SITE NAI	ME	PRO	OFILE NO.	SLOPE	AND ASPE	ECT	LAND USE		Av Rainfall:	985 mm		PARENT MA	TERIAL	
Newton A	bbot		l (Between Ps 296 & 320)	3° E			Cereal		ATO:	1571 day '	°C	Bullers Hill G	ravel	
JOB NO.		DA	· · ·	GRID F	REFERENC	E	DESCRIBED	BY	FC Days:	202		PSD SAMPLE	ES TAKEN	
17.99		14/4	1/99	SX8588	37020		PB & GN		Climatic Grade:	1		Topsoil 0-25c	m :MCL (S39):Z40:C21%)
Horizon No.	Lowest Av. Depth (cm)	Texture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundance Contrast, Size and Colour	e, Mangan Concs	Structure: F Developme Size and Shape		1 Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	23	MCL	7.5YR4/2	20% HR(V)	0	0	-	-	-	-	CFVF	-	Abrupt Smooth
2	55	HCL	7.5YR5/3	20%HR(V)	FDFO 10YR5/6	0	MDCSAI	B FR	м	G	CFVF	-	Gradual Smooth
3	65	HCL	7.5YR6/4	15%HF	t(V)	COFO 10YR5/6	0	WKCSAI	B FM	м	G	FFVF		Clear Smooth
4	85	с	5YR6/4 (7.5YR7/3)	15%HF	R(V)	MDMO 2.5YR5/6		MASSIV	E VM	Р	P	FVF		
Profile G	leyed Fror	n: 55cn	ı		Available	Water W	heat: 1	14 mm		Final ALC	Grade: 3a			
Slowly Pe Horizon I		65cn	1		Moisture I			95 mm 01 mm		Main Limi	ting Factor(s): Wetness		
Wetness	Class:	III						93 mm						
Wetness	Grade:	3a			Moisture I			+13 mm					• · · · · · · · · · · · · · · · · · · ·	
						Ро	tatoes:	+2 mm		Remarks:				
					Droughtin	ess Grade: 2	(Cal	culated to 120	cm)					

SITE NA	ME	P	ROFILE NO.	SLOPE	AND ASPI	ECT	LAN	ID USE		Av	/ Rainfall:	990 mm		PARENT MA	TERIAL	
Newton A	Abbot	P	it 2 (Nr ASP 371)	2° NW	,		LE1	Grassland		A	ro:	1565 day °	C	Bullers Hill G	ravel	
JOB NO.		D	ATE	GRID	REFERENC	E	DES	CRIBED E	Y	FC	C Days:	203		PSD SAMPLE	ES TAKEN	
17.99		1	4/4/99	SX859	56982		PB &	& GN			imatic Grade: posure Grade:	1		Topsoil 0-25c	m :CSL (S72:	Z21:C7%)
Horizon No.	Lowest Av. Depth (cm)	Textu	re (Ped Face) Colours	Stoning Size,Ty Field N	pe, and	Mottling Abundanc Contrast, Size and Colour	· ·	Mangan Concs	Structure: Developme Size and Shape	Ped		Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	23	CSI	L 10YR3/1		m(S+V) cm(S+D) R	0		0	-		-	-	-	MVF	-	Sharp Smooth
2	40	LC	S 10YR7/1 10YR6/2		2cm(S+V) 2cm(S+D) R	7.5YR5 FDFO		0	Too Stor	ıy	Too Stony	(M)	Р	0	-	Clear Way
3	55	SC/S	CL 10YR6/2	4	2cm(S+V) 2cm(S+D) R	7.5YR5 MDFC		0	Too Stor	ıy	Too Stony	(M)	Р	0	-	Gradual Smooth
4	90+	SCI	L 5YR4/6 7 <i>5</i> YR7/28/2		Ccm(S+V) Ccm(S+D) R	7.5YR5 CDFO (in patch		0	Too Stor	ny	Too Stony	(M)	Р			
Profile G	leyed From	m: 40	cm		Available	Water V	Vheat:	48	3 mm			Final ALC	Grade: 3b			
Horizon Wetness	Class:	III			Moisture I	Deficit V	otatoe: Vheat: otatoe:	98) mm 3 mm 9 mm			Main Limit	ing Factor(s):	·	
Wetness	Grade:	3a	I		Moisture	Balance V	Vheat:	-	50 mm			Remarks:				
					Droughtin	P ess Grade:	otatoe 3b		39 mm culated to 55	cm)		H2 is extre	mely tightly	imus staining v packed - assur discontinuous i		3

