

Project Name: LSG
Project Code: LSG **Site ID:** CP82 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	J.R. Sleeman	Locality:	300M beyond General Bridges grave:
Date Desc.:	01/04/77	Elevation:	680 metres
Map Ref.:	Sheet No. : S155-16 1:250000	Rainfall:	640
Northing/Long.:	149.9	Runoff:	No runoff
Easting/Lat.:	-35.2833333333333	Drainage:	Rapidly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Dunefield
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	210 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol	Principal Profile Form:	Uc5.11
ASC Confidence:	Great Soil Group:	Siliceous sand
All necessary analytical data are available.		

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Sod grass, , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Reddish brown (5YR4/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; Gradual change to -
C1	0.1 - 0.3 m	Dark reddish brown (2.5YR3/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; Gradual change to -
C2	0.3 - 0.5 m	Yellowish red (5YR4/8-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; Gradual change to -
C3	0.5 - 0.7 m	Yellowish red (5YR4/8-Moist); , 2.5YR46, 20-50% , Distinct; , 20-50% , Distinct; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; Gradual change to -
C4	0.7 - 0.95 m	Red (2.5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence;

Morphological Notes

Observation Notes

EARTHY BRIDGES 30-50CM:CLAY BRIDGES 70-95CM:50-70CM TRANSITIONAL B: 0-30CM SLIGHTLY AGGLOM:COLLUVIUM:

Site Notes

C'BERRA A'PORT

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol	(+)/kg		
0 - 0.1	5.9A	0.03A	2.4K	0.9	0.18	0.03	5.1B	8.6J	0.35
0.1 - 0.3	5.7A	0.01A	1.3K	0.7	0.06	0	3.4B	5.5J	0.00
0.3 - 0.5	6.2A	0.01A	1.2K	0.51	0.03	0.02	1.2B	3J	0.67
0.5 - 0.7	6.2A	0.01A	0.73K	0.95	0.06	0.02	2.8B	4.5J	0.44
0.7 - 0.95	6.2A	0.01A	0.6K	1.2	0.07	0.03	1.6B	3.5J	0.86

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		1.06D			0.086B			2	42D	33	14	10
0.1 - 0.3		0.37D			0.036B			3	51D	30	12	8
0.3 - 0.5		0.15D			0.014B			1	60D	27	8	6
0.5 - 0.7		0.11D						1	63D	23	6	8
0.7 - 0.95		0.07D							64D	22	5	10

[illegible]

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Laboratory Analyses Completed for this profile

13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7_NR	Total nitrogen (%) - Not recorded
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance