling Abundance, Contrast Size and Colour	Structure: Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots Abundance, Size and Nature	Calcium Carbonate Content	Mangan. Concn. etc	Horiz Bounda Distinc and Fo
1	35/40	10YR 4/3	<u>MSL</u>	1-2% flints.	—	—	—	—	—	Common fr + vf.	NON	—	Clear undulatory
2	50	7.5YR 4/6	<u>LMS</u>	2% flint pebbles.	—	Weak loose platy at top below = w/ dev + coarse SAB.	none	Ave/ Good.	V. friable	Common fine + v fine	NON	none	Clear wavy
3	65	10YR 5/6	<u>SCL</u>	1% flints	<u>NMS</u>	Coarse prismatic mod dev	>0.5% worm.	Poor	firm	—	—	—	Gradual
4	90	10YR 5/6	<u>SC</u>	1% flints	<u>NMS</u>	Coarse prismatic mod dev.	70.5% worm.	Poor	firm	Common but mainly in worm channels	NON	—	Clear Smooth
5	↓ 110 bank	10YR 5/6	<u>MSL</u> (fine sand)	1% flints.	<u>NMS</u>	Platy.	70.5%	Mod.	firm	Few	NON	—	base of pit

Depth to Slowly Permeable Horizon:-
 Wetness Class :- WCI
 Wetness Grade :-
 Available Water! Wheat :-
 Potatoes:-
 Moisture Deficit Wheat :-
 Potatoes:-
 Moisture Balance Wheat :-
 Potatoes:-
 Droughtiness Grade:-
 No 2 decib Ave + low smel.

Final ALC Grade :-
 Main Limiting Factor(s) :- Drought
 Remarks:- Shi compaction at top of 2nd horizon

Writing in the Rain
and in all wet conditions

NOTEBOOK

Sizewell

17/11/93

MRW

Refill pads from:

Hawkins and Manwaring,
Westborough, Newark,
Notts. Tel: (0400) 81492



147 - flat / grass (sheep).

104R 3/3 LMS

50 1-2% stae

104R 3/4 3-4% stae

80 LMS / MS

104R 4/6 CS

110+

wc 1

Dr 9~~4~~

130 1°NE / grass

104R 3/3

1-2% stae

LMS

33

7.57R 3/2

LMS

podzol layer at 50cm

50

7.54R 3/4 C + MS

7.54R 2/1 at 75 cm CS

Imp at 80 cm rounded gravel.

WC I / G4 Dr

139 flat / grass

7.54R 3/2 LMS

1-2 stone

45

7.54R 2.5/2 M⁺C/S

3-4% stone

75

7.54R 2.5/3 MS

4
on Dr

80-85 v stay (20%)

85

7.54R 2.5/3 LMS stoneless ↓ 100+

141 / flat 1 grass 5-8% stone
10.7R 2/2 LMS

— 35 —

7.54R 3/2 10-15% stone

— 65 — MS

10.4R 3/2 15-20% stone

stone becoming less at 75 MS

— 90 —

7.54R 2.5/1 LMS

no stone.

— 100+ —

WCI

Dr 94

132 flat / grass

surrounded by sheep.

104R 3/2 5-6% stone LMS

— 38

7.54R 3/2 3-4% stone
MS

— 70

7.54R 2.5/2 1% stone
MS

— 75

104R 5/8 CS / MS
=

Imp at 85 cm.

WC I | Dr 94

123 / $1\frac{1}{2}$ -1° N - grass
5-6% stone LMS / MS
10 YR 2/2

— 40 —
8-10% stone M+CS
10 YR 2/1

— Imp at 60 cm —
WCT / Gr 4 Dr.

151 flat / s. keet.
10 YR 4/3 3-5% stone LMS

— 40 —
10 YR 4/2 5-6% stone MS

— 60 —
10 YR ~~4/3~~ 4/4 6-8% Stone MS

→ 100+

WCI

Dr 94?

161 1-2° S N / s. bent
104R 4/3 MSL/LMS
3-5% stone
35

3-4% stone LMS
104R 4/4

100+

171 1° N — s. bent
3-4% stone 104R 4/4 LMS
40

104R 4/6 1-2% Stone M.S
increasing stone with depth
10% stone at 65m

85

104R 5/6

CS / MS
mix

240
100⁺
flat

104R 3/2

1-2% stone
45

Cereal stubble.