SITE NA	ME]	PROF	ILE NO.	SLOPE	AND ASPE	CT	LAN	D USE		Av Rainfall:	1058 mn	1	PARENT MA	TERIAL	
Newton A	bbot	1	Pit 3 Ø	Nr ASP 395)	4° NW			Ploug	hed		ATO:	1509 day	°C	Gurrington Sl	ate	
JOB NO.			DATE	2	GRID F	EFERENCI	ΞΞ	DESC	CRIBED B	Y	FC Days:	210		PSD SAMPLI	ES TAKEN	
17.99			15/4/9	9	SX8536	6976		PB &	GN		Climatic Grade			Topsoil 0-25c	m:C (S29:Z3	1:C40%)
Horizon No.	Lowest Av. Depth (cm)	Textu	ure	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundance Contrast, Size and Colour		Mangan Concs	Structure: F Developme Size and Shape		Structural	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	22	С	3	5YR4/3	10%HF	t(V)	0		0	-	-	-	-	FF,VF	-	Clear Smooth
2	40	C	;		5%HR(V)	0		0	MDCSAI	B FM	М	G (but low)	FVF	-	Clear Smooth
3	64	C	;	2.5YR4/4	5%ZR(V)	CDFP 7.5YR7/		С	WKCPR	VM	Р	Р	FVF	-	Clear Smooth
4	85+	C	2	2.5YR5/4 (7.5YR73)	10%ZF	2(V)	MDMP 7.5YR7/ 5YR5/6 CDMO	/3 5	С	Massive	VM	Р	Р	0		
Profile G	leyed From	n: 4	0cm			Available	Water W	/heat:	12	21 mm		Final AL	C Grade: 4			
Slowly P Horizon I		4	0 cm			Moisture I		otatoes Vheat:		00 mm 01 mm		Main Lin	niting Factor(s): Wetness		
Wetness		II					Pe	otatoes	: 93	3 mm						
Wetness	Grade:	4				Moisture F	Balance W	Vheat:	+	20 mm		Remarks			<u> </u>	
							Pe	otatoes	: +	7 mm		IXCHIGINS				
						Droughtin	ess Grade: 2	2	(Calc	ulated to 120	cm)					

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SITE NA	ME		PROF	FILE NO.	SLOPE	AND ASPE	ECT	LANE	D USE		Av Rainfall:	1013 mm		PARENT MA	TERIAL	
Newton A	Abbot		Pit 4	(ASP 366)	6° NW			PGR			ATO:	1549 day s	РС	Gurrington Sl	ate	
JOB NO.			DAT	E	GRID F	REFERENC	E	DESC	RIBED B	Y	FC Days:	206		PSD SAMPLI	ES TAKEN	<u> </u>
17.99			15/4/9	99	SX8517	76983		PB &	GN		Climatic Grade: Exposure Grade:	1 1		Topsoil 0-25c (S33:Z40:C27		L
Horizon No.	Lowest Av. Depth (cm)	Te	cture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour		langan Concs	Structure: Ped Developme Size and Shape		Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	15		ICL/ ICL	5YR4/3,4/4	5%HR(V)	0		0	-	-	-	-	MVF	-	Abrupt
2	38		ICL	2.5YR4/3	4%HR((V)	0		0	MDCSA breaking MDMG	to	м	G	CVF	-	Gradual Smooth
3	60	ŀ	łCL	2.5YR4/3	4%HR((V)	0		0	MDCSA		М	G	FVF	-	Gradual Smooth
4	86+		с	2.5YR4/4	4%HR	(V)	0		0	WKCSA	B FM	М	G	FVF	-	-
Slowly P	ileyed Fror Permeable		Not gle No SP		<u> </u>	Available		Vheat: otatoes:		7 mm 2 mm	<u>I</u>	Final ALC				<u> </u>
Horizon Wetness	Class:		I 2-72			Moisture I		Vheat: otatoes:)1 mm 5 mm		Main Limi		s). workabin	ity	
Wetness	Grade:		3a/2			Moisture I		Vheat: otatoes:		36 mm 19 mm		Remarks:				
						Droughtin	ess Grade:			ulated to 120) cm)					

SITE NA	ME	P	ROFILI	E NO.	SLOPE	AND ASPE	CT	LAN	ND USE		Av Rainfall:	1051mi	n	PARENT MA	TERIAL	
Newton A	bbot	Pi	it 5 (AS	SP 457)	5° SE			Plou	ughed		ATO:	1514 da	y °C	Gurrington Sl	ate	
JOB NO.		D	ATE		GRID R	EFERENCE	3	DES	SCRIBED B	Y	FC Days:	212		PSD SAMPLI	ES TAKEN	
17.99		2	8/4/99		SX8576	6940		PB &	& GN		Climatic Grac Exposure Gra			Topsoil 0-25c (S34:Z38:C28		Ĺ
Horizon No.	Lowest Av. Depth (cm)	Textu	re (F	Aatrix Ped Face) Colours	Stonine: Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour		Mangan Concs	Structure: Ped Developme Size and Shape		Structura		Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	29	HCI		.5YR4/3- YR4/3	10%HR	(V)	0		0	-	_	-	-	FVF	-	Smooth Clear
2	80	С		2.5YR4/4 2.5YR54)	10%MS	* ST(V)	0		common*	MDCSA breaking MDMSA	to	М	G	none	-	Gradual Smooth
3	110+	с		2.5YR4/4 2.5YR5/4)	20%MS	* ST(V)	0		common	MDCSA breaking MDVC0	to	М	P (borderline)		-	
Profile G	leyed Fron	1: No	ot gleyed	d		Available V	Water W	Vheat:	12	8 mm		Final Al	.C Grade: 3a			
Slowly Pe Horizon I Wetness	From:	Nc I	SPL			Moisture D	Deficit V	otatoe Wheat: otatoe	: 10	8 mm 1 mm mm		Main Li	miting Factor(s): Wk		
Wetness	Grade:	3a				Moisture E		Wheat:		27 mm		Remark	s:			
						Droughtine	P ess Grade:	Potatoe 2		15 mm ulated to 120) cm)	Probed	to 120cm.	k 'Sandstone' s		

SITE NAI	ME	P	PROFI	ILE NO.	SLOPE	AND ASPI	ECT	LAND	USE		Av Rainfall:	1091 mm		PARENT MA	TERIAL	
Newton A	bbot	P	Pit 6 (N	Nr ASP 450)	0°			PGR			ATO:	1486 day °	°C	Ugbrooke San	dstone	
JOB NO.			DATE		GRID I	REFERENC	E	DESCR	BED B	Y	FC Days:	218		PSD SAMPLE	ES TAKEN	
17.99		1	5/4/99	9	 SX8476	56937		PB & G	BN		Climatic Grade: Exposure Grade:	2 1		Topsoil 0-25ci (S25:Z40:C35		
Horizon No.	Lowest Av. Depth (cm)	Textu	ire	Matrix (Ped Face) Colours	Stonine Size,Ty Field N	pe, and	Mottling Abundanc Contrast, Size and Colour	e, Ma Cor	ingan ncs	Structure: P Developmen Size and Shape	ed	Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	30	НС	L	75YR4/3	10%HF	R(VIS)	0		0		-	-	G	MF,VF	_	Gradual Smooth
2	40	с		10YR6/4	30%HF	R(VIS)	FDMO 10YR5/		Few	WKCSAE	B FR	м	G	CVF		Gradual Smooth
3	55	с	-	10YR6/3	20%HI	R(VIS)	CDMC 10YR5/) Co	ommon	WKCSAE	3 FM	Р	Р	FVF	_	Gradual Smooth
4	80	c		10YR7/3	2%HR	(VIS)	MDMC 10YR5/	5	ommon	WKCPR	FM	Р	Р	FVF		
Profile G	leyed Fron	n: 40)cm		1	Available	Water W	Vheat:	12	4 mm		Final ALC	Grade: 3b		L	I
Slowly Pe Horizon I		40) cm			Moisture I		otatoes: Vheat:		2 mm		Main Limit	ting Factor(s): We		
Wetness		II	I					otatoes:		mm						
Wetness	Grade:	3b	0			Moisture I	Balance W	Vheat:	+.	38 mm			<u> </u>	·		
							Р	otatoes:	+	29 mm		Remarks:				
						Droughtin	ess Grade:	2	(Calc	ulated to 120	cm)					

