

Project Name: WAG
Project Code: WAG **Site ID:** C47 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	Beattie, John	Locality:	Approx. 800m east of Lockhart on Wagga Road, south of Road on Lockhart Common.
Date Desc.:	10/01/57	Elevation:	156 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	460
Northing/Long.:	147	Runoff:	Moderately rapid
Easting/Lat.:	-35.25	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	3 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	N/A
		Great Soil Group:	Red-brown earth

Site Disturbance:

Vegetation:

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.02 m	Brown (7.5YR5/3-Moist); ; Clay loam; Weak grade of structure, 10-20 mm, Platy; Strong grade of structure, 2-5 mm, Platy; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Abrupt change to -
B1	0.02 - 0.12 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Weak consistence;
B1	0.12 - 0.23 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; Weak grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Weak consistence; Abrupt change to -
B21	0.23 - 0.3 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions;
B22	0.36 - 0.43 m	Dark reddish brown (2.5YR3/4-Moist); ; Heavy clay; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions;
	0.5 - 0.58 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Very weak consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Abrupt change to -
2A	0.68 - 0.76 m	Brown (7.5YR4/3-Moist); , 10YR64; , 10YR58; Light clay; Moderately moist; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Gradual change to -
2AB	0.91 - 0.99 m	Brown (10YR5/3-Moist); ; Medium clay; Moderately moist; Very weak consistence; 2-10%, coarse gravelly, 20-60mm, rounded, Gravel, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions;
2B	1.16 - 1.24 m	Pale brown (10YR6/3-Moist); ; Heavy clay; Moderately moist; Very weak consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions;
	1.65 - 1.75 m	Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Very weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions;

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	1.85 - 1.95 m	Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Very weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions;
	2.74 - 2.82 m	Brown (10YR5/3-Moist); , 5YR48; , 5YR66; Heavy clay; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; Abrupt change to -
3A	3.07 - 3.15 m	Very pale brown (10YR7/3-Moist); , 10YR82; , 10YR53; Heavy clay; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, , Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Concretions;
	3.35 - 3.47 m	Yellowish brown (10YR5/4-Moist); , 10YR66; , 5YR46; Light clay; Firm consistence; Few (2 - 10 %), Ferruginous, , Nodules;
	3.47 - 3.6 m	Light yellowish brown (10YR6/4-Moist); ; Light clay; Firm consistence; Few (2 - 10 %), Ferruginous, , Nodules;
3B	3.7 - 3.8 m	Strong brown (7.5YR5/8-Moist); , 2.5Y64; , 2.5Y62; Heavy clay; Moderately moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, , Nodules;
	3.97 - 4.07 m	Grey (5Y6/1-Moist); , 10YR56; , 2.5Y68; Medium clay; Very weak consistence; 0-2%, medium gravelly, 6-20mm, rounded, Gravel, coarse fragments; Few (2 - 10 %), Ferruginous, , Concretions;
	4.2 - 4.27 m	Grey (5Y6/1-Moist); , 2.5Y62; , 5YR46; Medium clay; Weak consistence; Few (2 - 10 %), Ferruginous, , Concretions;

Morphological Notes

Observation Notes

VEGETATION HAS BEEN CLEARED; WEAK GILGAI IN MICRORELIEF; WILLBINGGIE CLAY LOAM; SEE ORIGINAL FOR MORE DETAIL:

Site Notes

WAGGA

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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 Cmol (+)/kg	Acidity		%

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			%		

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

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Laboratory Analyses Completed for this profile