Project Name: Project Code: Agency Name:	LSG LSG Site ID: CSIRO Division of Soils (/		bservation ID:	1
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.: Geology	J.R. Sleeman 01/04/77 Sheet No. : S1 55-16 1:250000 149.1 -35.2	Runoff: Drainage:	Gundarro Pdk. 7 650 metres 640 Slow Poorly drained	
ExposureType: Geol. Ref.:	Undisturbed soil core No Data	Conf. Sub. is Pare Substrate Materia		ta urbed soil core, Non-porous, dense,
Land Form Rel/Slope Class:	Gently undulating plains <9m 1 3%		Alluvial plain	
Morph. Type: Elem. Type: Slope: <u>Surface Soil Co</u>	Flat Valley flat 2 % ondition (dry): Soft	Relief: Slope Category: Aspect:	No Data Very gently slope 0 degrees	ed
Erosion: Soil Classificat	ion			
Australian Soil C Eutrophic Mesona ASC Confidence All necessary and Site Disturbance	lassification: tric Red Sodosol :: ilytical data are available. : <u>e:</u> Complete clearing. Pasture, n	Princi Great ative or improved, cult		N/A Dy2.42 Solodic soil ge
Vegetation: Surface Coarse	Low Strata - Sod grass, , . *S • Fragments: 2-10%, fine grave		e recorded	
Profile Morpho		iny, 2 onini, , onaic		
A1 0 - 0.1 m		fabric; Dry; Very weak coarse fragments; Fev	consistence; 2-10 ^o v (2 - 10 %), Ferron	%, medium gravelly, 6-
0.1 - 0.18	3 m Brown (10YR5/3-Moist); L Sandy (grains prominent) dispersed, Shale, coarse Field pH 6.3 (pH meter); C	fabric; Very weak con fragments; Few (2 - 10	sistence; 2-10%, m	edium gravelly, 6-20mm,
A2 0.18 - 0.3		irm consistence; 2-10 - 10 %), Ferromangar	%, medium gravelly	v, 6-20mm, dispersed, Shale,
B21 0.3 - 0.4	blocky; Smooth-ped fabr	ic; Dry; Very strong co fragments; Very few (0	nsistence; 0-2%, m	structure, 20-50mm, Angular edium gravelly, 6-20mm, ganiferous, Fine (0 - 2mm),
B22 0.4 - 0.6	fabric; Dry; Very strong co	onsistence; 0-2%, med w (0 - 2 %), Ferroman	ium gravelly, 6-20m	
2B2 0.6 - 0.8		ade of structure; Smoo 60mm, dispersed, Sha	th-ped fabric; Dry; Nile, coarse fragmen	Very strong consistence; 10- ts; Common (10 - 20 %),
2B2 0.8 - 1 m	grade of structure; Dry; Ve	ery strong consistence fragments; Common (; 10-20%, coarse g	tinct; Medium clay; Massive ravelly, 20-60mm, anganiferous, Medium (2 -6
Morphological	Notos			

Morphological Notes

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<u>Observation Notes</u> DARK TUBULES 30-40CM:COLLUVIUM/ALLUVIUM FROM CANBERRA GROUP - (SHALES):LAYERS RE NUMBERED 21/10/92

Site Notes

GINNINDERRA

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Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	a	Wig	ĸ	Cmol (%
0 - 0.1	5.6A	0.08A	2K	0.51	0.3	0.29	8.5B	12.2J		2.38
0.1 - 0.18	6.3A	0.06A	2.6K	0.29	0.09	0.46	4.1B	7.6J		6.05
0.18 - 0.3	7.1A	0.06A	ЗK	0.49	0.1	0.52	1.9B	6.1J		8.52
0.3 - 0.4	7.2A	0.45A	15.3K	3.8	0.48	3.4	6B	29J		11.72
0.4 - 0.6	7.6A	1A	16.3K	5.2	0.51	4.8	5.8B	32.6J		14.72
0.6 - 0.8	7.9A	0.93A	11.7K	4.7	0.39	4.5	1B	22.3J		20.18
0.8 - 1	7.7A	1.2A	9.1K	4.5	0.33	4.7	0.6B	19.1J		24.61
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	al Bulk Density	Particle GV CS	Size FS	Analysis Silt Clay

m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		2.12D			0.189B			6	3D	46	31	15
0.1 - 0.18		0.81D			0.081B			8	8 4D	47	34	14
0.18 - 0.3		0.35D			0.044B			ç) 4D	46	33	15
0.3 - 0.4		0.56D			0.065B			2	2 1D	20	17	60
0.4 - 0.6		0.35D						1	1D	17	17	64
0.6 - 0.8	0.08A	0.2D						1	2D	31	23	43
0.8 - 1	0.08A	0.16D						5	3D	34	23	38
Depth	COLE	Sat.			metric Water).5 Bar 1	r Conte Bar	ents 5 Bar	15 Bar	K sa	t P	unsat	
m		Sat.	0.05 Bar	олваг с g/g -		Dai	j Ddr	15 Bar	mm/	h	mm/h	

0 - 0.1 0.1 - 0.18 0.18 - 0.3 0.3 - 0.4 0.4 - 0.6 0.6 - 0.8 0.8 - 1

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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++) - med 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
19A1	Carbonates - rapid titration
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