SITE NAI	ME		PROF	TILE NO.	SLOPE	AND ASPE	ECT	LAND	USE		Av Rainfall:	993 mm		PARENT MA	TERIAL	-
Newton A	bbot		Pit 7	(ASP 403)	5° E			PLO			ATO:	1560 day °	°C	Bullers Hill G	ravel	
JOB NO.			DAT	3	GRID F	REFERENC	E	DESCR	RIBED B	Y	FC Days:	203		PSD SAMPLI	ES TAKEN	
17.99			29/4/9	99	SX8640	56968		PB & C	GN		Climatic Grade:	1		Topsoil 0-25c	m: MSZL (S4	44:Z42:C14%
Horizon No.	Lowest Av. Depth (cm)	Tex	ture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour		angan oncs	Structure: Po Developmer Size and Shape		I Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	26	M	SZL	7.5YR3/2	20%HF	R(VIS)	0		0		-	-		CF,VF	-	Gradual Smooth
2	45	м	ICL	7.5YR4/4	30%HF	R(VIS)	0		0	WKCSAE	B FR	м	G	C F, VF	-	Clear Smooth
3	55			10YR6/4	20%HF	R(VIS)	CDFO 7.5YR5/		0	WKCSAE	B FM	P	G	FVF	-	Clear Smooth
4	82+		c	7.5YR6/4	20%HF	R(VIS)	MDMC 5YR5/6		Few	WKCPR	VM	Р	Р	FVF	-	
	leyed Fror		45cm	<u> </u>	J	Available		/heat:)5 mm		Final ALC	Grade: 3a		<u> </u>	ļ
Slowly Pe Horizon I Wetness	From:		55 cm III			Moisture I	Deficit W	otatoes: Vheat:	1(5 mm)1 mm		Main Limit	ting Factor(s): We, Dr		
Wetness	Grade:		3a					otatoes:		3 mm		·	<u> </u>			
						Moisture I	Balance W	vheat: otatoes:		•4 mm 7 mm		Remarks:				
						Droughtin	ess Grade:			culated to 120	cm)					

SITE NA	ME		PROI	FILE NO.	SLOPE	AND ASPE	ECT	LAND USE		Av R	ainfall:	1548 mm		PARENT MA	TERIAL	
Newton A	Abbot		Pit 8	(Asp 38/3)	4° SE			PGR		ATO:	:	1070 day '	°C	Gurrington sla	ate	
JOB NO.	, <u>, , , , , , , , , , , , , , , , </u>		DAT	Ê	GRID F	REFERENC	E	DESCRIBED	BY	FC D	ays:	215	ŀ	PSD SAMPL	ES TAKEN	<u> </u>
17.99		:	10/5/	99	5X8319	97253		PB			atic Grade:	1		Topsoil 0-256	cm: ZC (S16:2	247:C37%)
Horizon No.	Lowest Av. Depth (cm)	Te	kture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour	e. Mangan Concs	Structure: Developm Size and Shape	Ped nent	osure Grade:	1 Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	23		zc	7.5YR4/2	10%ZR (V)	0	0	-		-	-	-	MF,VF	-	Clear smooth
2	45		С	7.5YR5/2	10%ZR (V)	0	0	MDCSA	АВ	FR	М	G	CF,VF	-	Clear smooth
3	55		С	10YR5/2	20%ZR (V)	CDFO 10YR5/	6 (staining	WKCSA	AB	FR	м	G (low)	FVF	-	Gradual smooth
4	80+		С	5YR5/2	90%ZR ((V)	CDFO 10YR5/ Mainly i patches	6 Z in (staining	Too sto	ny	-	(M)	G	0	-	
Profile G	leyed From	n:	45cm			Available	Water W	/heat:	107mm			Final ALC	Grade: 3b			
Slowly Pe Horizon I Wetness			No SP II	Ľ		Moisture I	Deficit W	otatoes: Vheat: otatoes:	100 mm 101mm 93mm			Main Limi	ting Factor(s	s): We		
Wetness	Grade:		3b			Moisture I		/heat:	+6mm			Remarks:				-
						Droughtin	P ess Grade: 2	otatoes:	+7mm alculated to 10)() cm)						
								. (C	alculated to TU	o chiy						

SITE NAI	ME	1	PROF	TLE NO.	SLOPE	AND ASPE	CT	LAN	ND USE		Av F	Rainfall:	1055 mm		PARENT MA	TERIAL	
Newton A	bbot		Pit 9	(Asp 230/229)	0°			PGR	ર		АТС):	1537 day °	C	Tuff / Limesto	ne	
JOB NO.			DAT	E	GRID R	EFERENCI	Ē	DES	SCRIBED B	Y	FC I	Days:	213		PSD SAMPLE	ES TAKEN	
17.99			13/5/	99	5X8358	7068		PB -	+ GN			natic Grade: osure Grade:	1		Topsoil 0-25c	m : HCL (S29	9:Z42:C29%)
Horizon No.	Lowest Av. Depth (cm)	Tex	ture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour		Mangan Concs	Structure: 1 Developme Size and Shape	Ped ent	Consistence	Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	28	Н	CL	5YR4/4	1%HR>2 9%HR<2 10% HR	• •	0		0	-		-	-	-	MF,VF	-	Clear smooth
2	55		С	5YR4/4	1%HR>2 9%HR<2 10% HR		0		0	MDCSA breaking MDMGI	to	FR	М	G	CF,VF	-	Gradual smooth
3	75		с	5YR5/4	40% SLS	T(v)*	5YR5/6 C within stor	nes	F within stones	MKMA determine by stone	ed	FR	М	G	FVF	-	Gradual smooth
4	104		С	5YR5/4	70%SLS	Γ (ν)*	5YR5/6 C within stones	n	F within stones	Too ston	ıy	· -	(M)	G	none	-	
Profile G	leyed Fror	n:	Not G	leyed		Available '	Water W	/heat:	: 1	13mm			Final ALC	Grade: 3a			
Slowly Pe Horizon I Wetness	From: Class:		No SP I 3a	L		Moisture I	Deficit W	otatoe Vheat: otatoe	: 10	02 mm 01mm 3mm			Main Limi	ting Factor(s): Wk		
						Moisture E Droughtine		Vheat: otatoe 2	es: +	+12mm -9mm ulated to 120	0 cm)		Remarks:	НЗЛ	14 intermediate 20% > 2 cn <u>38%</u> < 2 cn 58% SLST	1 (s+v)	ient:

SITE NAI	ME		PROI	FILE NO.	SLOPE	AND ASPE	ECT	LAN	ND USE		Av Rainfall:	1052 mm		PARENT MA	TERIAL	
Newton A	bbot		Pit 10) (Asp 230)	0°			PGR	۲.		ATO:	1537 day °	Ċ	Tuff / limestor	ıe	
JOB NO.			DAT	E	GRID F	REFERENCI	E	DES	SCRIBED B	βY	FC Days:	212		PSD SAMPLI	ES TAKEN	
17.99			13/5/	99	SX8368	37068		PB -	& GN		Climatic Grade: Exposure Grade:	1 1		TS (Asp 230) (S26:Z42:C32		-
Horizon No.	Lowest Av. Depth (cm)	Te	ture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour		Mangan Concs	Structure: P Developmen Size and Shape		Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	25	H	ICL	2.5YR4/6	5% HR (V)	0		0	-	-	-	-	MF.VF	-	Gradual smooth
2	55		С	2.5YR4/6	10%HR	(V)	0		0	MDCSAE	3 FR	М	G	CF,VF	-	Gradual smooth
3	90+		С	2.5YR4/4	5%HR (\	/)	0		0	WKCSAE	3 FR	М	G	FF,VF	-	-
Profile Gl	leyed Fror	n:	Not G	leyed		Available	Water W	Vheat:	1	32mm		Final ALC	Grade: 3a			•
Slowly Pe Horizon I Wetness (From: Class:		No SP I 3a	Ľ		Moisture I	Deficit W	otatoe Wheat: otatoe	: 1	09 mm 01mm 3mm		Main Limit	ing Factor(s): Wk		
wemess	Grade.		Ja			Moisture E		Vheat: otatoe		+31mm +16mm		Remarks:			<u></u>	
						Droughtin	ess Grade: 1	1	(Calc	culated to 120	cm)					

SITE NAI	ME		PROF	FILE NO.	SLOPE	AND ASPE	ECT	LAN	ND USE		Av Rainfall:	1056 mm		PARENT MA	TERIAL	
Newton A	bbot		Pit 11	(Asp 251)	4° NW			PGR	ર		ATO:	1520 day °	C	Chercombe B	ridge Limesto	ne
JOB NO.			DAT	E	GRID F	REFERENC	<u> </u>	DES	SCRIBED B	BY	FC Days:	213		PSD SAMPLI	ES TAKEN	
17.99			13/5/9	99	SX8420	07053		PB -	+ GN		Climatic Grade:	1		None		
Horizon No.	Lowest Av. Depth (cm)	Tex	ture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundanc Contrast, Size and Colour		Mangan Concs	Structure: I Developme Size and Shape		1 Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	15	н	ICL	5YR3/4	20%HF	.(V)	0		0	-	-	-	-	MF,VF	-	Clear Way
2	25		с	5YR3/4	60%HF	2(V)	0		0	Too ston	y FR	(M)	G	MVF	-	Clear Way
3	*	R	ock		90%HF	R(V)				-						
	leyed Fron		Not Gl	•	<u>1,</u>	Available		Vheat:		2 mm		Final ALC	Grade: 4	_	L	I
Slowly Pe Horizon I Wetness	From:		No SP	L		Moisture I	Deficit V	otatoe Wheat: Potatoe	: 8	3 mm 9mm '8mm		Main Limit	ting Factor(s): SD, DR		
Wetness	Grade:		3a			Moisture I		Wheat:		-57mm		Remarks:				
							Р	otatoe	es: -	-45mm			e but depth	not determined	as pit dug to 2	25cm depth.
						Droughtin	ess Grade: 4	4	(Cale	culated to 70	cm)					

SITE NAI	ME		PROI	FILE NO.	SLOPE	AND ASPE	CT	LANI	D USE		Av Rainfall:	1040 mm		PARENT MA	TERIAL	
Newton A	Abbot		Pit 12	(Asp 386)	2° N			CER			ATO:	1474 day °	C	Upper Greens	and	
JOB NO.			DAT	E	GRID F	REFERENCI	E	DESC	CRIBED B	Y	FC Days:	209		PSD SAMPLE	ES TAKEN	
17.99			13/5/	99	SX8868	36984		PB +	GN		Climatic Grade: Exposure Grade:	1 1		Topsoil 0-25c (S42:Z38:C20		
Horizon No.	Lowest Av. Depth (cm)	Te	xture	Matrix (Ped Face) Colours	Stonine Size,Ty Field M	pe, and	Mottling Abundance Contrast, Size and Colour		Mangan Concs	Structure: Po Developmer Size and Shape	ed	Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form
1	24	N	1CL	7.5YR4/2	25%HR	2(V)	0		0	-	-	-	-	MF,VF	-	Sharp Smooth
2	46		с	7.5YR6/6,5/4	50%HF	2(V)	FDFO 7.5YR5/ FDMP 7.5YR7/	6	0	WKMSAI	3 FM	М	G (tow)	CVF	-	Gradual Smooth
3	85+		с	5YR5/8	15%HF	₹(V)	0		0	WKCSAE	B FM	м	G (low)	FVF		
Profile G	leyed From	n:	Not G	leyed		Available	Water W	heat:	1(05 mm		Final ALC	Grade: 2		<u></u>	
Slowly Pe Horizon I Wetness	Class:		No SP I 2	L		Moisture I	Deficit W	otatoes /heat: otatoes	8!	5 mm 9mm 8mm		Main Limit	ting Factor(s): Workabili	ity	
						Moisture E		/heat:		-16mm		Remarks:				
						Droughtine	Pe ess Grade: 2	otatoes		-7mm sulated to 120	cm)	H2 Border	line gleyed.			

SITE NA	ME		PROFILE NO.		SLOPE	AND ASPI	ECT	LA	ND USE		Av I	Rainfall:	1543 mm		PARENT MA	TERIAL			
Newton A	Abbot		Pit 13	(ASP 148)	3° S		Cer	real		ATO:		1045 day °C		Limestone He	ad				
JOB NO.	·	DATE			GRID I	REFERENCE		DESCRIBED BY) BY		Days:	211 1		PSD SAMPLES TAKEN				
17.99			19/5/99		SX84127145						Climatic Grade: Exposure Grade:				Topsoil 0-25cm :C/ZC (S19:Z45:C36%)				
Horizon No.			Texture (Ped Face) Colours		Stoniness: Size,Type, and Field Method		Mottling Abundanc Contrast, Size and Colour	ndance, Mang trast, Conce and		Structure: I Developme Size and Shape	Ped ent	Consistence	1 Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form		
1	24		С	10YR4/3	YR4/3 10% HR(V)		(V) FDFO		F	-		-	-	-	CF	-	Sharp Smooth		
2	90+		С	10YR6/1,6/3	10%ZR,	10%ZR,HR(V) CDFO 10YR5/8			с	MDCPF	ł	FM	Р	Р	FVF	-			
Profile G	leyed Fror	n:	24cm		Available	Water V	Vheat	t: 12	21 mm			Final ALC	Grade: 4						
Slowly Po Horizon 1			24cm		Potato Moisture Deficit Whea) mm			Main Limiting Factor(s): Wetness							
Wetness		IV				WOSTURE		Wheat: 101 mm Potatoes: 93 mm											
wentess	Wetness Grade:		4			Moisture Balance			Wheat: +20 mm				Demonstration						
							Р	otato	es: +	6 mm			Remarks:						
						Droughtin	ess Grade:	2	(Calc	ulated to 120) cm)								

SITE NA	ME		PROFILE NO.		SLOPE	AND ASPE	ECT	LAND U	SE		Av Rainfall:	973 mm		PARENT MA	TERIAL		
Newton A	Abbot		Pit 14 (NrASP 127) 3° E DATE GRID				PGR			ATO:	1559 day °	°C	Watcombe Bro	eccia			
JOB NO.						REFERENC	E	DESCRIBED BY			FC Days:	199		PSD SAMPLE	ES TAKEN		
17.99			25/5/99		SX87887175			PB			Climatic Grade: Exposure Grade:	1		Topsoil 0-25c (S50:Z29:C21			
Horizon No.	Lowest Av. Depth (cm)	Тех	kture	Colours Field		pe, and	be, and Contrast,		gan :s	Structure: Ped Developme Size and Shape		Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form	
1	25	N	MCL 5YR4/3		2%>2 cm (S+V) 18%<2 cm (S+D) 20%HR		0		0	_	-	-	-	MVF	-	Gradual Smooth	
2	53	N	MCL 5YR4/4		1%>2 cm (S+V) 9%<2cm (S+D) 10%HR		0		0	MDFSA	B FR	G	G	MVF	-	Clear Smooth	
3	85	N	ACL	5YR4/6	25%HR(V)		0		0	MDM,FS/	AB FR	G	G	CVF	-	Gradual Smooth	
4	108+	N	MSL	2.5YR4/4	1%>2cm (S+V) 27%<2cm (S+D) 28%HR		FDFO 10YR5/0	F		WKMSA	.B FR	G	G	FVF	-	-	
Profile G	leyed From	n:	Not gl	eyed		Available	l Water W	heat:	15	5 mm	_,,,,,, I	Final ALC Grade: 2					
Slowly Permeable No SPL Horizon From: Wetness Class: I					Moisture I	Deficit W	otatoes: /heat: otatoes:	10	7 mm 1 mm mm		Main Limiting Factor(s): Workability						
	214401		2			Moisture I		heat:		54 mm 24 mm		Remarks:	<u></u>				
						Potatoes: +24 mm Droughtiness Grade: 1 (Calculated to 12) cm)						

SITE NAI	ME	P	PROFILE NO.SLOPEPit 15 (ASP 13)0°		SLOPE	AND ASPE	CT	LA	ND USE		Av Rainfall:	961 mm		PARENT MA	TERIAL			
Newton A	bbot	P			0°	0°			R		ATO:	1604 day °	C	Alluvium				
JOB NO.		D	DATE C			EFERENC	<u> </u>	DĒ	SCRIBED B	Y	FC Days:	197		PSD SAMPLE	STAKEN			
17.99		20	26/5/99		SX85597291			РВ			Climatic Grade:	1	1		None			
Horizon No.	Lowest Av. Depth (cm)	Textu	Matrix Stonine Texture (Ped Face) Size, Ty Colours Field M		be, and Contrast,		ce,	Mangan Concs	Structure: Ped Developme Size and Shape	Exposure Grade: nt Consistence	1 Structural Condition	Porosity	Roots: Abundance and Size	Calcareous	Horizon Boundary: Distinctnes and form			
1	10	С	10 11	R5/2	1%HR(V)		CRRC		0	-	-	-	-	MF,VF	-	Clear Smooth		
2	26	С	10Y	′R5/2	0		CDFO 10YR5/6		0	MDCPR	FM	Р	Р	CVF	-	Clear Smooth		
3	50+	С	2.54	YR6/2	0	MDMO 10YR5/8			0	MDCPR	FM	Р	P (low)	CF,VF*				
Profile G	leyed Fron	n: 0 c	cm			Available '	Water V	Vheat	: 11	8 mm		Final ALC Grade: 4						
Slowly Pe Horizon I		10	10 cm			Moisture I		'otato Wheat		5 mm 91 mm		Main Limiting Factor(s): Wetness						
Wetness Class:		IV					otato											
Wetness Grade:		4				Moisture H	Balance V	Wheat	t: +	17 mm		Remarks: H3 roots mainly ex ped						
							Р	otato	es: +	2 mm								
						Droughtiness Grade: 2 (Calculated to 12)					cm)							

