DEEP CALCAREOUS CLAY LOAM

General Description: Medium textured brown surface soil over a calcareous medium textured silty subsoil grading to alluvium

Landform:	Alluvial flats		-	-			*					
Substrate:	Alluvial light	clay										
Vegetation:	Stipa spp. (sp and bindyi.	ear grass)		いない		and and and and and and and and and and	and the second sec					
Type Site:	Site No.:	CM079										
	1:50,000 sheet: Annual rainfall: Landform: Surface:	6830-3 (Lindle 220 mm Alluvial flat, 0 Firm with no s	ey))% slope stones	Hundre Sampli	Ired: Lindley bling date: 18/11/96							
Soil Description	:											
Depth (cm)	Description											
0-20	Brown clay loam with moderate granular structure. Clear to:											
20-45	Brown highly ca moderate polyhe	lcareous silty cl dral structure. C	lay loam with Gradual to:									
45-70	Brown very high moderate blocky carbonate. Gradu	ly calcareous si structure and 1 al to:	ilty clay loam 0-20% fine	with								
70-100	Brown very high weak prismatic s carbonate. Diffus	ly calcareous situation to the set of the se	ilty clay loam 10% soft	with								
100-140	Brown very high weak prismatic s blocky, and 10-2	ly calcareous li tructure breakir 0% soft carbon	ght clay with ng to moderat ate.	e	2 3 4 Introduction							

Summary of Properties

Drainage	Well drained - the soil is unlikely to remain wet for more than a few days following prolonged rain.									
Fertility	Inherent fertility is high, as indicated by exchangeable cation data.									
рН	Alkaline throughout.									
Rooting depth	140 cm in pit, but few roots below 100 cm.									
Barriers to root growth										
Physical:	None.									
Chemical:	None.									
Water holding capacity	Approximately 140 mm in root zone.									
Seedling emergence:	Good.									
Erosion Potential										
Water:	Low.									
Wind:	Moderately low - stock will pulverize soil creating an erosion hazard.									

Laboratory Data

Depth cm	pH H ₂ O	pH CaC1 ₂	CO3 %	EC1:5 dS/m	ECe dS/m	Org.C %	Avail. P	Avail. K	SO ₄ -S mg/kg	Boron mg/kg	ron Trace ;/kg		Trace Elements mg/kg (DTPA)			CEC cmol	Exc	ESP		
							iiig/kg	mg/ Kg			Cu	Fe	Mn	Zn	(+)/Kg	Ca	Mg	Na	K	
Paddock	8.5	7.8	2	0.16	0.67	-	-	-	-	-	1	-	-	-	I	-	-	-	-	-
0-20	8.4	7.8	2	0.15	0.55	-	-	-	-	-	-	-	-	-	25.2	13.6	4.7	0.24	3.45	1.0
20-45	8.5	7.8	3	0.14	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45-70	8.7	8.0	16	0.18	0.50	-	-	-	-	-	-	-	-	-	18.5	7.9	7.2	0.65	1.32	3.5
70-100	8.8	8.1	14	0.15	0.45	-	-	-	-	-	-	-	-	-	_	-	-	-	-	-
100-140	8.8	8.2	16	0.15	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Paddock sample bulked from cores (0-10 cm) taken around the pit.

CEC (cation exchange capacity) is a measure of the soil's capacity to store and release major nutrient elements. ESP (exchangeable sodium percentage) is derived by dividing the exchangeable sodium value by the CEC.