SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND USE		Av Rainfal	 1.	779 m	· ····	PARENT M	IATERIAL	
Broadelys	st Station	Pit 1		Level			Permanent C	Frass	ATO:	1.	1582°		Alluvium		
JOB NO.		DATE		GRID	REFERE	INCE	DESCRIBE	) BY	1				Soil Sample	Ref:	
107/93		10/1/94		ASP 10	62 SX 99	12 9528	Nicole Walla	ice	FC Days: Climatic G	rade:	167 1		None		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size, S Type, 2 Field N	hape, and	Mottling Abundance, Contrast, Size and Colour	Structure: Developmen Size and Shape	t Pores and Fissures	Structural Condition	Cons	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
1	25 cm	7.5YR53/ 43	HCL/C	N/A		N/A	N/A	-	-	-		Many	-	-	Indistinct boundary transition graditional in nature
2	100 cm	5YR53/43	с	1-2% H rock	lard	7.5YR68 common MN also present - Common	WDCSAB	<5%	Poor	Firm		Common Few with depth	-	Common	
Profile G	leyed From:	25 cm			Availa	ble Water	Wheat: 11	1 mm			Final .	ALC Grade:	3B		
	e Horizon:	25 cm			Moistu			2 mm 2 mm			Main	Limiting Facto	r(s): We		
Wetness	Class:	IV				•	Potatoes: 10	7 mm							
Wetness	Grade:	3B			Moistu	re Balance	Wheat: -2	mm							
						•	Potatoes: -5	mm			Remai				
					Drough	ntiness Grade:	3A	(to 100 cm)				table evident a tructure - weak ion.		adherent. Poo	or structural

SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND USE		Av Rainfal		779 m		PARENT M	IATERIAL	
Broadclys	st Station	Pit 2		4° S			Winter Whe	at	AV Rahuar	ι.	1582°		Sandstone		
JOB NO.		DATE		GRID	REFERE	NCE	DESCRIBEI	) BY	FC Days:		1582		Soil Sample	Ref:	
107/93		11 January	y 1994	SX 901	<b>0</b> 9557 so	outh of 102	N A Done/P	Barnett	Climatic G	rade:	1		PB/49 + 50		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size, S Type, a Field N	hape, ind	Mottling Abundance, Contrast, Size and Colour	Structure: Developmen 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	45 cm	75YR44	MSL	11% Tota sieved (2' 9% <2cm	%>2cm		-	-	Common fine + medium M V friable Few fine	fine +	none	none	Gradual/ wavy		
2	80 cm	2.5YR46	LMS	27% S sandsto 2.5YR	one	-	WDMSAB	many	М	V fria	ible	Few fine		Gradual/ wavy	
3	120 cm	2.5YR36	LMS	10% S	ST	-	WDFSAB	many	М	V fria	ble	Few fine	none	none?	
Profile G	leyed From:	-			Availa	ole Water	Wheat: 10	1 mm			Final A	ALC Grade:	3a		
Depth to Permeable Wetness	e Horizon:	-			Moistu	re Deficit	Wheat: 11	mm 3 mm 7 mm			Main 1	Limiting Facto	r(s): Drougl	nt	
Wetness	Grade:	1			Moisture Balance Wheat: -12 mm										
								k mm			Remai				
					Drough	ntiness Grade:	(3;	ı) (to 120 cm	)			in H2+3 are bl ly manganese o		arse grained s	andstone

SITE NA Broadclys		PROFILE Pit 3	NO.	SLOPE	E AND A th	SPECT	LAND USI Ley	3	Av Rainfal ATO:	l:	781 m 1569°		PARENT M Sandstone	IATERIAL	
JOB NO. 107/93		DATE 11/1/94			REFERE		DESCRIBI P Barnett/N		FC Days: Climatic G	rade:	166 1		Topsoil San PB/51 + 52	-	
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size, S Type, a Field N	hape, and	Mottling Abundance, Contrast, Size and Colour	Structure: Developme Size and Shape	nt Pores and Fissures	Structural Condition	Cons	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
1	30 cm	7.4YR43	MSL	1% >20 9% <20 10% T		-	-	-	-	-		Many very fine common fine	none	none	Grad/smooth
2	50 cm	7.5YR46	MSL	25% < 2% >20 27% F	cm	-	WDMAB	Many	G	V. Fr	iable	Common fine + very fine	none	none	Diffuse/
3	100 cm	5YR46	MSL	35% < 3% > 2 38% H	2cm	-	Too stony t assess	o Well fissured	м	Loos	8	Few to 60 cm	none	none	
Profile Gl	eyed From:	-			Availat	ole Water	Wheat: 1	21 mm			Final .	ALC Grade:	3a		
Depth to S Permeable Wetness ( Wetness (	e Horizon: Class:	- I 1			Moistu	re Deficit	Potatoes:91 mmMain Limiting HWheat:113 mmPotatoes:107 mm				Limiting Factor	r(s): Drough	t		
., ethess (		-			Moistu	re Balance		8 mm 16 mm			Remai	rks:			
					Drough	tiness Grade:	(	3a) (to 120 cm	)						

SITE NA	ME	PROFILE	NO.	SLOPE	AND A	SPECT	LAND US	E	Av Rainfall		1569 1	nm	PARENT M	ATERIAL	<u> </u>
Broadclys	t Station	Pit 4		0°			Ley		ATO:	•	781°	••••	Valley Grav	els	
OB NO. 07/93		DATE		GRID I	EFERE	NCE 995 950	DESCRIB N Done	ED BY	FC Days:		167		TOPSOIL S	AMPLE REF	7
01175						///////////////////////////////////////			Climatic G	rade:	1				
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stonine Size, S Type, a Field M	hape, nd	Mottling Abundance, Contrast, Size and Colour	Structure: Developm Size and Shape	ent and Fissures	Structural Condition	Consi	stence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
	35	75YR43	MSL	3% HR	.>2cm	-	-	-	-	-		Many fine + very fine	smooth		
2	60	75YR44	MSL	3% HR	Total	-	WDMSAI	3 >0.5%	Good	Friab	le	Common fine + very fine	None None Cle		
3	90+	5YR56	MSL	8% HR		-	Too wet to assess	) -	Assume moderate	Friab	le	Few fine	None	Common	
Profile G	leyed From:	-			Availa	ble Water	Wheat:	155 mm			Final	ALC Grade:	2		
Depth to Permeabl	Slowly e Horizon:	-			Mojetu	re Deficit		112 mm 113 mm			Main	Limiting Factor	r(s): Drough	nt	
Vetness	Class:	Ι			101510						ł				
Vetness	Grade:	1					Potatoes:	107 mm							
					Moistu	re Balance	Wheat:	42 mm			Rema	rks:			
							Potatoes:	+5 mm							
					Droug	htiness Grade:		2 (to 120 cm)							

SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND USE		Av Rainfal	1.	781 m	m	PARENT N	IATERIAL	
Broadclys	st Station	Pit 5		0°			Winter cerea	ls	ATO:	1.	1569°		Valley Grav	rels	
JOB NO.		DATE		GRID	REFERE	NCE	DESCRIBEI	BY	1		166		Topsoil San	ple Ref:	
107/93		12/1/94		Near A	SP 333 \$	SX 9930 9442	PRW/HLJ		FC Days: Climatic G	rade:	1		PRW/93 + 9	8	
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	1 - 7 8 - 7 4	hape,	Mottling Abundance, Contrast, Size and Colour	Structure: Developmen Size and Shape	t Pores and Fissures	Structural Condition	Cons	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
1	32 cm	5YR4/4	MSL	3%>2	cm	None	-	Many	Mod	Friab	le	Many fine & v. fine	none	none	Abrupt smooth
2	66 cm	2.5YR3/6	MSL	12% > 16% < 28% T	2cm	None	Not easily determined due to stone content	Many	Good		riable	Few fine	none	none	Abrupt smooth
3	95 cm	2.5YR4/6	MSL (but coarser)	18% > 51% < 69% T	2cm 2cm	None	<ul> <li>probably</li> <li>moderately</li> <li>developed medium</li> <li>subangular blocky</li> </ul>	Many	Moderate	V. Fr	riable	Few fine	none	none	Abrupt smooth
4	110 cm (assumed to 120)	2.5YR4/8	LMS	0%		None	Weakly developed medium angular blocky	Many	Moderate	V. Fr	iable	None seen	None	None	-
Profile Gl	leyed From:	Not gleyed			Availa	ble Water	Wheat: 11	4 mm			Final	ALC Grade:	3a		
	e Horizon:	No SPL			Moistu	re Deficit		mm 3 mm			Main	Limiting Factor	r(s): Drough	ntiness	
Wetness (		I 1					Potatoes: 10	7 mm							
Wetness Grade:	•			Moistu	re Balance	Wheat: 1 r	nm			Rema					
					ļ		Potatoes: 9 r	nm				on 3 almost gra	vel layer (70%	6 st) which w	ould swing
					Drough	ntiness Grade:	3a	(to 120 cm)				more into 3a.		-,	0

