the man was to the second of t

SITE NA	ME	PROFILE	NO	SLOPE	PE AND ASPECT LAND			USE				22.6		PARENT M	ATERIAL	-
Countess	Wear	Vear Pit 2 2° E		2° East	East			ed		Av Rainfall ATO		836 m 1566 c		Lower Sand	stone	
JOB NO		DATE		GRID I	REFERE	NCE	DESCI	RIBED	BY	1		176		Topsoil Sam		
104/93		2/12/93		ASP 70) SX 962	904	PB/GM	AS		FC Days Climatic G	rade	1		RPT/GMS 3	04	
Horizon Number	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Texture	Size S Type a	toniness ize Shape type and seld Method Mottl Abun Contract Size : Color		Structu Develo Size ar Shape	pment	Pores and Fissures	Structural Condition		istence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	45	7 5YR34	MSL	>1% HI	R visual none								Common V	none	none	Gradual smooth
2	100	5YR43	MSL	0% visu	ıal	none	none MC+MS		Good	Moderate	Friable		Few fine	none	none	Clear smooth
3	120+	2 5YR46	MSL	0% vist	ıal	none	WMSA	AB	low	Good	Friab	le	none	none	none	
Profile Gl	leyed From	not gleyed			Availa	ble Water	Wheat Potatoes	164: 113:				Final.	ALC Grade	1		
Permeable	e Horizon	no SPL			Moistu	re Deficit	Wheat	109				Main	Limiting Facto	r(s) None		
Wetness (Wetness Class I					Potatoes	103:	mm								
Wetness Grade		1			Moistu	re Balance	Wheat	55m	nm							
							Potatoes	10m	ım			Remai				
					Drougl	htiness Grade	;	1				1 opso	ıl texture confi	rmea by PSD		

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SITE NA	ME	PROFILE	NO	SLOPE A	AND A	SPECT	LAND US	SE		Av Raınfall		836 m	m	PARENT MATERIAL				
Countess	Wear	Pit 1		0°			Vegetable	s		ATO		1566 d		Valley Grave	els			
JOB NO		DATE	DATE GRID		GRID REFERENCE			BED BY	Y	FC Days		175	icg.	Topsoil Sam	ple			
104/93		1/12/93		ASP 218	SX 966	6 891	PB/GMS		:	Climatic Gi	ade	1		RPT/GMS 2	RPT/GMS 299			
Horizon Number	Lowest Av Depth (cm)	Av and Texture Siz		Size Shape Type and Field Method Si		Mottling Abundance Contrast, Size and Colour	Structure Developm Size and Shape	Development Pores and		Structural Condition	Cons	Roots Abundance Size and Nature		Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form		
1	28	7 5YR43	MSL	1% HR >2 16% HR > Total 17% Sieved/dis	>2mm 6 HR	none							Common V fine	none	none	Clear smooth		
2	55	5YR44	MSL	2% HR >2cm none 18% HR >2mm Total 20% HR Sieved/displ		none	WC+MSAB		Good	Good	V friable		Few V fine	none	none	Gradual smooth		
3	110+	5YR56	LMS	2% HR >2 2% HR >2 4% HR To sieved/dis	2cm 2mm otal	none	WC+MAI	lı	Porous but no biopores	Moderate	V fri	able	none	none	none			
Profile G	leyed From	not gleyed			Avaılab	ole Water	Wheat	106mr	m			Final A	ALC Grade	3A				
Depth to Permeable Wetness 0	e Horizon Class	no SPL I		ľ	Moistui	re Deficit	Wheat	88mm 109mr 103mr	m			Main I	Limiting Factor	r(s) Drough	atiness			
Welless	Stauc	i			Moistui	re Balance	Wheat Potatoes	3mm 15mn				Remai						
				1	Drough	tiness Grade	:	3A (to 120 cm)				Pit du	g to 110cm To	Topsoil texture confirmed by PSD				

