

Project Name: LSG
Project Code: LSG **Site ID:** CP90 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	J.R. Sleeman	Locality:	Irrigation 2nd paddock. just below Imgn dam:
Date Desc.:	//	Elevation:	660 metres
Map Ref.:	Sheet No. : S15516 1:250000	Rainfall:	640
Northing/Long.:	149.1	Runoff:	Moderately rapid
Easting/Lat.:	-35.2	Drainage:	Poorly drained

Geology

Exposure Type:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Slightly porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry): Firm, Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Eutrophic Yellow Chromosol		Principal Profile Form:	Gn3.85
ASC Confidence:		Great Soil Group:	Yellow podzolic soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

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

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, , Detrital sedimentary rock (unidentified)

Profile Morphology

A11	0 - 0.1 m	Brown (10YR4/3-Moist); Light grey (10YR7/2-Dry); ; Fine sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations; Field pH 5.7 (pH meter); Diffuse change to -
A12	0.1 - 0.2 m	Brown (10YR4/3-Moist); Light grey (10YR7/2-Dry); ; Fine sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations; Field pH 5.8 (pH meter); Diffuse change to -
A13	0.2 - 0.3 m	Brown (10YR4/3-Moist); Light grey (10YR7/2-Dry); ; Fine sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations; Field pH 6.1 (pH meter); Clear change to -
A21	0.3 - 0.4 m	Light yellowish brown (10YR6/4-Moist); White (10YR8/2-Dry); ; Loamy fine sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very firm consistence; 10-20%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Soft segregations; Field pH 6.2 (pH meter); Diffuse change to -
A22	0.4 - 0.5 m	Light yellowish brown (10YR6/4-Moist); White (10YR8/2-Dry); ; Loamy fine sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very firm consistence; 10-20%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Soft segregations; Field pH 6.3 (pH meter); Gradual change to -
A3	0.5 - 0.6 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR8/3-Dry); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 10-20%, coarse gravelly, 20-60mm, dispersed, Gravel, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations; Field pH 6.9 (pH meter); Abrupt change to -
B1	0.6 - 0.75 m	Brownish yellow (10YR6/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 10-20%, coarse gravelly, 20-60mm, dispersed, Gravel, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations; Field pH 6.8 (pH meter); Gradual change to -

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B2 0.75 - 1 m Brownish yellow (10YR6/8-Moist); , 7.5YR56, 2-10% , Distinct; , 2-10% , Distinct; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, dispersed, Gravel, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations; Field pH 6.8 (pH meter);

Morphological Notes

Observation Notes

ALLUV/COLLUV FROM MT.PAINTER PORPHYRY: LAYERS RE NUMBERED 21/10/92

Site Notes

GINNINDERRA

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[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