SITE NA	ME	PROFILE	NO	SLOPE	E AND A	SPECT	LAND USE		Av Raınfal	1	987 m		PARENT M	IATERIAL	
Long Roa Goodring		Pit 1 (ASI	2 127)	1° S			PGR		ATO		1588°		Mid Devoni	an Limestone	:
JOB NO		DATE		GRID	REFERE	ENCE	DESCRIBE	BY	FC Days		208		TOPSOIL S	AMPLE REI	FERENCE
11/94		21/2/94		SX 866	5583		PB/PW		Climatic G	rade	1		RPT/PB/93		
Horizon Number	l and (m.		Size S Type a	Stoniness Size Shape Type and Field Method Stoniness Abundan 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	15 05YR43 MSZL		MSZL	5% HR	. VIS	0		i				MF	No	0	Ab wavy
2	40	05YR43	05YR43 MSZL 40%		R >2cm R >2mm D)	0	Too stony to assess	Good	М		CF VF		Y	0	Grad smooth
3	70+	05YR54	MCL	30% HI 42% HI 72 (S+I	₹ >2mm	0 (rotten stones only)			М			FVF	Y	0	
Profile G	leyed From				Availa	ble Water	Wheat 58	mm			Final	ALC Grade	3ъ		
	le Horizon				Moistu			mm mm			Main	Limiting Facto	r(s) Dr		
	Vetness Class 1 Vetness Grade 1					Potatoes 88	mm								
Wetness				Moistii	re Balance	Wheat 3) mm								
					Moisture Baix						Rema	rks			
								5 mm				5 cm 44% HR			
					Drougi	htiness Grade	3b	(Calculated	to 70 cm)		(Grade 3b stoniness)				

SITE NA	ME	PROFILE	NO	SLOPE	E AND A	SPECT	LAND U	SE		Av Raınfali		987 m	ım	PARENT M	ATERIAL	
Long Roa		Pit 2 (ASF	P 160)	2° N			CER			ATO		1588°		Igneous Tuf	fs Shalsteins	etc
JOB NO		DATF	,	GRID	REFERE	NCE	DESCRI	BED :	BY	1				TOPSOIL S	AMPLE REI	ERENCE
11/94		21/2/04		SX 867	7581		PB/PW	PB/PW		FC Days Climatic G	rade	208 1		RPT/PB/94		
Horizon Number	on Lowest Av and Depth (cm) Ped Face Texture Type		Type a	Shape Abundance		Structure Developm 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	25	05YR43	HZCL	<1% H	R VIS	0							CR	0	0	Ab smooth
2	50	05YR43	MZCL	MZCL 0		0	MCSAB			М	Friable		FF	0	0	Clear smooth
3	90	05YR44	FSL	0		0	МСАВ			М	Friat	ile	FF	0	0	Clear smooth
4	120	7 5YR54	FSL	0		0	MCSAB			M	Friat	le	0	0	0	
Profile G	leyed From				Availal	ble Water	Wheat	181	mm			Final .	ALC Grade	3 a		
Depth to Permeabl	e Horizon	1			Moistu	re Deficit	Potatoes Wheat	126 97 m				Main	Limiting Facto	r(s) Wk		
	Vetness Grade 3a						Potatoes	88 m	nm							
		- **		;	Moistu	re Balance	Wheat	84 п	nm			Remai	rke			· · · · · ·
							Potatoes	38 n	nm					h		
					Drough	itiness Grade	;	1 (Calculated to				Easy working under hand texturing indicates that a higher grade would be appropriate (Grade 2)				

SITE NA	ME	PROFILE	NO	SLOPE A	AND A	SPECT	LAND USE		A . D 6:11		1100		PARENT M	IATERIAL	
Long Roa		Pit 3		4° North			FLW		Av Rainfall	I	1100n 1545°		Igneous Tuf	fs Shalstein:	s etc
JOB NO		DATE		GRID RE	EFERE	NCE	DESCRIBED	BY	1		202		SOIL SAME	PLE REF	
11/94		22/2/94		ASP 66 S	SX8725	587	HLJ/GC		FC Days Climatic G	rade	207 1		HLJ/19		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Sha Type and Field Met	ipe i	Mottling Abundance Contrast Size and Colour	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 Distinctness and form
1	25	75YR33	MCL	2% SLST 2% SLST 4% SLST (sieve and displacement	<2cm Total	None		Good			_	Common fine + very fine	Very slightly calcareous (0 5%-1%)	None	Clear smooth
2	42	75%44	MZCL	10 / SLST : 15 / SLST : 25 / SLST : 50 / SLST : (sieve + displacement)	>6cm >2cm <2cm Total	None	WDCSAB	Good	М	Friab	le	Few very fine	Slightly calcareous (1 5%)	None	Clear smooth
3	120+	10YR54/ 10YR44	MCL	60 / SLST 2 12 SLST 3 72 / SLST 3 (sieve + displacement	>2cm <2cm Total	None	Defined by stones	Good	М			Few very fine	Very slightly calcareous (0 5% 1%)	None	
Profile G	leyed From	N/A		A	Avaılat	ole Water	Wheat 102	mm			Final .	ALC Grade	2		
Depth to Permeabl	Slowly le Horizon	N/A			Aostu		Potatoes 82n Wheat 97n				Main 1	Limiting Facto	r(s) Drough	tiness	
Wetness	Class	I		"	VIOISLUI										
Wetness	Grade	2		_	_		Potatoes 88n								
				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Moistui	re Balance	Wheat +5n				Remai	ks			
							Potatoes -6m	ım Calçı	ulated to 120 o	cm	Pit du	g to 85 cm			
				E	Orough	tiness Grade	2					-			
317 226				•											

SITE NA		PROFILE Pit 4 (ASF		SLOPE 3° N	E AND A	ASPECT	LAND USE		Av Raınfal	1	1114	mm	PARENT M		e
Goodring		,							ATO		1514	С			
JOB NO		DATE		GRID	REFERE	ENCE	DESCRIBED	BY	FC Days		225		TOPSOIL S	AMPLE RE	FERENCE
11/94		22/2/94		SX 870)580		PB/PW		Climatic G	rade	1		RPT/PB/96		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size S Type a Field M	hape 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	23 5YR44 HZCL		HZCL	2% HF	vis	0						CF VF	0	0	Ab smooth
2	70 5YR44 HZCL 2%		2% HR	HR VIS 0		MMSAB	G	G	Friab	le	FF	0	0	Grad wavy	
3	85	25YR44	HCL	2% HR	VIS	0	MCSAB	G	M	FR		0	0	0	Ab ırregular
4	120	25YR44	HCL	10% H >6cm? VIS	• • • • • • • • • • • • • • • • • • •		MCSAB	G	М	FR		0	0	0	
Profile G	leyed From		· · · · · · · · · · · · · · · · · · ·	•	Availa	ble Water	Wheat 150	mm	•	•	Final .	ALC Grade	3a	•	
Permeabl	Depth to Slowly Permeable Horizon Wetness Class 1					re Deficit	Wheat 97	Wheat 97 mm			Main i	Limiting Facto	r(s) Wk		
Wetness	Wetness Grade 3a			Moisti	re Balance	Wheat 53									
					141012(0	ic Daidlice					Remai	ks			
					Drough	ntiness Grade		Potatoes 49 mm 1 (Calculated to							

			SLOPE	AND A	SPECT	LAND USE		Av D vinfall		1114	nm	PARENT M	ATERIAL	
	Pit 5 (ASF	P 180)	6° W			CER		ATO	ı			Igneous Tuf	fs Shalsteins	etc
	DATE		GRID	REFERE	NCE	DESCRIBED	BY	FOR				TOPSOIL S	AMPLE REF	ERENCE
	22/2/94		SX 872580			PB/PW			rade	1		RPT/PB/97		
Colours		Texture	Size S Type a	hape ind	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
2%				2cm							CF	0	0	Ab smooth
			22% HI (S+D)	R <2cm 0		MCSAB	G	М	FR		FF	0	0	Cl smooth
65	7 5YR46	HCL	33% HI (S+D)	R <2cm	0	WCAB	G	М	FR		FF	0	0	Ab smooth
100+	10YR44	HCL	1		0	М					FF	0	0	
leyed From				Availal	ble Water V	Wheat 89	mm			Final 2	ALC Grade	3a		
Slowly e Horizon				Marata						Main 1	Limiting Facto	r(s) Dr		
Wetness Class I				Moistu										
Grade	2					Potatoes 88	mm							
				Moistu	re Balance	Wheat 8	nm			Demai	·ke			
						Potatoes 8:	nm			Keniai	R.J			
				Drough	itiness Grade	3a	(Calculated (to 120 cm)						
	Lowest Av Depth (cm) 25 42 65 100+ eyed From Slowly e Horizon Class	DATE	DATE	DATE GRID Colours Colours	DATE GRID REFERE	DATE GRID REFERENCE	DATE	DATE GRID REFERENCE DESCRIBED BY	Available Water Available	Available Water Available	Available Water Balance Balan	Available Matrix Contrast Size and Colours	Av Rainfall 1114 mm Indicate Indica	Av Rainfall 1114 mm Igneous Tuffs Shalstens

SITE NA	ME	PROFILE	NO	SLOPE AN	SLOPE AND ASPECT				Av Raınfal	1 11	00 mm	PARENT M	IATERIAL	
Long Roa		Pit 6		2° SE			PGR		АТО		45°	Mid Devoni	an Limeston	e
JOB NO	2	DATE		GRID REF	FEREN	NCE	DESCRIBE	D BY	FC Days	20		SOIL SAMI	PLE REF	
11/94		22/2/94		ASP 37			GC/HLJ		Climatic G	•	,	HLJ/18		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shap Type and Field Meth	ne hod	Mottling Abundance Contrast Size and Colour	Structure Developmer Size and Shape	Pores and Fissures	Structural Condition	Consister	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	10	2 5YR46	MCL_	15% HR To	otal	None		Good			Many fine + very fine	Calcareous (5 10%)	None	Clear smooth
2	25	2 5YR46	19% 62% (Se			None	Determined by stones	Good (between stones)	М		Common very fine	Very calcareous (>10%)	None	Abrupt smooth
3	120+	2 5YR46		>70% HR Total (visu Bedrock				Good (between stones)	М		Few very fine	Calcareous (5 10%)	None	1
Profile G	leyed From			A	vaılabl	le Water	Wheat 32	mm		Fı	nal ALC Grade	4		
Depth to Permeabl	Slowly e Horizon							mm		М	un Limiting Facto	r(s) Drough	tuness	
Wetness	Class	I	M	loisture			mm							
Wetness	Grade	2			r			mm						
				M	loisture			5 mm		Re	marks			
				Dr	rought	iness Grade		8 mm Calculated to	120 cm		g to 45 cm SOIL p 25 cm STONES			В

SITE NAME PROFILE NO			SLOPE AND ASPECT			LAND USE		Av Raınfal	 1	1100n	nm	PARENT M	IATERIAL		
Long Roa		Pit 7		4° Nortl	h		Ploughed		ATO		1545		Igneous Tuf	fs Shalsteins	etc
JOB NO		DATE		GRID R	EFERE	NCE	DESCRIBED	BY	FC Days		207		SOIL SAM	PLE REF	
11/94		23/2/94		ASP 45/	/27		GC/HLJ		Climatic G	гаde	1		GC/150		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stommer Size Sh Type ai Field M	nape nd	Mottling Abundance Contrast Size and Colour	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 Distinctness and form
ì	22	05YR33	MCL	5% >2cn 28% <2c 33% Tot (sieve + displacer	m HR al HR	None		>0 5%				Few fine + v fine	None	None	Clear/wavy
2	53	05YR43	MCL	22% <2c	6 <2cm HR 6 Total HR ve +		WDMSAB But strongly determined by stones	>0 5% (Well fissured)	Good	Friabl	e Few fine + v fine		None	None	Clear/ ırregular
3	120+	05YR43	MCL	80% HR (visual estimate		None	Too stony to assess	>0 5% (well fissured)				none	None	none	
Profile G	leyed From				Availal	ble Water	Wheat 69 i	nm			Final	ALC Grade	3B		
Depth to Permeabl	Slowly e Horizon					5 .5.	Potatoes 61 i				Main	Limiting Facto	r(s) Drough	ntiness	
Wetness	Class	I			Moistu	re Deficit	Wheat 97 i								
Wetness	Grade	2				D .									
					Moisture Balance			mm			Rema	rks			
				}				mm		}		to 60 cm		_	
					Drough	htuness Grade	3B	Calculated to	to 120 cm		H3 not bedrock but large stones >6cm				

SITE NA	ME	PROFILE			E AND A	ASPECT	LAND US	Ē	Av Raınfal	li	1100	mm	PARENT M		
Torbay Long Roa	ad	Pit 8 (ASI	P 3)	8° W			CER		ATO		1545	С	Mid Devoni	an Limeston	e
JOB NO		DATE		GRID	REFERE	ENCE	DESCRIB	ED BY	FC Days		207		TOPSOIL S	AMPLE REI	FERENCE
11/94		23/2/94		SX 860	6592		PRW/PB		Climatic G	rade	1		RPT/PB/98		
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	L'IPC .	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			MSZL	10% T <5% > estima	2cm	None		Many	Mod	Fr		Many fine + v fine	None	None	Abrpt smooth
2	55	25YR ^{3/} 4	MSL	<u>19%</u> <	25% >2cm Non 1 <u>9%</u> <2cm 44% Tot Sieved		Mod med ABK	Many	Good	Fr		Common fine + v fine	None	None	Gradual smooth
4	120	25YR ^{4/} 3	SCL	30% > 19% < 49%		None	WK Med SAB	Many	Good	Fr		Few fine + v fine	None	None	
Profile G	leyed From	Not gleyed			Availa	ble Water	Wheat	l 14 mm			 Final .	ALC Grade	3ъ		
Depth to Permeable	Slowly e Horizon	No SPL				5.6		34 mm			Main I	Limiting Factor	r(s) Slope		
Wetness (Class				Moistu	re Deficit		7 mm							
Wetness Grade		1						38 mm							
					Moistu	re Balance	Wheat -	⊦17 mm			Remai	rks			
							Potatoes -	4 mm							
					Drougl	htiness Grade	2	2 (Calculated	to 120 cm)						