

Project Name: WAG
Project Code: WAG **Site ID:** C49 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	Beattie, John	Locality:	North side of east-west Rd 1.7km from corner of Road north to Osborne.
Date Desc.:	16/01/57	Elevation:	161 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	570
Northing/Long.:	147	Runoff:	Slow
Easting/Lat.:	-35.25	Drainage:	Well drained

Geology

ExposureType:	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:	Pediplain
Morph. Type:	No Data	Relief:	61 metres
Elem. Type:	No Data	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: Low Strata - , , . *Species includes - Danthonia species
 Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.08 m	Brown (7.5YR5/4-Moist); ; Fine sandy clay loam; Weak grade of structure, 10-20 mm, Platy; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
A12	0.08 - 0.18 m	Yellowish red (5YR5/5-Moist); ; Fine sandy clay loam (Heavy); Weak grade of structure, 10-20 mm, Platy; Weak grade of structure, 50-100 mm, Angular blocky; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
A21	0.2 - 0.3 m	Yellowish red (5YR5/6-Moist); , 7.5YR64; Fine sandy clay loam (Light); Massive grade of structure; Dry; Firm consistence; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B11	0.34 - 0.41 m	Dark red (2.5YR3/5-Moist); , 2.5YR48; , 5YR48; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , Nodules;
B12	0.41 - 0.51 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;
D	0.58 - 0.69 m	Dark red (2.5YR3/6-Moist); Red (2.5YR4/6-Dry); , 10YR54; , 10YR66; Light medium clay; Weak grade of structure, 10-20 mm, Platy; Moderately moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;
	0.83 - 0.91 m	Yellowish red (5YR4/6-Moist); , 2.5YR36; , 5YR58; Light clay (Heavy); Weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;
	0.96 - 1.04 m	Yellowish red (5YR4/6-Moist); , 2.5YR36; , 5YR58; Light clay (Heavy); Weak consistence;
	1.07 - 1.17 m	Dark red (2.5YR3/6-Moist); , 5YR46; , 10YR54; Light medium clay; Weak consistence;
	1.32 - 1.47 m	Dark red (2.5YR3/6-Moist); , 5YR46; , 10YR54; Light medium clay; Weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Tubules;

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|---------------|---|
| 1.62 - 1.7 m | Dark red (2.5YR3/6-Moist); , 5YR46; , 10YR54; Light medium clay; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Tubules; |
| 1.83 - 1.93 m | Dark red (2.5YR3/6-Moist); , 5YR46; Light medium clay; Firm consistence; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Tubules; |
| 2.16 - 2.26 m | Dark red (2.5YR3/6-Moist); , 5YR46; Light medium clay; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Tubules; |

Morphological Notes

Observation Notes

CURRAWA (FINE SANDY) 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	Acidity		
						Cmol (+)/kg			%

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