LMS

104R 4/3

no stone

V Wet at 60

LMS / MS

75

104R 4/3

no stone

MS

V. wet

100

wet

Dr G.

(4)?

226 20 E / cereal stubble
104R 4/4 no straw MS

35
104R 3/6 stainless MS

68
104R 5/8 stainless MS

100+
WCI Dr 9 (4)

210 10 E - cereal stubble
104R 4/4 2-3% straw LMS (just)

35
104R 5/8 stainless MS

WCI Dr 9 (4)

208 / flat (top of ridge) cereal stubble
104R 4/4 LMS

3-4% store

— 35 —

7-8% store

MS

104R 3/4

— 55 —

104R 5/6 15-18% store C+MS

Imp at 75

WCI

Dr Gr.



193 / bottom of slope / cereal stubble
104R 4/4 5% store LMS/MS

— 35 —

104R 4/4 7-8% store MS

→ 100+ decrease in stores none 80
↓ wet 85+

WCI

Dr G.

(A)?

224 2-3°S - cereal stubble

2° store

10YR 4/4

MS

45

10YR 4/6

storeless

MS

changes to 10YR 3/6 at 70cm MS

" " 10YR 4/6 at 95cm MS

WCI

Dr G.

(A)?

223

1°S / cereal stubble

5-6° store

10YR 4/6

MS

35

10YR 5/8

storeless

MS

10YR 6/8

at 55cm

MS

25Y 6/6

at 75cm

MS

(A)

2.54 5/6 at 95cm MS

1007

WCI

Dr G, (4)

207 flat/windy-waste ground
many tyre tracks - much wind
blown fine sand on surface.

104R 4/4 3-5% stone MS

28

104R 6/8 1-2% stone MS

85

104R 8/6 stoneless SCL

90

104R 6/8 stoneless MS

WCI

Dr G

(4)

23-8 1°N - cereal stubble

10 YR 4/4
1-2% stone MS

35
7.5 YR 4/3 stoneless MS

7.5 YR 4/4 at 75cm MS

10 YR 5/8 at 95cm MS

WCI DrG.

④.

112 10 YR 4/3 bottom of slope / cultivated
3-4% stone MS

Light sand erosion on surface

30
7.5 YR 4/6 < 1% stone MS

10 YR 4/6 at 80cm
5% gravel at 80cm.

10YR 5/8 at 95 cm MS

100+

WCI Dr 9 (4).

106 flat / cultivated cereals
w/w?
blown sand on surface

10YR 4/3 3-5% stone LMS / MS
=

35

7.5YR 4/4 < 1% stone MS

10YR 5/8 at 90 cm

100+

WCI Dr 9 (4).

24 1% — cereal stubble

1-2% stone

LMS

104R 4/4

— 40 —

104R 4/6 < 1% stone

MS

104R 5/8 at 65 a

MS

104R 6/6 at 90 a

— 100+ —

WCI

Dr. f.

④

36 104R 4/3 flat / cereal stubble
2-3% stone MS

— 35 —

~~104~~ 7.5 4R 3/4

MS

— 55 Very stony at 50 - broke auger.

104R 5/6 3-4% gravel. MS

104R 5/6 at 90cm CS
very compact.

— 160⁺

WCI

DrG

④.

45 flat / cultivated
2-3% store 104R 4/3 MS

← 38

104R 4/6

4-5% store

MS

— 75

104R 5/6

4-5% store

MS

← 100⁺

WCI

DrG, ④.

57 flat / s. bent
104R 4/2 3% stone MS

40
104R 4/2, 3% stone MS

65
7.5 YR 3/2 MS

85
7.5 YR 3/4 MS

100⁺
WCI Dr G (4)

84 flat / skirt.
104R 3/2 3% stone MS

35
10 YR 4/2 4% stone MS

from 75 cm d/brown streaks
apparent

— 95 —————
104R 4/6 stoneless MSL

— 100 —————
WC I Dr G. (4/36?)

93 flat / sheet.
104R 3/2 1-2% stone MS

— 35 —————
104R 4/3 2-3% stone MS

50-75 8-10% stone
black streaks at 70 cm.

— 80 —————
104R 5/8 12-15% stone CS

Imp at 90 cm
WC I Dr G. (4)

85 = 1° N - s/beet.
Large bare patch at the AB.

104R 4/4

35 3-4% store MS

104R 5/8 5-6% store MS

70

104R 5/6 10-12% store MS

Imp at 90 cm

WCI Dr R,



71 flat / s/beet
just out from trees

104R 4/4 6-7% store MS

35

104R 5/8 8-10% store M/CS

definitely CS at 85+

— 100

—————

WCI

Dr 9

④

46 3°S - cereal stubble
104R 4/3 2-3% store MS

— 4° —————>
104R 4/6 4-5% store MS
1-2% store at 70
storeless 90+

100+
WCI Dr 9

37 Flat / cereal stubble
10-12% surface store
3-4% profile 104R 4/2 MS

— 40 —————
104R 4/4 6-7% store MC/S

60-70 10-12% store

— 75 —————
104R 3/3 15% store CS

— 90 —————
104R 2/2 15% store LCS
— 95 —————

107R 2/2 6-8% stone CS

— 100 —————

WC I. Drg

240
20
130
45

300
30
160
500

SIZEWELL C

FCD 103

AB 155

Blue ground
2-32 DN

2-30% t/s stone

2.574/4

LMS

NON CALC

2-30% stone

104R4/4

(M)S

40

non calc

sm. areas 104R6/6 60+

Some little black bits - nit ma

pins so bec matrix color. 75+

100

NO SPL - we'd but

DR

$$\frac{LS}{S} = 4?$$

AB165

1-2° DN. 2-3% ~~stone~~ ^{SWT.}
SA? wash seed??

104R4/4

LB

neg stone
non calc

104R5/8

m S.

35

1-2%
Stone.

bec shi yellower with depth

100

Dr prob - 4?

AB175 Flat-top of rise
4-5% tot ~~stone~~ - 2% > 2cm
was in seed?!

104R5/4 LS non calc

1-2% stone

ditto but wet
+ stone (40%).

— 27
LS

— 35

ES

stone layer
(gutter). 6-7%?

104R5/4
104R4/3

Sand grains be fairly large.

— 70

104R6/6

m S

1-2% stone

100

Or prob. 4.

184

Ditto last but
only 2-300 stone

104R 4/3

LS

Neg Stone
non calc.

————— 40

104R 4/3

LS

Coarse sand

6-7% stone

NMS

————— 50

104R 4/3

NMS

ES

Sand less coarse

Neg
stone

————— 75

104R 4/4
+ 4/3.

S

7-8% skip

NMS

gritty

no mn

————— 100

WCT - DR Proster
— 4?

AK 198

Ditto - flat

3-4% surf. stone
290-22cms

Was linseed.

104R 4/3

LS

non calc

neg stone.

104R 5/6

m S:

30.

neg stone

bec paler with depth ↓

104R 7/6 ish:

NMS

no Mn.

90.

wci - Dr problem

→ 47

AB214 Next field, flat base
v1 - 2010 surface store

104R 4/4 LS/SL . neg store
v. shi calc
(lined?)

104R 5/4 45
fotte m S neg
swabs ↓ store
bec golden NMS.
— 90.

WCR - Dr problem
4/36

Behs 229 + ~~230~~ winter depression
with a pond. Some scrubby growth
in h. sq -

Did quick AB - SL - wet.
 C - yellow matrix
 CDOTGM

STONY AREAS IN
 FIELD.

AB 229 - Flattish 10 → 5+E, 5% surf st? - kiddle.
 Weedy

104R4/3 SL v sh calc
 neg stone

104R5/4 SL/LS 35
 NMS 45

7.51R4/4 LS NMS 60

↓
 merges m S 90.
 to golden sand

WCI - Dr prob 3h/4.

AB243

F²⁰ → S. Brev + med
2-30% stone ~~was Spuds~~

104R 4/3

LS

non calc
neg Stone

————— 35

104R 5/6

MS

NMS



bee
golden brown
with depth

————— 90

WCI — Or problems

→ 4 ?

—————

~~AB230~~ AB230 flat ^{was} spuds
6-7% stone.

10UR4/4 LS non calc
neg Stone
————— 30

10UR7/6 MS
↓
golden brown

bec. shi coarse 85+

WCI ———— 100
— Dr. probs
— 94?

Another c. 230. newer pond.

MN
tef motts
(smr) b
mn
+ smrls

SL

LS



- bec. 7-80% stone
wet

— so didn't get into
clay as began to sound like
I'd broken the angel!

will be Dr restriction -

prob 3/4

(SL) ↓

AB 237 #2-3^o → N
big depression to south.
Was in seed. 1-2% small stones

104R 4/3 LS non calc
reg stone.

104R 6/6 MS
Some swirls of colour
no mn 2-3%
fruits

104R 5/4 C (s). NMS
Some sand layers
few mn 80

104R 5/4 CBC.
NMS few mn
with sandy pockets.

if 75 = SPL (don't think it is!) 100
than 4C II Dr probs override - 36/4

AB222

Same field other side of hollow
2-30% stone. 1-20-7 N.

104R 5/4

$\begin{matrix} m \\ \swarrow \downarrow \searrow \\ L \end{matrix}$

nm calc
neg store.

2.54 7/6

SCU
(overall).
NMS.

40.
v. str.
calc.
Chalk chips

104R 6/8

m S.

calc

↓ gradual
Δ

few nm
m SCU
layer

5-6% stone
↓
stoneless
60+

2.54 8/2 by 65

with some colour swirls

90.

NOSEL : WCI

Dr. pwb - 3b/4

AB220 Arable-bare earth. 2-3% stone
Flat

104R4/3 LMS / mS. non calc
neg
stone
30+

ditto MS
NMS non calc see 6-7%
stone

104R6/6 MS 65
6-7%+
stone

Swirls of color
NMS 10 MN
↓
golden brown
see stones
by 75+

WEI / Dr prob - 3b/4 95.

AR 235

2-30 → S 4% stone
most < 2cm
Arable here (sands).

104R 3/2

lms / S

non calc
1-2% stone.
↓ inc

— 45

104R 3/2

S
manic

bec 5-10% stone

— small gritty.

damp.

v. dark

- coarse sand
with grit + small stones

— 70
broke apart!

3b/4?

no spl.



MS 249

3-4° → S 1-2% stones
Gully erosion towards track(s)

104R 3/3

MS/LS

non calc
neg stone

_____ 35

104R 5/6

MS

neg stone

104R 5/6

MS

_____ 65
bec gritty
+ gravelly.
c. 10-15%

ditto

_____ 80
- again negligible stones

_____ 90

NO SOL. : WCF

DV pub 36/4

AB233 As last. Skill story
feat.

104R 3/2

LS/S
(just.)

non calc
gitty
c. 5% store.

7.54R 3/3

m+c S

40.

90% store

↓
↓ dec
w depth
but more
gitty instead.

WCI but

Dr - prob 3b/4

90

AB108

18/11/93

1-2° → S = 1% stone. Winter cereals.

104R 4/3

^m
LS/S

non calc
neg stone

35

104R 3/2

^m
LS/S
(Jint)

neg stone

45

104R 5/3

MS

neg stone

with mixtures of
other colours eg 7.54R 3/4.

(Benecara sugar colour)
+ tex "

} 90
sl. stony.
100

WCI - DR pwb 36/4

AB99 Sli upslope, next field. Bore drilled? Some standing water in a wheeling. 1-2% flints, some large.
1-2%
-05.

104R5/4.

LMS
(heavier than 108)

non calc
1-2% stone.

DAMP

35

104R5/6

MS.

neg stone



NMS / NO MN



60

bec
gravelly flint
1.5-6%

NO SPL - WCT

DR problems 36/4

90.

AB82

8 in upslope 1-2° → S.
Same field 1% flint

104R 4/3

MSL

non calc
reg stone

DAMP.

45

7-54R 5/6

LMS

1-2% stone

55

104R 6/6

MS

c. 4% stone

60

reg stone



Some shrink
of colour

NMS
No Mn.

95

Di Pobs

- 36 $\left(\frac{MSL}{EMS} \right)$

ABSD Next field. Bore drilled?
Some standing water. 2-3% flints
Large hollow to NE with water in.
Flint just here.

104R 4/3 ~~MSL/SCL~~ MSL/SCL light v. sh. calc
bamp. 1-2% stone

104R 5/6 MCL (s) light calc 30
40.

104R 5/6 CBC Str. calc
cdom 104R 6/8 with S.
↓ NO MN. crumbly but not too dry.

90

Clay not plastic. crumbly but not hard.
(SCL??
If SCL 40 (TS)
WCI + SCL = 2.)
But DR probs?
- 3a?

ATB 101

Beet. 1-2% stone. 10 → S.

104R 4/3

cms

non calc
1-2% stone

40

104R 4/3
+ 104R 6/4

ms

non calc

bec.
104R 3/2 ish
colours
- demerara
sugar.

a few
flints
now + again

95

WCI bnt or → 86/4

MS 91 Shingstone. Beet. 1-2% stone
10-25.

104R5/4

LMS

non calc
neg stone

104R6/8-

SC / Ser

40
-45

NMS
no m.n.

non calc

104R 6/6
cfom

SC

60

non calc

few m.n.

100

SPL? if 60 then $TE_{WCIL} + L_{S} = 1$

But may be Dr prob.

(SE moist but not plastic)

AB82 1^o → S. Upslope (slip) from last AB
Beet. 1-2% store

104R 4/3

LMS.

mm calc
reg store

35

104R 5/4 - 5/6

LMS / mS

reg store

55

m.S

104R 5/6
+ lighter

reg store

(golden brown)
↓

95.

DR problem - 36/4

AB55

Next field bare - winter
areas just emerging. 1-2% store
Gently undulating 1-2° N + E.

104R4/4

MS -

non calc
neg store

35

104R5/4.

MS.

neg store

↓

45

104R5/8

MS.

4-5% store.

55

+ swirls of colour.

neg store.

100

WCT - DR

prob 36/4

AB43

Shidownhill from 55. Emergent
Cerals. WBS windblown sand!
2-3% stone.

104R 4/4

LMS.

non calc
1-2% stone

104R 4/4

LMS

50+
sh calc
3-4% stone
60

104R 5/4

LMS

v. sh calc
3-4% stone
70

104R 6/6

MS

neg stone
non calc

golden brown.

100

best of 2 - 1st stopped at 45.

DR Prob 36/4

ATB34. Across track. Shrubble + grass
1012° → S. 1% store (small).

104R4/3 LMS non calc
1-2% store

104R5/4 + 6/4 LMS / S. non calc
neg store

104R3/3 + etc MS 4-5%
store

104R5/6 M+C S. less store
↓ + swirls of color
NMS/norma ↓ 100

Dr prob 30/4

AB 20 Some fine d. shubble linseed?
30% stone. Big hollow (on N side).

104R 4/4
overall

SCL

calc
reg stone

30

104R 5/6
ffom

SCL
(heavier).
few mn

v. shi calc.
reg stone

45

104R 6/8

MSL
(fine sand)

non calc.
reg stone

65

104R 6/6
golden.
swirly

m S

100.

Dr old be 36
no h/c onken.

AB 32. Shrubble - ~~bordered~~ same field
1-20 → StE 10% stone.

10yr 5/4 LMS, non calc
1-20% stone
40.

10yr 5/6 MS non calc
regstone.
some bits LMS.

WCI
Dr → 36/4
=

Some wear shi clayie
but no distinct pattern except
praps shi upslope = clayie.
1 AB met CBC.

A139 Across ditch + maize
Edge of dark, wetter? bit.
Was Spuds. Flat. 1% stone,

104R 4/4, ms/s non calc
no stone

7.54R 5/6

ms

35

no stone

lots of mottly
stone snits

non calc
few 50+.

few mn (large)
c. 60

V. WET FROM
55+
(saturated)
70.

↓
Wld be v. droughty

but g/water problem ?? Gr ??

AB2

Ex spnds. Wet bit
Edge of marsh.



104R 4/3

LMS.



104R 7/2

MS

50
Water table.

Some och
colours .. blotchy motts.

104R 5/2

↓
SATURATED
SAND.



In ruts betw Spnd rows - soil
V. wet - almost water table.

V. sandy as well.

South Area

117 Grass ~~beside~~ small sand pit
disturbed ~~bottom~~ of slope flat
0-32 104R4/4 mS no stones
+ 104R6/4
~~is~~ mixed

32-65 104R4/4 mS v few round
pebbles

65-90 104R6/5 mS with
7.54R6/6 ochreous blotches
few sl. clayey nodules/lenses

90-110+ 2.547/3 mS com dist
large ochreous mott

G4

126/93

125 Grass - sheep.
40 N

0-35 7.54R3/3 LMS

few sm + med round pebbles 3-4%

35-50 104R6/6 MS 10-15%

sm + med rounded pebbles

50-80+ 104R6/4 MS stones

as above

Imp stones @ 80m

wci

G4

134 grass level sheep

0-38 7.54R4/2 mS - bleached
Sand grains few round pebble
c 3-4' l. on + med

38-80 7.54R4/4 mS no stones

80-110+ 104R5/6 mS no stones

wc1

G4

138

Grass 20 SE

0-40 104R4/5 mS
no stones

40-90 104R5/5 mS
no stones

90-95 thin SCL band
104R5/5

95-110+ 104R6/5 LmS
with clayey nodules v ~~wet~~ moist

G4

WC I

145 Grass (good) 3° SE

0-34 7.5UR4/4 mS +
c 17 stones

34-70 10UR6/6 mS com
med round pebbles c 5-10!