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SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND U	SE		Av Rainfall	•	780 m	m	PARENT M	IATERIAL	
Broadclys	st Station	Pit 6		0°			Cereals			ATO:		1586°		Valley grave	els/sandstone	
JOB NO.		DATE		GRID	REFERE	NCE	DESCRI	BED BY	č	FC Days:		166		Topsoil San	ple Ref:	
107/93		12/1/94		ASP 21	77 SX 99	00 9467	HLJ/PRW	V		Climatic G	rade:	1		PRW/96		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size, S Type, a Field N	hape, ind	Mottling Abundance, Contrast, Size and Colour	Structure Developn Size and Shape	nent   P   a	Pores ind Fissures	Structural Condition	Const	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
1	26 cm	7.5YR46	MSL	HR 4% sieve	>2 mm	none	-			m	-		Few fine and medium	none	none	Abrupt/ smoooth
2	58 cm	2.5YR46	SCL	HR 3% mm vi		none	-			m	-		Few very fine	none none none	none	Abrupt/ smooth
3	120 cm	2.5YR48	MSL	- Total HR sie displac	ve +	none	-			m	-		none		none	
Profile Gl	leyed From:	none			Availa	ole Water	Wheat:	119 mr	m			Final .	ALC Grade:	2		
Depth to a Permeable Wetness (	e Horizon:	none I			Moistu	re Deficit	Wheat:	99 mm 113 mn	m			Main I	Limiting Factor	:(s): Drough	tiness	
Wetness (	Grade:	1			Moistu	re Balance	Potatoes: Wheat:	107 mm +6 mm								<u> </u>
							Potatoes:	-8 mm				Remai				
					Drougl	ntiness Grade:	:	2 (to 12	20 cm)			Fit QU	g to 85 cm.			

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SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND USE	<u> </u>	Av Rainfall	1.	780 m		PARENT M	ATERIAL	
Broadclys	st Station	Pit 7		0°			Cereals		ATO:	•	1586°		Valley Grav	els	
JOB NO.	<u>_</u>	DATE		GRID !	REFERE	NCE	DESCRIBED	BY	FC Days:		166		Soil Sample	Ref:	
107/93		12/1/94		ASP 36	60 SX 99	2 942	PRW/HLJ		Climatic G	rade:	1		PRW/95 + 9	19	
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stonine Size, Sl Type, a Field M	Shape, and	Mottling Abundance, Contrast, Size and Colour	Structure: Development 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 cm 58 cm	5YR34	MSL	3% >2c visual	cm HR	none	-	-	-	-		V. few fine	none	none	Clear/ smooth
2	58 cm	2.5YR36	MSL	3% >2c visual	cm HR	none	MCSAB	>0.5%	м	Firm		Few fine	i 1 1	Clear/ smooth	
3	110 cm	2.5YR56	GR (MSL)	25% >26 45% >2 70% HR + displa	2 mm R sieve	none	none (determined by stones)	-	М	.	ļ	none	none none smooth		
Profile Gl	leyed From:	None			Availa	ble Water	Wheat: 100	) mm			Final /	ALC Grade:	3a		
Wetness (	e Horizon: Class:	None I 1			Moistu	re Deficit		mm 3 mm 7 mm			Main I	Limiting Factor	r(s): Drough	tiness	
Wetness Grade:		-			Moistu			mm mm			Remar	rks: 1 from 58 cm			
				ļ	Drougł	htiness Grade:	<b>3a</b> (	(to 120 cm)		ſ		, 11010 38 CH		•	

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SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND USE		Av Rainfal	1.	780 m		PARENT M	IATERIAL	
Broadcly	st Station	Pit 8		Flat			PG		AV Raimai	1.	1586°	шп	Alluvium		
JOB NO.		DATE		GRID	REFERE	ENCE	DESCRIBED	BY					Soil Sample	Ref:	
107/93		12/1/94		ASP 3	85 SX 98	38 939	PRW		FC Days: Climatic G	rade:	166 1		None		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	• / P=, ·	hape,	Mottling Abundance, Contrast, Size and Colour	Structure: Development 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 cm	10YR4/4	MZCL	-		-	-	Many	Mod	Friab	le	Many fine	No	No	Abrupt/ smooth
2	38 cm	10YR5/4	с	-		Few medium distinct ochreous <2%	developed s coarse prismatic		Mod	Friab	le	Common fine	No	No	Abrupt/ smooth
3	85 cm	5YR6/4	с	-	_	Common ochreous	Moderately developed coarse prismatic	Few	Mod	Friab	le	Few fine	No	Common	-
Profile G	leyed From:	38 cm			Availa	ble Water	Wheat: 116	mm			Final	ALC Grade:	36		
Depth to Permeabl	Slowly le Horizon:	38 cm			Moistu			mm mm			Main	Limiting Facto	r(s): Wetnes	S	
Wetness	Class:	4					Potatoes: 107	mm							
Wetness	Grade:	3Ъ													
					Moistu	re Balance	Wheat: 3 m	m			Remai	ks:			
							Potatoes: 13 1	nm							
					Droug	htiness Grade:	3a (	to 85 cm)							
					Droug										

SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND U	ISE		A D	-	700		PARENT M	ATERIAL	
Broadclys	st Stațion	Pit 9		3° Eas	st		Cereals			Av Rainfall ATO:		780 1586°		Sandstone		
JOB NO.		DATE		GRID	REFERE	NCE	DESCRI	BED	BY					SOIL SAME	PLE REF	
107/93		13 January	7 1994	ASP 37	73 SX	9845 9400	PRW			FC Days: Climatic G	rade:	166 1		None		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size, S Type, a Field N	hape, ind	Mottling Abundance, Contrast, Size and Colour	Structure Develop Size and Shape	nent	Pores and Fissures	Structural Condition	Consi	stence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
1	30	05YR44	MSL	0		None	-			-	Friabl	e		None	None	
2	70	05YR46	MSL	0		None	MCSAB			Moderate	Friabl	e		None	None	
3	96	2.5YR46	MSL	15% H	R	None	MMSAB	3		Good	Friabl	e		None	None	
4	120	10R46	MSL	11% H	R	7.5YR56	MCSAB			Moderate	Friab	le		Yes	None	
Profile G	leyed From:	96			Availa	ble Water	Wheat:	156	mm			Final .	ALC Grade:	2		
Depth to Permeabl	Slowly e Horizon:	<b>.</b> .			Moistu	re Deficit	Potatoes: Wheat:	111 113				Main	Limiting Factor	r(s): Drough	tiness	
Wetness	Class:	I					Potatoes:	107								
Wetness	Grade:	1			Moistu	re Balance	Wheat:	+43				Remai				
							Potatoes:	+4 n	nm						interit Orig	ingl last
					Drougl	ntiness Grade:		2 (to	o 120 cm)			No inf	written up from formation on datary, roots or po	talogger print		

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SITE NA	ME	PROFILE	NO.	SLOPE	AND A	SPECT	LAND U	JSE		Av Rainfal		780 m	m	PARENT M	IATERIAL	,, <u>-</u>
Broadclys	st Station	Pit 10		3° Nort	th		Perm Gr	ass		ATO:		1586°		Sandstone		
JOB NO.		DATE	· <u></u>	GRID I	REFERE	NCE	DESCRI	BED	BY	FC Days:		167		Soil Sample	Ref:	
107/93		13/1/94		ASP 35	50 SX 98	2 942	PRW			Climatic G	rade:	1		None		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stonine Size, S Type, a Field N	hape, ind	Mottling Abundance, Contrast, Size and Colour	Structure Develop Size and Shape	ment	Pores and Fissures	Structural Condition	Cons	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form
1	22 cm	5YR4/4	MSL	<1%		None	-		Many	Moderate	Friab	le	Many fine	No	None	Abrupt/ smooth
2	45 cm	2.5YR4/6	MSL (light)		<u> </u>	None	MDMSA	AB	Many	Moderate	Friab	le	Few fine	No	None	Clear/ smooth
3	120 cm	2.5YR4/6	LMS	None		None	MDC Pl	aty	Many	Moderate	Firm		Few fine at top	No	None	-
Profile GI	leyed From:	Not gleyed			Availal	ole Water	Wheat:	109	mm			Final A	ALC Grade:	3a		
Depth to Permeable		No SPL			Moistu	re Deficit	Potatoes: Wheat:	90 п 113				Main I	Limiting Factor	r(s): Drough	ıt	
Wetness (		l					Potatoes:	107	mm							
Wetness (	Grade:	1			Moistu	re Balance	Wheat:	-4 m	ım						<u></u>	
							Potatoes:	-17 :	mm			Remai	rks:			
					Drough	ntiness Grade:		3a (1	to 120 cm)							

SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND USE		Av Rainfal	1.	801 n		PARENT M	IATERIAL	
Broadclys	st Station	Pit 11		3° We	st		Winter Cer	eals	ATO:		1563°		Sandstone		
JOB NO.		DATE		GRID	REFERE	NCE	DESCRIBE	D BY	1		169		Soil Sample	Ref:	
107/93		13/1/94		ASP 1	1 SX 990	961	PRW		FC Days: Climatic G	rade:	109		PRW/103 +	104	
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stonin Size, S Type, a Field N	hape, and	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	33 cm	5YR4/4	LMS	-		-	-	Many	Moderate	Friab	le	Common fine	-	-	Abrupt/ smooth
2	62 cm	2.5YR4/6	LMS	-		-	WDMSAB	Many	Good	V. Fr	iable	Few fine	-	-	Clear/ smooth
3	95 cm	2.5YR 4/6	LMS	-		-	WDMSAB	Many	Good	V. Fr	iable	Few fine	-	-	Abrupt/ smooth
4	120 cm	5YR5/8	MS	-		-	Loose SG	Common	Moderate	Loose	2	Not seen		-	<u>.</u>
Profile G	leyed From:	Not gleyed			Availa	ole Water	Wheat: 1	02 mm			Final	ALC Grade:	3a		
Depth to Permeable Wetness ( Wetness (	e Horizon: Class:	No SPL _ 1 1			Moistu	re Deficit	Wheat: 1	8 mm 13 mm 07 mm			Main	Limiting Facto	r(s): Drough	tiness	
W CUICSS	Graue.	1			Moistu			1 mm 9 mm			Rema	rks:			
					Drough	tiness Grade:	3	a (to 120 cm)							

