: SITE NAME		PROFILE	NUMBER	SLOPE AND A	SPECT		LAND USE		ł		ainfall :-		PARENT MA	RIAL	
Salisbury	ld Sarum Airfield alisbury 1 rban Area LP		Leve1		FC I			ATO FC D Clim	ays :- 1	Chalk					
Horizon Number	Lowest Av Depth	Matrix and Ped Face Colours	Texture	Stoniness: Size, Shape, Type, and Field Method	Mottling Abundance, Contrast Size and Colour	Deve	ructure: alopment and Shape	Pores and F1ssures	Struct Condit		Conststence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and Form
Topsoil	0-21	10YR43	MZCL	2% (2-6 cm; flint; visual)	None						•			None :	Clear
Sub 1	21-27	10YR54	HCL	10% (2-6 cm; flint and chalk; visual)	None				Assume (Too t stony)	thin a				None	Distinct At common level around pit sides
Parent 1	27-53				l buration (10YR54) of e bken apart by knife	dges of	Fichalk unit	:s; 				Few	ļ i		
Parent 2	53-75+	White chalk;	very compac	ct								No roots of (not even r	served roots from p	evious cr	rops)
Depth to S	=	No evidence - Soil Wetness		Available Water	Wheat :- (Stoppi 76 mm Potatoes :-	ng AP a	at 53 cm)				Final ALC Gra	ade :	- 38		
Wetness Class :- I Wetness Grade :- 1				Potatoes:-						Main Limiting	- Droughtiness, determined by soil depth and rooting depth; Roots would need to penetrate to at least 70 cm before becoming 3A.				
	JC	·		Droughtiness Gra	Potatoes :-						Remarks :-		Poor time observe pe	of year (

SITE NAME Sarum Air Salisbury Area Loca	Airfield		NUMBER	SLOPE AND ASPECT					Av Rainfall :- ATO :- FC Days :- Climatic grade:-	PARENT MARIAL Chalk			
Horizon Number	Lowest Av Depth	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	Structu Conditi		Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctnes and Form
Fopsot1	0-24	10YR52	MZCL	(0-5 cm: free) 20% sst (flint, sieve) 2% vsst (flint, visual)	None				•	Common Straight penetration		None	Gradual colour change
Subsoil	24-37 (soil penetrates in cracks in chalk)	•	HZCL	24-27: ditto 27-37: transitional layer with 50% chalk	None			Assumed	good	Соппол		None	Transitional from 27 cm
Chalk		compact - di	fficult to p	ning and weathering of outer chalk units oult to penetrate by spade						Very few observed			
Permeable Horizon :- Not gleyed Potatoes :- 7 Netness Class :- I Moisture Deficit Wheat :- 10 Potatoes :- 9					Wheat :- 75 mm (g this la	Final ALC Gr	rade :	- 38 - Droughtine (and Topse		·*)
Wetness Grade :- 1 RPG0023/WJC				Droughtiness Gr	Potatoes :22 mm				Remarks :- *	The pit is no fivew of tare well bel. Roots would allow a 3A g	opsoil store ow 15% sst. have to pene	e content.	Most areas

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Old Sarum Salisbury	Old Sarum Airfield Salisbury Urban Area Local Plan		PROFILE NUMBER		SLOPE AND ASPECT					Av Rainfall :- ATO :- FC Days :- 169 Climatic grade:- 1			PARENT MARIAL Chalk			
Horizon Number	Lowest Av Depth	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	Struct		Consistence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness and Form		
- Topsoil	0-22	10YR42	MCL	2% sst (Chalk, flint; visual)	None					•	V Common		None	Slight colour change		
Subso11	22-35	10YR63	HZCL	25% (chalk, visual)	None	Difficult to obt structural units stone content (p MSAB to FSAB)	due to high	l .	ed good		Common		None			
Chalk	35-70+			d very few roots mpactnes of chalk	to 40 cm; no roots evi below 55 cm	dent below										
I					·											
Depth to Permeable		No evidence - soil wetness		Available Water	Wheat :- 81 mm	(stopping AP at 55	cm)			Final ALC Gr	ade :	- 38				
Wetness C	Wetness Class :- I				Moisture Deficit Wheat :- 107 mm						Main Limiting Factor(s) :- Droughtiness					
Wetness G	irade :	- 1		Moisture Balanc	Potatoes :- me Wheat :26 mm											
RPG0023/V	4JC			Potatoes :- Droughtiness Grade :- 3B						Remarks:- Roots would need to be able to penetrate below 66 cm before going into 3A						

SITE NAME		PROFILE	NUMBER	SLOPE AND	ASPECT	LAND U	SE	A	v Rainfall :-	PARENT MARIAL			
Salisbury	ld Sarum Airfield alisbury Urban 4 rea Local Plan			1	tre of minor ression feature)	1			C Days :- 1 11mat1c grade:-	Chalk			
Horizon Number	Lowest Av Depth	Matrix and Ped Face Colours	Texture	Stoniness: Size, Shape, Type, and Field Method	Mottling Abundance, Contrast Size and Colour	Structure: Development Size and Sha	1	Structur Conditio	1	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctnes and Form
Topsoil	0-20	10YR43	MZCL	2% sst (flint, visual)	None					Соптоп		None	Distinct sharp
Sub 1	20-56	10YR44	MZCL	2% sst (flint, visual)	None	Weak MSAB (breaking ea to FSAB)	+ 0.5%	Good	Friable	Соттол		None	Distinct sharp
Sub 2	56-76	10YR44	MZCL.	30% flint (visual)	None	(difficult t structural u stone conten	nits due to hig	ah		Соптол		None	Distinct sharp
Chalk Pit dug t	78-85 -o 85 cm; a		:	r signs of weathe cm - Impenetrab	ering but no roots obse	rved - these s	top at the base	of Sub 2					
Depth to Permeable		No evidence - soil wetness		Available Water	Wheat :- 133 mm	(stopping AP a	t 90 cm)	1	Final ALC Gr	ade :	- 2	<u>1</u>	<u>'</u>
Wetness C	lass :	- I		Moisture Defic	Potatoes :-				Main Limitin	g Factor(s) :	- Droughtin	ess	
Wetness G	irade :	- 1		Moisture Baland	ce Wheat :- +26 mm					······································		_	
RPG0023/H	nc			Droughtiness Gr	Potatoes :-				Remarks :-		Depth to to this depre elsewhere. locally +	ession; sh Topsoil	