SITE NAME PROFILE NO. SLOP			SLOPE	AND A	SPECT	LAND USE	Av Rainfal	ŀ	800 m	m	PARENT MATERIAL					
Sowton	Sowton Pit 1 0°		0°			Potatoes		ATO:	•	1564		Lower Sandstone				
JOB NO. DATE			GRID REFERENCE			DESCRIBED	FC Days: 169			Topsoil Sample						
108/93	108/93		13/12/93			3 930	PB/GMS	Climatic G	rade:	1		RPT/GMS 3	RPT/GMS 313			
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	7.5YR32	LMS	>1% HR 3% HR 3% HR sieved/6	total	none						Common fine + v. fine	none	none	Diffuse smooth	
2	80	7.5YR42	LMS	2% HR	visual	none	мсав	good	good Fria		le	Few v. fine	none	none	Sharp smooth	
3	110+	7.5YR66	LMS	0% vis	ual	none	MC Platy	Low	Moderate	Friab	le	None_	None	None		
Profile G	leyed From:	Not gleyed			Availa	ole Water	Wheat: 96 i	nm	Final ALC Grade: 3B							
Depth to Permeable	Slowly le Horizon:	no SPL			Moistu	re Deficit			Main Limiting Factor(s): Droughtiness							
Wetness	Class:	I					•	mm mm								
Wetness	Grade:	2 (LS not elig	gible for G	rade 1)	Moistu			mm								
							Potatoes: -31	mm			Remarks: Horizon 3 banded layers.					
					Droughtiness Grade: 3B						Borde	rline 3A, place	ced in 3A mapping unit.			

SITE NAME PROFILE NO.			SLOPI	E AND A	SPECT	LAND US	SE		Av Rainfall		800 m	·	PARENT M	ATERIAL			
Sowton		Pit 2		00	0°			real		ATO:	1,	1564		Lower Sandstone			
JOB NO. DATE		DATE	ATE GRID I			NCE	DESCRIB	BED 1	BY	FC Days:		169		Topsoil Sample			
108/93	108/93		13/12/93		ASP 50 SX 973 935		PB/GMS			Climatic G	rade:	1		RPT/GMS 315			
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: Developm Size and Shape	Development Size and		Structural Condition	Consistence		Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	28	5YR43	LMS	4% HR <2 mm sieved/displ		none						<u>. – </u>	Common v.	none	none	Gradual smooth	
2	85	5YR44	LMS	2% HR 2% HR 4% Tot sieved/	al HR	none	MCSAB		Good	Good	V. friable		Common v. fine in pores	none	none	Clear wavy	
3	110+	5YR58	MS	none	_	none	WCSAB	WCSAB		Moderate	V. F1	iable	none	none	none		
Profile G	leyed From:	not gleyed			Available Water Wheat: 94 mm					Final ALC Grade: 3B							
Depth to Permeable	Slowly le Horizon:	no SPL	no SPL			re Deficit						Main Limiting Factor(s): Droughtiness					
Wetness	Class:	I			IVIOISEG	io Deneit											
Wetness	Wetness Grade:		gible for G	rade 1)	Moistu	re Balance		-17 1									
												Remarks:					
					   Drougl	ntiness Grade		3B				Borderline 3A, placed in 3A mapping unit					

			SLOPE 1° S	AND A	SPECT	LAND US Swedes	LAND USE Swedes			:	800 m		PARENT MATERIAL  Lower Sandstone				
JOB NO. 108/93				GRID REFERENCE ASP 80 SX 978 933		DESCRIBED BY PB/GMS		ATO: 1564 deg  FC Days: 169  Climatic Grade: 1				Topsoil Sample  RPT/GMS 325					
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Type, a	, Shape, Abundance,		Structure: Developm Size and Shape	ent P	Pores and Fissures	Structural Condition	Consistence		Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	30	5YR43	LMS	<1% HR > 2cm 4% HR > 2mm 5% HR Total sieved/displ		none		g	good				Many medium + v. fine	none	none	Gradual smooth	
2	50	5YR44	LMS	large stones 5% HR visual		none	MCSAB	g	good	good	Friab	le	Common v.	none	none	Gradual smooth	
3	85	5YR46	LMS	1% HR sieved/d		none	WCSAB		good	good	Very friable		Few v. fine	none	none	Clear smooth	
4	120	2.5YR48	MSL	0%		none	WCPL	p	ooor	Moderate	Very	friable	none	none	none		
Profile Gl	leyed From:	not gleyed			Availal	ole Water		119 mr 75 mm				Final .	ALC Grade:	3A			
-	e Horizon:	no SPL									. М		Main Limiting Factor(s): Droughtiness				
Wetness	Class:	I					Potatoes:	105 mr	m								
Wetness Grade:		2 (LS not eligable for Gi		Grade	Moisture Balance		Wheat:					Domondo.					
							Potatoes:	-30 mn	m			Remarks:					
					Droughtiness Grade:		3B/3A										