70-100+ 10UR7/5 mS stones
as above

wc I G4

149 Good grass level
lower lying at end of field

0-35 7.54R4/4 LmS/mS
no stones

35-65 104R5/6 mS sl stony
5-10% scattered round pebbles

65-80 104R6/6 mS few stones
2-3%

80-110+ 104R 7/4 mS no stones

157 rough grass some sparse
gorse bushes + brambles

0-7 54R2/1 org LWS no
stones

7-50 7.54R5/4 mS some
bleached sand grains sl podzolic

50-90 7.54R4/6 mS 2-3"
pebbles

90-110+ 104R5/6 mS stones
as above

WCI G4

sl. podzolic sand.

167 rough grass cattle 2° NE

0-7 54R 2/1 hum Lms
no stons

7-32 7.54R 4/2 mS bleached
Sand grains 15' med round pebbles

32-37 54R 2/1 hum mS

37-80 7.54R 4/2 mS sl-mod
stony

Imp @ 80 cm

WCI

G4 podzolic sand

177 rough grass broom + grass
bushes pit nearby

0-55 7.54R4/2 + 104R5/3

m S mixed up 1-2" pebbles

55-70 7.54R3/2 m S sl hum

1-2" pebbles

70-110+ 7.54R5/6 m S no stone

WC I

64

disturbed

186 2° SE near bottom of sl. depression
netles

Sampled

0-70

7.54R3/3

lms / ms

sl string
pebbles

5-7'

sm + med rounded

70-110+

7.54R4/4

ms

few stones

wci

G4

200 harvested potatoes 2° N w

0-35 104R4/4 m S

5% rounded sun + med pebbles

35-70 104R6/5 m S no
stones

70-110+ 104R7/5 m S no
stones

WCI

G4

202 Rough grass + gorse +
brown bushes scattered
about. Cattle 30 W

0-7 7.54R 2 1/11 'hem LMS
no stones

7-70 7.54R 5/4 mS
no stones

70-110+ 104R 6/8 mS
no stones

wc I G4 dr

188 rough grass gorse bushes
bottom of 5° N slope

0-5 54R2/1 hum LMS

5-30 7.54R5/4 mS no
stones

30-80 7.54R5/7 mS no stones

80-110+ 104R6/8 mS no stones

wci

G4

179

rough grass as before

0-8 54R2/1 brown Lms
no stones

8-35 7.54R5/3 mS no stones
bleached sand grains

35-55 7.54R4/6 mS no stones

55-110+ 7.54R-104R6/8 mS no
stones

WC I G 4 dr

North Site

97 Cultivated 2° S

0-30 104R 4/3 LMS -

2-3% m + med hard any stones

30-70 754R 5/5 mS

1-2% stones

70-100 104R 5/5 mS stones
as above

100 - 110+ 104R 6/5 mS stones

as above

G4 dr

87 Cultivated edge of old hollow
'pit' v wet at bottom 3' W
side of pit

0 - 30 104R5/3 SCL / m SL
v wet saturated 2-3% flints

30 - 70 Compacted 5cm band
at top grey + grey ^{than} 104R 4/4 SCL bits of
Coal + brick

70 - 95 104R5/5 SCL 2-3% stones

95 - 110 + 104R6/5 m SL stones as
above

WCI

G 3a?

25 moth eaten grass 2° S

0-35 7.54R4/3 mS
2-31. flints

35-50 104R5/6 mS
< 1% stones.

50-90 104R6/6 mS < 1%
stones

90-104 104R7/4 cS +
some gravel small c 5%

wcI G4

11 Pigs

0-35 104R 4/4 mS 2-3/6
su + med pebbles

35-70 104R 6-5/6 mS s/stony
3-5'.

70-110+ 104R 7/4 mS no stony

wci

G4

4 level pigs base ground

0-35 10424/4 mS 1-2'
sm + med stones

35-55 10426/6 mS 2-3'
stones

55-110+ 10427/6 mS no stones

G4

6 pigs flat

0-28 104R 4/3 mS

2-31. med flint pebbles

28-40 104R 5/6 mS
no stones

40-95 104R 6/6 mS
no stones

95-110+ 104R 7/6 mS
no stones

WC I G4

B level scrappy grass - was
pigs,

0-50 7.54R4/3 mS 3-4%
med rounded pebbles

50-65 7.54R4/4 mS 2-3%
stones

65-100 104R6/7 mS no stones

100-110+ 104R7/6 mS no stones

WC I 64

27 bare soil (was pigs) level
1°S

0-30 104R4/3 m S 2-3%
med + med rounded flints

30-60 7.54R5/6 m S no stones

60-110+ 104R6/8 m S no stones

WC I G4

34 ^{39?} 1° S bare soil was pigs

0 - 35 7.5YR 4/4 mS 3-5%
sm + med rounded flints

35 - 80 7.5 - 10YR 6/8 mS no
stones

80 - 110 + 10YR 6/8 cS becomes
sl. redder + darker + bit of
clay coating on sand grains

WC I G4

15 harvested potatoes 1^o w

0-35 7.54R 4/3 mS+
v moist at base no stones

35-100+ 104.27/2 mS waterlog
liquid

high watertable at 50cm

watertable may keep soils moist
in summer?

3b topsoil texture poss 4

1 harvested pStabes 1°NW

0-33 7.54R4/4 mS

2% m + med flits

33-60 10.4R6/6 LmS

few och motts below 50 cm

60-110+ 2.546/4 LmS can

dist och motts large + blotchy.

fluctuating GWT

no SPL

WC 1

G3b topsoil texture

29 harvested potatoes 1° w

0-30 7.5424/4 m S

2% sun rounded tubs

30-70 10426/8 m f S

70-110+ 10426/6 + 7/6 m f S

com dist och blotchy mott

v moist below 9cm

wci

G 3b

31 harvested potatoes 2° SE
water ponds at end of field

0-30 T.54R 4/3 m S + 1-2%
sm pebbles

30-60 + 104R 6/3 ← grey.
com
dist coarse blotchy nodules

sand becomes liquid
below about 50 cm.

WC II?

G3 b

TS texture

Water table @ 50 cm

19 harvested potatoes top
of slight hummock

0-33 7.54R4/3 m SL - /LmS
no stones

33-50 7.54R4/6 LmS no
stones

50-110+ 104R7/2 mS no stones

coarse blotchy och mott below
80cm v wet at 100cm

3b dr

Sown barley.

78

0-35 104R4/3 mSL/scl

3-5% sm + med flints

35-100 + 104R5/4 SCL

com v small chalk stones
Calc

WC I

3a?

258 flat / not cultivated

107E 4/4 2-3% stone 2MS

35

<1% stone

757R 2/3 MS

becoming darker / polychrome

75

107R 4/6

MS

becoming 107E 5/8

MS

110

AB153

FCD ~~120/28~~
103

sugar beet. 1-2° North
facing. 2-3% topsoil flint
80% L2m

LMS 10YR4/3 non-calc.
10YR3/3
n.m.s.

LMS/n.s. 10YR4/3 non-calc. 30cm
n.m.s.

MS 10YR4/3, 55cm
with more 10YR3/2
coming in with depth.
n.m.s.

WCI : Drought? 100cm

AB163 Bare earth. 1-2° North
facing. 2-3% flint
50:50 ± 2cm.
LMS 10xR S/4 non-calc.

M5 10xR S/6 40cm.
n.m.s.

1-2% flint

below 90cm, 5-7% flint
and slightly coarser grains

100cm.

WCI = drought?

AB 173 Bare Earth. 1-2° North
Facing. 2-3% flint
80% < 2cm

LM5/MS 10YR 4/3 non-calc.

35cm

MS 10YR 4/3 non-calc.

5-10% Stone.

From 55cm sand is coarser
(still MS) with 15% Stone.

and slightly lighter colour

10YR 5/3

impermeable at 60cm: STONE/GRAVEL?

best of 2, WCI.

AB 182 Sugar Beet

0-1% North Facing

2-3% flint 80% > 2cm.

M5L/5CL 10XR4/3 non-calc.

(sample bagged)

_____ 36cm

5C 7.5XR6/8 non-calc.

can perhaps see ff molluscs?

gets lighter with depth

& becomes 5CL

below 50cm

20/85cm

MSL 7.5YR 6/8 non-calc.

100cm

profile uniform below 36cm
except for texture.

no gleying or spl.

WCI. Drought.

AB 196

0-1% North facing
sugarbeet. 2% flint
80% (2cm.

