Project Name: LSG
Project Code: LSG **Site ID:** CP65 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By: P.H. Walker
Date Desc.: 01/07/76
Map Ref.: Sheet No. : 8727 1:100000
Northing/Long.: 149.266666666667
Easting/Lat.: -35.1833333333334
Locality: Gauging Station (ford) high alluvial bench
Elevation: 680 metres
Rainfall: 640
Runoff: Slow
Drainage: Well drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: 1.5 m deep,Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: Flat
Elem. Type: Valley flat
Slope: 2 %
Pattern Type: Terrace (alluvial)
Relief: No Data
Slope Category: Very gently sloped
Aspect: 125 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:
Melanic Regolithic Chernic Tenosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Uc
Great Soil Group: Alluvial soil

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

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

Surface Coarse Fragments:

Profile Morphology

	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence; Field pH 6.4 (pH meter);
	0.1 - 0.22 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence; Field pH 6.4 (pH meter); Abrupt change to -
	0.22 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Firm consistence; Field pH 6.2 (pH meter); Diffuse change to -
	0.4 - 0.45 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence; Field pH 6.3 (pH meter); Abrupt change to -
	0.45 - 0.48 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Very firm consistence; Field pH 6.3 (pH meter); Abrupt change to -
	0.48 - 0.55 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Very firm consistence; Field pH 6.3 (pH meter); Abrupt change to -
	0.55 - 0.69 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Very firm consistence; Field pH 6.3 (pH meter); Abrupt change to -
AB	0.69 - 0.85 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Very firm consistence; Field pH 6.1 (pH meter); Abrupt change to -
AB	0.85 - 1.1 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Very firm consistence; Field pH 6.5 (pH meter); Diffuse change to -
B	1.1 - 1.3 m	Black (2.5Y2/2-Moist); , 7.5YR44, 2-10% ; , 2-10% ; Clay loam, fine sandy; Moderate grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 7.5 (pH meter); Diffuse change to -
B	1.3 - 1.35 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR55, 2-10% ; , 2-10% ; Sandy clay loam; Massive grade of structure; Very firm consistence; Field pH 7.7 (pH meter);
CB	1.35 - 1.4 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR55, 2-10% ; , 2-10% ; Sandy clay loam; Massive grade of structure; Very firm consistence; Field pH 7.7 (pH meter);

Project Name: **LSG**
Project Code: **LSG** **Site ID:** **CP65** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (NSW)**

CB	1.4 - 1.45 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR55, 2-10% ; , 2-10% ; Sandy clay loam; Massive grade of structure; Very firm consistence; Field pH 7.7 (pH meter);
CB	1.45 - 1.5 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR55, 2-10% ; , 2-10% ; Sandy clay loam; Massive grade of structure; Very firm consistence; Field pH 7.3 (pH meter);

Morphological Notes

Observation Notes

ALLUVIUM 0-40CM FAUNAL CHANNELS TO 2CM DIAMETER 45-69 SEDT. LAMINATED ZONE 69-110 BIOTURBATED

Site Notes

UPPER YASS RV.

Project Name: LSG
Project Code: LSG **Site ID:** CP65 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.05	6.5A	<0.04A	2.5K	2.1	0.29	0.02	2.7B	9J		0.22
0.05 - 0.1	6.4A	<0.04A	2.8K	1.9	0.15	0.03	5.1B	10J		0.30
0.1 - 0.15	6.3A	<0.04A	3.3K	2.1	0.08	0.04	5B	10.5J		0.38
0.15 - 0.2	6.5A	<0.04A	3K	2.1	0.08	0.04	2.8B	8J		0.50
0.2 - 0.22	6.4A	<0.04A	2.6K	1.9	0.07	0.05	2.9B	7.5J		0.67
0.22 - 0.25	6.4A	<0.04A	3.2K	2.4	0.09	0.08	3.7B	9.5J		0.84
0.25 - 0.3	6.2A	<0.04A	3.7K	2.7	0.08	0.11	7.4B	14J		0.79
0.3 - 0.35	6A	<0.04A	3.2K	2.5	0.06	0.11	7.1B	13J		0.85
0.35 - 0.4	6.1A	<0.04A	3.5K	2.5	0.08	0.15	7.3B	13.5J		1.11
0.4 - 0.45	6.3A	<0.04A	2.5K	1.9	0	0.05	6B	10.5J		0.48
0.45 - 0.48	6.3A	<0.04A	3.3K	2.2	0.03	0.15	8.8B	14.5J		1.03
0.48 - 0.5	6.3A	<0.04A	2.8K	2	0.08	0.24	4.4B	9.5J		2.53
0.5 - 0.55	6.3A	<0.04A	3.2K	2.2	0.07	0.25	8.3B	14J		1.79
0.55 - 0.6	6.3A	<0.04A	3.6K	2.2	0.07	0.27	6.9B	13J		2.08

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		0.9D			0.086B							
0.05 - 0.1		0.79D			0.066B							
0.1 - 0.15		0.8D			0.071B							
0.15 - 0.2		0.8D			0.072B							
0.2 - 0.22		0.72D			0.066B							
0.22 - 0.25		0.92D			0.069B							
0.25 - 0.3		1.39D			0.086B							
0.3 - 0.35		1.66D			0.071B							
0.35 - 0.4		0.99D			0.077B							
0.4 - 0.45		0.72D			0.053B							
0.45 - 0.48		0.96D			0.062B							
0.48 - 0.5		0.6D			0.05B							
0.5 - 0.55		0.89D			0.065B							
0.55 - 0.6		0.83D			0.064B							

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.05										
0.05 - 0.1										
0.1 - 0.15										
0.15 - 0.2										
0.2 - 0.22										
0.22 - 0.25										
0.25 - 0.3										
0.3 - 0.35										
0.35 - 0.4										
0.4 - 0.45										
0.45 - 0.48										
0.48 - 0.5										
0.5 - 0.55										

Project Name: **LSG**
Project Code: **LSG** **Site ID:** **CP65** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (NSW)**

0.55 - 0.6

Project Name: **LSG**
Project Code: **LSG** **Site ID:** **CP65** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (NSW)**

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
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