

**Project Name:** LSG  
**Project Code:** LSG      **Site ID:** CP62      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (VIC)

**Site Information**

<b>Desc. By:</b>	J.R. Sleeman	<b>Locality:</b>	Padock 9 to 10M S.W. of pump. site:
<b>Date Desc.:</b>	22/06/76	<b>Elevation:</b>	80 metres
<b>Map Ref.:</b>	Sheet No. : 7626    1:100000	<b>Rainfall:</b>	360
<b>Northing/Long.:</b>	143.966666666667	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-35.766666666667	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<b>Aspect:</b>	200 degrees

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epihypersodic-Endoacidic Massive Brown Vertosol		<b>Principal Profile Form:</b>	Ug5.5
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Brown clay
All necessary analytical data are available.			

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Light medium clay; Massive grade of structure; Very strong consistence; Field pH 7.3 (pH meter); Common
0.1 - 0.2 m	Brown (10YR4/3-Moist); ; Light medium clay; , Angular blocky; Very firm consistence; Field pH 8.1 (pH meter);
0.2 - 0.3 m	Brown (10YR5/3-Moist); ; Light medium clay; Massive grade of structure; Weak consistence; Field pH 8 (pH meter);
0.3 - 0.4 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay; Massive grade of structure; Very weak consistence; Field pH 8.2 (pH meter);
0.4 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay; Massive grade of structure; Very weak consistence;
0.5 - 0.6 m	Light yellowish brown (10YR6/4-Moist); ; Light medium clay; Massive grade of structure; Very weak consistence; Field pH 8.3 (pH meter);
0.6 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; Light medium clay; Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft segregations;
0.7 - 0.8 m	Light yellowish brown (10YR6/4-Moist); ; Light medium clay; Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft segregations; Field pH 7.5 (pH meter);
0.8 - 0.9 m	Light yellowish brown (10YR6/4-Moist); ; Light medium clay; Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft segregations;
0.9 - 1 m	Light yellowish brown (10YR6/4-Moist); ; Light medium clay; Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft segregations; Field pH 7.9 (pH meter);
1 - 1.1 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR54, 2-10% ; , 2-10% ; Light medium clay; Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft segregations;
1.1 - 1.2 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR54, 10-20% ; , 10-20% ; Light medium clay; Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft segregations;

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1.2 - 1.3 m      Light yellowish brown (10YR6/4-Moist); , 2.5YR54, 10-20% ; , 10-20% ; Light medium clay;  
Massive grade of structure; Weak consistence; , Gypseous, Medium (2 -6 mm), Soft  
segregations;

**Morphological Notes**

**Observation Notes**

GLOSSY SURFACES 30-90CM:"PIPES"(30-90CM) MN STAINING ON SHINY FACES:HORIZONTAL BAND AT 2-4CM:

**Site Notes**

KERANG FARM

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

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
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
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