M5L 10XR 4/3 non-calc

M5L 10XR 4/4 non-calc 30cm

J5L 10XR 6/6 non-calc 50cm
becomes heavier with depth.

Sandy clay 10XR 6/6 non-calc. 60cm
from 10XR 6/8 from 80cm

J5L (fine sand) 10XR 6/6 100cm
Play

no gleying or spl. Drought?

AB212 Sugarbeet.
1-2° N.E. facing
1-2% / lint 50:50 ± 2cm

SCL 10XB 4/3 non-calc.

SCL 10XB 4/4 non-calc. 35cm

nms 50cm
MSL 10XB 4/4 non-calc.

MSL 10XB 5/6 non-calc. 60cm

SCL 10XB 6/6 non-calc. 70
nms

becoming lighter with
depth.

MSL from 80 cm

100 cm.

WCI Drought?

The above profile has
bands of clay and sand
intermixed.

AB 227

Sugar Beet. 1-2°

East facing. 1-2%
flint.

M5L 10YR 4/3

non-calc.

30cm

M5L 10YR 4/3

non-calc.

45cm

S5L 10YR 6/6

non-calc.

(fine sand)

nmr.

80/85cm

S5L 10YR 6/6

non-calc.

cfom 10YR 5/6

100cm

wci.

AB ~~195~~ 195

Sugar Beet

1-2% of lint.

0-1° N.E. facing.

MSL 10XR 4/3

non-calc.

MSL 10XR 4/4

35cm
non-calc.

getting lighter with depth.

MS 10XR 5/6

50cm
non-calc.

10% Stone.

Falls from the auger.

Gets more fine
with depth (MS)

10cm
WCI. Drought.

AB181

Jugar Beet. 1° North
facing. 1-2% flint.

M5L 10YR 4/3 non-calc.

LMS 10YR 4/4 35cm
10YR 5/4 non-calc.

50cm

M5 10YR 4/3 non-calc.
uniform.

10% Stone below 9cm

5C 10YR 5/6 100cm
non-calc.

n.m.s.

WEI Drought. 110cm

AB 211

Juga Beet. Flat.
1-2% flint.

M5L 10YR 4/3 non-calc.

~~M5L~~ 10YR 4/3 35cm
LMS

M5 10YR 5/6 50cm

From 60cm, nodules of
clay within the sand
giving texture of M5L

non-
variable clay content 100cm.

wet: Drought.

AB 213

Sugarbeet
1-2° East Facing
1-2% Flint.

MSL 10YR 4/3 non-calc.

LMS 10YR 4/3 non-calc. 35cm

MSL 10YR 4/3 non-calc.
10YR 5/3 50cm

5C4/5C 10YR 5/6 non-calc.
n.m.s.

uniform texture with depth.
100cm

WCI Drought.

A.B. 228 Sugar Beet. 1-2°
S.E. Facing. 1-2%
Flint.

M5L/LM5 10YR 4/3 non-calc.

LM5 10YR 4/3 non-calc. 30cm

M5 10YR 5/4 non-calc. 50cm

becomes FS below 60cm.

100cm
WCI: Drought.

AB 216

Ploughed Earth.

1-2° North Facing.

3-4% Flint. 50:50 ± 2cm.

LMS

10XR 4/3

non-cat.

30cm

M5

10XR 3/2

non-cat.

10XR 4/2

becomes coarser with
depth, but

always M5 to 100cm

wc I: Drought.

AB 231

Ploughed Earth.

1-2° North Facing,

3-4% Flint

M5 10XR 4/3 non-calc.

10XR 4/2

M5 10XR 4/2 non-calc.

60cm
M5 10XR 5/4 non-calc.

becomes coarser below

90cm (still M5)

100cm
wCI: Drought.

AB 245 Ploughed Earth.

3-4% Flint.

A. B. is within a
depression in the earth
Glass on surface

JCL 10XR 4/2

v. Strongly
calc.

JCL 10XR 4/3

30cm
v. Strongly
calc.

10XR 4/2

From 50cm brown inclusions
and much chalk marl.

DISTURBED PROFILE.

Next to 70.

AB 218

Ploughed Earth.

0-1° West Facing

3-4% Flint

M5 10YR 3/3 non-calc.

M5 10YR 3/3 non-calc. 30cm
10% flint at 60cm

M5 10YR 5/6 65cm
10% stone

100cm
WCI: Drought.