SITE NA	ME		PROF	TILE NO.	SLOPE	AND ASPE	CT	LA	ND USE		Av I	Rainfall:	969 mm		PARENT MA	FERIAL		
Newton A	bbot		Pit 16 (Nr ASP 32) 4° N					PG	R (Track)		ATC	ATO: 1593		°C	Bovey Sands			
JOB NO.			DATI	Ξ	GRID REFERENCE			DESCRIBED BY			FC I	Days:	198		PSD SAMPLES TAKEN			
17.99			27.5.99		SX 8535 7272		PI		РВ		Climatic Grade: Exposure Grade:		i 1		TS 0-25 cm: CSL (S67:Z18:C15%)			
Horizon No.	Lowest Av. Depth (cm)	Text	ure			Mottling ess: Abundance, ype, and Contrast, Method Size and Colour		:e,	Mangan Concs	Structure: Developm Size and Shape	ent	Consistence	Structural Condition	Pores (Fissures)	Roots: Abundance and Size	Calcium Carbonate Content	Horizon Boundary: Distinctnes and form	
1	25	CS	SL	10YR4/2	10% HR (v)		0		0	-		-	-	-	MF,VF	-	Clear Smooth	
2	42	sc	CL	10YR4/3,5/4	5% HR (5% HR (v)			0	WKCA	в	FR	м	G	CF,VF	-	Clear Wavy	
3	55	S	с	2.5Y6/3	0		CDMO		0			FM	Р	G(low)	FVF	_	Grad Wavy	
4	73+	S	C	2.5Y7/3		0	MDMO 10YR66		0	М		FM	Р	Р	FVF	-		
Profile G	leyed Fron	n: 4	2 cm			Available Water Wheat: 129 mm							Final ALC Grade: 3a					
Slowly Permeable Horizon From: 55 cm Wetness Class: III					Potatoes: 99 mm Moisture Deficit Wheat: 101 mm Potatoes: 93 mm							Main Limiting Factor(s): We						
Wetness Grade: 3a						Moisture I	Balance W			+28 mm			Remarks:					
						Potatoes: +6 mm Droughtiness Grade: 2 (Calculated to 12												

SITE NAME Newton Abbot			FILE NO. (Nr ASP 443)	SLOPE AND ASPECT			LAND USP PGR			Av Rainfall: ATO:	1035 mm 1491 day	°C	PARENT MA			
JOB NO.		DAT	È.	EFERENCI	E	DESCRIBE	D BY		FC Days:	208		PSD SAMPLE	STAKEN			
17.99		27.5	27.5.99		SX 88276957		РВ			Climatic Grade: Exposure Grade:	1 1		TS 0-25 cm: CSL/CSZL (S50: Z38: C12%)			
Horizon No.	Lowest Av. Depth (cm)	Texture (Ped Face) Colours		Size,Ty	Stoniness:MottlingSize,Type, andContrast,Field MethodSize andColour		e, Manga Concs				Structural Condition	Pores (Fissures)	Roots: Abundance and Size	Calcium Carbonate Content	Horizon Boundary: Distinctnes and form	
1	13	CSL 10YR3/1		10%HR (v)		0	0		-	-	-	-	MVF	-	Abrupt Smooth	
2	22	CSL 10YR3/1		12%>2 cm (s+v) <u>30%</u> < 2 cm (s+d) 42% HR		0	0	м	IDFSAB	FR	G	G	MVF	-	Abrupt Smooth	
3	48	MCL	7.5YR5/8 10YR3/1 (Topsoil mixing)	<u>32%</u> < 2	12% > cm (s+v) 32% < 2 cm (s+d) 44% HR		0	MD	DM,FSA	B FR	G	G	CVF	-	Clear Wavy	
4	85+	MCL	5YR5/8		2 cm (s+v) 0 2 cm (s+d)		0	0 WKCS		B FR	м	G	FVF	-		
Profile Gl	leyed From	: Not g	leyed*		Available	Water W	heat:	99 mm	ı		Final ALC Grade: 2 (BL 3a)					
Slowly Permeable Horizon From: No SPL Wetness Class: I					Moisture I	Deficit W	otatoes: /heat: otatoes:	79 mm 91 mm 80 mm	n		Main Limiting Factor(s): Dr, Topsoil stoniness					
Wetness Grade: 1					Moisture I		heat: Dtatoes:	+8 mm -1 mm Calculated		(m)	Remarks: Pit dug to 85 cm, probed to 105 cm. An undeveloped peaty ironpan profile, with bleached sand grains and grey colours in H1 and iron deposition in H2 and H3, but not gleyed to ALC definition of gleying.					