SITE NAI	ME	PROFILE	NO	SLOPE ANI	D ASPECT	LAND USE		Av Raınfall	.1	836 m		PARENT M	IATERIAL	
Countess	Wear	Pit 6		0°		CER		AV Kainiali ATO		836 m		Lower Sands	stone	
JOB NO		DATE	DATE GRID I		ERENCE	DESCRIBED	BY	7			178			
104/93		23/12/93	23/12/93		X 967 894	GMS/HLJ		FC Days Climatic Gr		175 1	J			
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Metho	Contrast	Structure Development Size and Shape	Pores and Fissures	Structural Condition	Consis	stence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	30	7 5YR34	MSL	<1% HR >2cr 7% HR >2mn 8% total HR sieved/displ	m none		good	1			many fine	none	none	Abrupt smooth
2	65	5YR43	MSL	<1% HR >3cr 10% HR >2m 11% Total HI sieved/displ	nm	MCSAB	good	MOD	Friable	e	Common fine	none	none	Abrupt smooth
3	78	5YR46	MSL	1% HR >2cm 15% HR >2cm 15% HR >2m 16% total HR sieved/displ	mm	WCSAB	good	good	Friable	e	Few V Fine	none	none	Abrupt smooth
4	120	2 5YR46	LMS	1% HR >2cm 29% HR >2m 30% total HR sieved/displ	mm	WMSAB		MOD	V Fria	ible				
Profile G	leyed From	not gleyed	·		vailable Water	Wheat 118	8mm	1		Final	ALC Grade	2		
Depth to S Permeable		no SPL		M			1mm 9mm			Maın	Limiting Factor	or(s) Drough	ntiness	
Wetness (Class	I		****			3mm			ĺ				
Wetness (Grade	1												
				Мо			mm nm			Remai	rks			
		Dr			oughtiness Grade		to 120 cm)							

SITE NA	ME	PROFILE	NO	SLOPE	E AND A	SPECT	LAND U	JSE		Av Raınfall		836 m	m	PARENT M	IATERIAL		
Countess	Wear	Pit 7		0°			Beans			ATO	•	1566 (Valley Grav	el		
JOB NO		DATE		GRID	REFERE	NCE	DESCRI	BED I	BY	FC Days		175	8				
104/93		23 12 93		ASP 23	33 SX 96	1 889	PB/GMS	S		Climatic G	rade	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 Develope Size and Shape	ment	Pores and Fissures	Structural Condition Cons		stence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form	
1	30	7 5YR43	MSL	1% >2c 11% >2 sieved/c	mm HR	Colour			Good				CVF			Clear smooth	
2	70	5YR44	MSL		cm HR		MCSAB	3	Good	Mod	Friab	le	FVF			Grad smoot	
3	100	5YR46	LMS	6% >2n	6% >2mm HR sieved/displ		MCSAB	3	Good	Good	Friab	le				Clear smooth	
4	120	2 5YR46	MSL		em HR emm HR displ				Good		Fırm						
Profile G	leyed From	not gleyed			Availa	ble Water	Wheat	133г	nm			Final	ALC Grade	2			
Depth to Permeable	Slowly le Horizon	no SPL			Moisti	re Deficit	Potatoes Wheat	103 r				Main	Limiting Facto	r(s) Drougl	ntiness		
Wetness	Class	I			Ivioisto	ne Denon	Potatoes	103r									
Wetness	Grade	1	1			ire Balance	Wheat	+241									
							Potatoes	+0m	ım			Rema	rks				
					Droug	htuness Grade	e	2 (to	120 cm)								
NII 226					l							l					

SITE NA	ME	PROFILE	NO	SLOPE	SLOPE AND ASPECT				A D C-11	1	926		PARENT M	IATERIAL			
Countess	Wear	Pit 5		0°			Potatoes		Av Rainfall ATO	l	836 m		Valley Grav	els			
JOB NO		DATE		GRID I	REFERE	NCE	DESCRIBE	D BY					Topsoil San	iple			
104/93		3/12/93		ASP 17	79 SX 96	4 894	PB/GMS		FC Days Climatic G	rade	175 1		RPT/PB11				
Horizon Number	, and		Texture Ston Type Field		hape	Mottling Abundance Contrast Size and Colour	Structure Developme Size and Shape	Pores and Fissures	Structural Condition	Cons	istence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form		
1	28	7 5YR33	MSL	1% >2c 11% >2 Total 12 Sieved/	mm HR 2% HR	none						Common V fine + fine	none	none	Gradual smooth		
2	47	7 5YR34	MSL	12% HR as Horizon 1		none	MMSAB	good	good	Friab	le	Few V fine + fine	none	none	Clear smooth		
3	70	7 5YR46	MSL	12% >2 52% >2	12% >2cm HR r 52% >2mm HR 64% HR Total		WMG	good	good	Friab	le	Few V fine	none	none	Diffuse smooth		
4	100+	5YR46	LMS	As hor		none	WMG	good	good	Friab	le	none	none	none			
Profile G	leyed From	not gleyed			Avaıla	ble Water	Wheat 9	7mm			Final .	ALC Grade	3A				
Depth to Permeabl	Slowly e Horizon	no SPL	SPL					6mm 09mm			Main Limiting Factor(s) Droughtiness						
Wetness Class		I				·		03mm									
Wetness	Grade	1			Moistu	re Balance	Wheat	12mm			Remai						
							Potatoes	17mm	Pit dug to 100 cm								
					Drough	htiness Grade	3	Grade 3A (to 120 cm)				_	rmed by PSD	Droughtiness d by PSD H3+4 like H2 in Pit 3			