SITE NA	ME	PROFILE	NO.	SLOPE	E AND A	SPECT	LAND U	SE						PARENT M	ATERIAL	
Broadclys	st Station	Pit 12		0°			PGR			Av Rainfall	1:	779 m 1582	m	Alluvium		
JOB NO.		DATE		GRID	REFERE	NCE	DESCRIE	BED	BY	FOR		144		SOIL SAMP	LE REF	·····
107/93		14/1/94		ASP 17	79/1 <b>7</b> 8 S	X 9880 9522	H Lloyd-J P R Wood		and	FC Days: Climatic G	rade:	166 1		PRW/105	_	
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size, S Type, a Field N	hape, ind	Mottling Abundance, Contrast, Size and Colour	Structure Developn 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	15	7.5YR54	MZCL	<1% H visual	R	None	-		>0.5%	-	-		Many fine + very fine	None	None	Clear smooth
2	50	7.5YR62	HCL	<1% H visual	R	7.5YR68 common	WDMP		<0.5%	м	Friab	le	Few very fine	None	Many	Clear wavy
3	100	05YR64	с	0% vis	ual	7.5YR68 many	MDCP		<0.5%	м	Friab	le	Few very fine	None	Few	
Profile G	leyed From:	15 cm			Availa	ble Water	Wheat:	140	mm			Final .	ALC Grade:	3B		
Depth to Permeabl	Slowly e Horizon:	15 (35) cm			Moistu	re Deficit	Potatoes: Wheat:	716 113				Main 1	Limiting Factor	r(s): Wetnes	s	
Wetness	Class:	IV					Potatoes:	107								
Wetness	Grade:	3B			Moistu	re Balance	Wheat:	27 n						<u> </u>		
							Potatoes:	9 m	m			Remai	'KS:			
					Droug	ntiness Grade:		2 (to	) 120 cm)	-						

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SITE NAME PROFILE		NO.	SLOPE	PE AND ASPECT LAND USE				Av Rainfall		779 m	m	PARENT MATERIAL						
Broadclyst Station		13P		4° South			Ley	Ley				1582°		Sandstone				
JOB NO.		DATE		GRID	GRID REFERENCE			DESCRIBED BY						SOIL SAMP	PLE REF			
107/93		14/1/94		ASP 119 SX 987		987 955	PRW/NW			FC Days: Climatic Grade:		167 1		PRW/100				
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	Developr	Structure: DevelopmentPores and Fissures		Structural Condition	Consi	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form		
1	30	05YR43	MSL	-		-	-		Many	Moderate	Friable		Common fine	-	-	Abrupt smooth		
2	58	5YR33	MSL	-		-	Moderately coarse angular blocky		Common >5%	Moderate	Very	friable	Few fine	-	-	Abrupt, irregular		
3	100	7.5YR30	MS	Soft weathering sandstone. Visual estimate 10%		-	Single-grain		Common	Moderate	Loose	e	Few fine	-	-	Sharp, wavy		
4	120 (assumed)	7.5YR30	Weathered sandstone	100%		-	-		>5%	Assume moderate	-		-	-	-			
Profile Gl	leyed From:	None			Availa	ble Water	Wheat:	Wheat: 109 mm				Final	ALC Grade:	3A				
Depth to Permeable	Slowly e Horizon:	None					Potatoes: 99 mm Wheat: 113 mm					Main Limiting Factor(s): Drought						
Wetness Class: I			IVIOIStu	ie Denen	Wheat:		1											
Wetness Grade: 1						Potatoes: 107 mm												
					Moisture Balance		Wheat: -4 mm		nm			Remarks:						
					1		Potatoes:	-8 n	ım				·					
VP336-3					Droug	htiness Grade:	3 <b>a</b>					Patchy	weathering sa	ndstone within	dstone within lower subsoil.			