SITE NAME PROFILE NO. SL		SLOPE	SLOPE AND ASPECT			ISE		Av Rainfal	1.	900		PARENT MATERIAL					
Sowton Pit 4			6/4° SW			Ley			AV Kainiai ATO:	1:	800 m		Lower Sand	stone			
JOB NO. D.		DATE	DATE GRID		REFERENCE		DESCRI	DESCRIBED BY		FC Days:		169		Tospoil Sample			
108/93		15.12.93		ASP 101 SX 977 931		PB/GMS	PB/GMS		Climatic G	rade:	1		RPT/GMS 316				
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 Develops Size and Shape	evelopment Pores and and		Structural Condition	Consistence		Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	30	5YR43	MSL	2% HR > 2cm 9% HR > 2mm 11% HR Total sieved/displ		none							Many v. fine	none	none	Gradual smooth	
2	55	5YR44	MSL	3% HR > 2cm 6% HR > 2mm % HR Total sieved/displ		none	MCSAB		Good	Moderate	Friable		Common v. fine	none	none	Gradual smooth	
3	100	5YR46	MSL	4	> 2mm	none	MCSAB		Good	Moderate	Friable		Few v. fine	none	none	Gradual smooth	
4	120	2.5YR48	LMS	none		none	WC Platy	y	Poor	Moderate	V. fr	able	none	none	none		
Profile G	leyed From:	not gleyed			Availat	ole Water	Wheat:	133	mm	Final ALC Grade: 2							
Depth to Permeabl	Slowly e Horizon:	no SPL			Potatoes: 101 mm  Moisture Deficit Wheat: 111 mm						Main Limiting Factor(s): Droughtiness						
Wetness (	Class:	I			Moistu	C Donon											
Wetness Grade: 1						Potatoes:	105	mm							. <u></u>		
				Moisture Balance Wheat: +22 m			mm			Remarks:							
		Potatoes: -4 mm						ım	Nellaiks.								
ם						Droughtiness Grade: 2											

SITE NA	ME	PROFILE	NO.	SLOPI	E AND A	SPECT	LAND US	E	Τ,	Av Rainfall	1.	800 m		PARENT M	IATERIAL		
Sowton		Pit 5		3° N	3° N					AV Kannan ATO:	l.	1564 c		Lower Sand	stone		
JOB NO. DATE			GRID REFERENCE			DESCRIBED BY			FC Days:		169	8	Topsoil San	ıple			
108/93		15/12/93	15/12/93		ASP 3 SX 975 939		GMS/PB			rc Days. Climatic Gi	rade:	1		RPT/GMS 317			
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	Pores and Fissure		Structural Condition Co		istence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and form	
1	30	5YR43	MSL	4% >2 sieve	mm	0	-	Good		-	-		CVF	0	0	Clear smooth	
2	65	5YR44	MSL	4% as	above	0	MCSAB	Good	C	Good Friabl		le	CVF	0	0	Gradual smooth	
3	100	2.5YR46	MSL	0		0	MCSAB	Good	C	Good	Friable		FVF	0	0	Clear smooth	
4	120	2.5YR48	MCL	0		0	MCSAB	Good		Good Friab		le	None	0	0	<u> </u>	
Profile G	leyed From:	Not gleyed		٠	   Availal	ole Water	Wheat: 1	.74 mm				Final A	ALC Grade:	2			
Depth to Permeabl	Slowly e Horizon:	No SPL			Moistu	re Deficit		Main Limiting Factor(s): Droughtiness									
Wetness	Class:	I			Moisiu			11 mm 05 mm									
Wetness Grade: 1																	
Mois					Moistu			33 mm		Remarks:							
Pota  Droughtiness Grade:							-10 mm				Borderline Grade 1						
						tiness Grade:	2	2									