

SITE NAME Comeytrowe		PROFILE NO Pit 1 (ASP 97)	SLOPE AND ASPECT 0°	LAND USE Perm Grass	Av Rainfall 888 mm	PARENT MATERIAL Tea Green Marl (Keuper marl)			
JOB NO 15/94		DATE 15 February 1994	GRID REFERENCE ST 205 221	DESCRIBED BY G Shaw/G Clark	ATO 1521	FC Days 187	Climatic Grade 1		

Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	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	Horizon Boundary Distinctness and form
1	28	10YR43	HCL	2% HR (visual)	None					Many F+VF	None	None	Clear/ smooth
2	50	75YR44	HCL	5% HR visual	None	Mod Dev CSAB	>0.5%	Moderate	Friable	Common F+VF	None	Few	Clear/ smooth
3	120	5YR44 (Matrix) 5YR43 (Ped)	C	5% HR (visual)	None	Mod Dev CAB	<0.5%	Moderate	Firm	Common F+VF	None	Common	

Profile Gleyed From Not gleyed
Depth to Slowly Permeable Horizon 50
Wetness Class III (almost IV)
Wetness Grade 3b

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

Final ALC Grade 3b
Main Limiting Factor(s) We

Remarks
Dug to 80 cm

SITE NAME Comeytrowe		PROFILE NO Pit 2 (20)		SLOPE AND ASPECT 3° S		LAND USE FLW		Av Rainfall 808 mm ATO ~ 1545 FC Days 173 Climatic Grade 1			PARENT MATERIAL Keuper marl		
JOB NO 15/94		DATE 16/2/94		GRID REFERENCE ST 204 231		DESCRIBED BY PB/GC							
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	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	Horizon Boundary Distinctness and form
1	25	75YR42	HCL	2% HR vis	0					MF VF	0	0	Grad smooth
2	70	75YR53	C	c5% HR vis	MDMOM	MCSAB	<1/2 % pores Good fissure	P	Firm	CF VF	0	C	Grad smooth
3	95+	75YR53	C	c2% HR vis	MDFG OM	MFAB	<1/2% pores	M	Friable	0	0	F	

Profile Gleyed From 25
Depth to Slowly Permeable Horizon
Wetness Class 2
Wetness Grade 3a

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

Final ALC Grade 3a
Main Limiting Factor(s) We

Remarks

SITE NAME Comeytrowe		PROFILE NO Pit 3 (ASP 41)		SLOPE AND ASPECT 2° East		LAND USE PGR		Av Rainfall 888 mm ATO 1521 FC Days 187 Climatic Grade 1			PARENT MATERIAL Keuper marl		
JOB NO 15/94		DATE 16/2/94		GRID REFERENCE ST 204 227		DESCRIBED BY HLJ/GC							
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	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	Horizon Boundary Distinctness and form
1	25	10YR44	HCL	None (visual)	None		Many			Many fine + very fine	None	None	Clear wavy
2	50	10YR53	C	None (visual)	Common distinct ochreous mottles	MDCSAB	Many	Moderate	Friable	Common fine + very fine	None	Few	Clear wavy
3	105	05YR42	C	None	Many distinct ochreous mottles	WDACSAB	<0 5%	P	Firm	Common very fine	None	Few	Clear wavy
4	120+	05Y44	C (marl)	3% HR Toal (visual)	None		<0 5%	P		None	None	None	

Profile Gleyed From 25
Depth to Slowly Permeable Horizon 50
Wetness Class IV
Wetness Grade 4

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

Final ALC Grade 4
Main Limiting Factor(s) Wetness

Remarks
On boarder of WC III + IV if MCL + WC III → 3a

SITE NAME Comeytrowe		PROFILE NO Pit 4 (47)		SLOPE AND ASPECT 2° N		LAND USE PGR		Av Rainfall 888 mm ATO 1521 FC Days 187 Climatic Grade 1			PARENT MATERIAL Keuper marl		
JOB NO 15/94		DATE 16/2/94		GRID REFERENCE ST 210 227		DESCRIBED BY PB/GC/HLJ							
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	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	Horizon Boundary Distinctness and form
1	27	75YR42	MCL	1% HR vis	0					MF VF	0	0	Clear smooth
2	56	10YR53	MCL	0	0	MCSAB	Good	M	Friable	CF VF	0	0	Grad smooth
3	100+	5GY61	C	1% FSST vis	FDMOM	MCAB	</ / pores but good fissures and worm holes between peds	M	Firm	FF VF	0	0	

Profile Gleyed From

Depth to Slowly Permeable Horizon

Wetness Class 1

Wetness Grade 2

Available Water Wheat 142 mm

Potatoes 117 mm

Moisture Deficit Wheat 103 mm

Potatoes 94 mm

Moisture Balance Wheat +39 mm

Potatoes + 23 mm Calculated to 120 cm

Droughtiness Grade 1

Final ALC Grade 2

Main Limiting Factor(s) Wk

Remarks

15-94 COMEYTROWE

	HA	ACRES	% AGRICULTURAL LAND	% TOTAL LAND
Grade 1	0 0	0 0	0 0	0 0
Grade 2	1 8	4 5	1 8	1 7
Subgrade 3a	61 5	152 0	62 4	57 9
Subgrade 3b	25 9	64 0	26 3	24 4
Grade 4	9 3	23 0	9 5	8 7
Grade 5	0 0	0 0	0 0	0 0
Total Agri Land =	98 5	243 5	100	92 7

Urban	4 8	11 8	-	4 5
Non-Agricultural	0 6	1 4	-	0 5
Woodland	0 0	0 0	-	0 0
Ag-Buildings	0 2	0 4	-	0 2
Open Water	0 0	0 0	-	0 0
Land Not Surveyed	2 2	5 4	-	2 1
Total Site Area =	106 3	262 5	-	100 0