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SITE NAME		PROFILE	NO.	SLOPE	SLOPE AND ASPECT			Е	Av Rainfall		770	-	PARENT MATERIAL			
Broadclyst Station		Pit 14		0			PGR		Av Rainfall:779 mmATO:1582°			Alluvium				
JOB NO.		DATE		GRID REFERENCE			DESCRIB	ED BY					SOIL SAMI	PLE REFS		
107/93		14/1/94		ASP 2	52 SX 9	984 948	H Lloyd-Jo		FC Days: 166 Climatic Grade: 1				PRW/101			
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: Developme Size and Shape	ent and Fissures	Structural Condition	Consistence		Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	26	05YR44	MZCL	<1% HR visual		None	-	>0.5%	-	-		Common fine	None	None	Abrupt smooth	
2	50	7.5YR56 05YR64 (ped face)	с	0% visual		None .	MDMP	<0.5%	Р	Firm		Few fine	None	Common	Abrupt smooth	
3	120	7.5YR62	с	0% vis	% visual Ochreous common		MDVCP	<0.5%	Р	Firm		None	None	Common		
Profile G	leyed From:	26 cm			Availa	ble Water			Final	ALC Grade:	3b					
Depth to Slowly Permeable Horizon: Wetness Class: Wetness Grade:		26 cm IV 3b			Moisture Deficit		Wheat:	119 mm 113 mm 107 mm			Main Limiting Factor(s): Wetness					
Welless	Grade.						Wheat: 6 mm Potatoes: 12 mm				Remarks:					
					Drough	tiness Grade:	:	2 (to 90 cm)			Pit dug to 90 cm.					

SITE NAME Broadclyst		PROFILE NO.SLOPPit 150°			E AND A	SPECT	LAND USE			Av Rainfal	1.			PARENT MATERIAL			
					0°			Cereals				1563°		Lower Sandstone			
JOB NO. 107/93		DATEGRID REFERENCEDESCRIBED BY14/1/94ASP 19SX 9850 9598P Barnett and P R Wood			FC Days: Climatic G	rade:	169 1		SOIL SAMPLE REF PB/53 + 54 + 55								
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				Structural Condition	Consistence		Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	28	5YR43	LMS	1% >2 cm (visual estimate)		-	-		-	-	-		CVF	-	-	Clear smooth	
2	75	5YR58	LMS	-		-	WMAB		Many	м	V fri	able				Grad smooth	
3	120	2.5YR46	MS	-			WCSAB		Many	М	V fri	able	-		-		
	leyed From:	-			Availa		Wheat:	82 n			Final ALC Grade: 3b						
	e Horizon:	-			Moistu		Potatoes: Wheat:					Main Limiting Factor(s): Drought					
Wetness Wetness		I 1					Potatoes:	107	mm								
.,		•			Moistu		Wheat: -31 mm					Remarks:					
						Potatoes: -41 mm											
					Droug	htiness Grade:		3b									

VP336-3

SITE NAME PRO		PROFILE	PROFILE NO. SLOPE			SPECT	LAND USE		A., Dainfall		901		PARENT MATERIAL			
Broadclyst Station		Pit 16		- 1° NW			PGR	Av Rainfall:801 mmATO:1563°				Sandstone				
JOB NO.	JOB NO.		DATE GI		GRID REFERENCE			DESCRIBED BY			1			LE REF:		
107/93	107/93		14/1/94		SX 982 956		PB HLJ/PRW		FC Days: Climatic G	rade:	169 1		PRW/102			
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: Developmen Size and Shape	Pores and Fissures	Structural Condition	Consi	istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	25	05YR46	MSL	<1% HR visual		None	-	>0.5%	-	-		Common fine and very fine	None	None	Abrupt smooth	
2	52	2.5YR46	MCL	<1% HR visual		None	WDMP	>0.5%	м	Friab	le	Few fine	None	None	Abrupt smooth	
3	84	2.5YR54	с	0% HR	visual	Ochreous + pale few	МАСР	<0.5%	Р	Firm		Few fine (ex-ped)	None	>2%	Abrupt smooth	
4	120 (assumed)	2.5YR46	LMS	0% HR	visual	None	м	>0.5%	М	V fria	able	None	None	None		
Profile G	leyed From:	52 cm			Availat	ble Water			Final .	ALC Grade:	2					
Permeabl	Depth to Slowly Permeable Horizon: Wetness Class:		52 cm III					8 mm 2 mm			Main	Limiting Facto	r(s): Wetnes	S		
Wetness	Grade:	2	2			Moisture Balance		7 mm mm			· · · · · · · · · · · · · · · · · · ·					
								nm			Remarks:					
						Droughtiness Grade:		to 120 cm)								
VP336-	3			I							l			•		