SITE NA	ME	PROFILE	NO	SLOPE	AND A	SPECT	LAND USE		Av Raınfall	1	836 mr	n	PARENT M	ATERIAL	
Countess	Wear	Pit 4		4° W			Cereal		ATO	ı	1566 de		Lower Sand	stone	
JOB NO		DATE		GRID I	REFERE	NCE	DESCRIBED	BY]		1300 u	- 6	Topsoil Sam	ple	
104/93		3 12 93		ASP150 SX 954 896		GS/PB	GS/PB			FC Days 177 Climatic Grade 1			RPT/PB8		
Horizon Number	Lowest Av Depth (cm)			hape Abundance Contrast		Structure Development Size and Shape	Pores and Fissures	Structural Condition Consi		stence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctnes and form	
1	32	7 5YR34	MSL	1	cem HR none -2mm HR 15% HR							Common V fine	none	none	Clear smooth
2	65	7 5YR44	FSL	0% >2 5% >2 Sieved	em mm	none mixing of topsoil	MMSAB	Very porous	Good	Friable	e	Few V fine	none	none	Diffuse smooth
3	105	5YR46	FSL	0% vis (felt)		none	MCAB	Porous	Moderate	Friable	ole Few V fir in worm holes		none	none	Clear smooth
4	120+	2 5YR46	LMS	20%		none	MCAB	Porous	Good	Friable	e	none	none	few	İ
Depth to	Slowly	not gleyed			Availa			mm			Final ALC Grade 1				
Wetness (no SPL			Moistu	re Deficit	Wheat 109	mm			Main Limiting Factor(s) none				
Wetness (1					Potatoes 103	mm							
					Moistu		Wheat 60r				Remarks				
					Drougl	htiness Grade	Potatoes 22r	nm o 120 cm)			Horizon taken a PSD	n 4 layers of st s average ston	oneless LMS e content To	and stony LN psoil texture	AS so 20% confirmed by

SITE NAI	ME	PROFILE :	NO	SLOPF	E AND AS	SPECT	LAND USE	. ,	Av Raınfall	.1	976		PARENT M.	IATERIAL			
Countess '	Wear	Pit 3	1	0°			Potatoes	1	AV Kainiali ATO		836 m:		Valley Grave	els			
JOB NO		DATE		GRID I	REFERE	NCE	DESCRIBED	BY	1		177	1	Topsoil Sam	ıple			
104/93		3 12 93	3 12 93		87 SX 957	7 893	GS/PB		FC Days Climatic Gr	rade	1		RPT/PB12				
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stonine Size SI Type a Field M	Shape and	Mottling Abundance Contrast Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition	I		Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form		
1	30	7 5YR33	MSL	<1% <20 14% <21 Total 15 sieve/dis	2mm HR 5% HR	none					1	Common V fine	none	none	Clear smooth		
2	60	7 5YR44	MSL	15% <20 50% <21 Total 65 Sieve/di	2mm HR 5% HR	none	WMG	Porous	Good	Friabl	le	Common V fine	none	none	Gradual smooth		
3	110+	7 5YR46	LMS	As hor	nzon 2	none	WMG	Porous	Good	Fnabl	le	none	none	none			
Profile G	lleyed From	not gleyed		-	Availa	ble Water \	Wheat 79	mm			Final	ALC Grade	3B				
Depth to S Permeable Wetness O	le Horizon	no SPL					Potatoes 67mm Wheat 109mm				Main :	Limiting Factor	or(s) Drough	atiness			
Wetness (1					Potatoes 103)3mm									
				1	Moistu			0mm		and the second	Remar	ıks					
				,		,	Potatoes 36	6mm		1	Placer	d in 3A map uni	11 t				
					Drough	htiness Grade	3B	3 (to 120 cm)				<u>-</u>	onfirmed by PSD				