

SITE NAME Hill Corner Road Chippenham		PROFILE NO. Pit 2	SLOPE AND ASPECT 0	LAND USE OSR	Av Rainfall: 785 mm ATO: 1444 day °C		PARENT MATERIAL Kellaway Sands	
JOB NO. 66/94		DATE 5/7/94	GRID REFERENCE ASP 27: ST 923 750	DESCRIBED BY PW/PB	FC Days: 174 Climatic Grade: 1 Exposure Grade: 1		SOIL SAMPLE REFERENCES PB 154	

Horizon No.	Lowest Av. Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness: Size, Type, and Field Method	Mottling Abundance, Contrast, Size and Colour	Mangan Concs	Structure: Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots: Abundance and Size	Calcium Carbonate Content	Horizon Boundary: Distinctness and form
1	26	FSL	10YR42	0	CFFOM	0	-	-	-	G	CF*	0	Ab wavy
2	47	MSL	10YR63	0	MDMOM	F	WCAB	Fr	G	P	FF	0	Clear smooth
3	85+	SCL	2.5Y62	0	MDMOM	C	Massive	Fm	P	P	0	0	

Profile Gleyed From: 0 cm
Depth to Slowly Permeable Horizon: 47 cm
Wetness Class: III
Wetness Grade: 2

NL336h

Available Water Wheat: 142 mm
Potatoes: 112 mm
Moisture Deficit Wheat: 98 mm
Potatoes: 88 mm
Moisture Balance Wheat: +44 mm
Potatoes: +24 mm
Droughtiness Grade: 1 (Calculated to 120 cm)

Final ALC Grade: 2
Main Limiting Factor(s): Wetness

Remarks:
*Root plate development over compacted layer within topsoil.

SITE NAME Hill Corner Road Chippenham		PROFILE NO. Pit 1	SLOPE AND ASPECT 5° S	LAND USE PGR	Av Rainfall: 785 mm ATO: 1444 day °C	PARENT MATERIAL Kellaway Clays	
JOB NO. 66/94		DATE 5/7/94	GRID REFERENCE ASP 23: ST 919 750	DESCRIBED BY PB/PW	FC Days: 174 Climatic Grade: 1 Exposure Grade: 1	SOIL SAMPLE REFERENCES PB153	

Horizon No.	Lowest Av. Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness: Size, Type, and Field Method	Mottling Abundance, Contrast, Size and Colour	Mangan Concs	Structure: Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots: Abundance and Size	Calcium Carbonate Content	Horizon Boundary: Distinctness and form
1	20	MSL	10YR42	0 Vis	FFFOM	0	-	-	-	G	MF, VF	0	Ab smooth
2	40	HCL	10YR62	0 Vis	MDMOM	0	WCPr	Fm	P	G	CF	0	Cl smooth
3	87+	C	10YR72	0 Vis	MDMOM	0	WCPr	Fm	P	P	FF	0	

Profile Gleyed From: 40 cm
Depth to Slowly Permeable Horizon: 40 cm
Wetness Class: III
Wetness Grade: 3a

NL336h

Available Water Wheat: 122 mm
Potatoes: 99 mm
Moisture Deficit Wheat: 98 mm
Potatoes: 88 mm
Moisture Balance Wheat: +24 mm
Potatoes: +11 mm
Droughtiness Grade: 2 (Calculated to 120 cm)

Final ALC Grade: 3a
Main Limiting Factor(s): Wetness

Remarks: