

Project Name: WAG
Project Code: WAG **Site ID:** C44 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	Locality:	Cnr. of Urangeline & Pleasant Hills & Munyahala Rds:NE. corner of 154 in parish Edgehill:
Date Desc.: //	Elevation:	244 metres
Map Ref.:	Rainfall:	570
Northing/Long.:	Runoff:	Rapid
Easting/Lat.:	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	61 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Mesotrophic Red Dermosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Red earth

No analytical data are available but confidence is fair.

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.08 m	Strong brown (7.5YR4/6-Moist); , 5YR33; Silty clay loam; Weak grade of structure, 100-200 mm, Platy; , Angular blocky; Moderately moist; Weak consistence; 0-2%, Gravel, coarse fragments; Abundant
	0.08 - 0.15 m	Yellowish red (5YR4/6-Moist); , Silty clay loam; 20-50 mm, Platy; 5-10 mm, Angular blocky; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Firm consistence; 0-2%, Gravel, coarse fragments; Abundant
	0.15 - 0.23 m	Yellowish red (5YR4/6-Moist); , Silty clay loam (Heavy); Massive grade of structure; Weak grade of structure, Angular blocky; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Weak consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Many
B1	0.23 - 0.31 m	Yellowish red (5YR5/6-Moist); , 5YR46, 2-10% ; , 2-10% ; Silty light clay; Massive grade of structure; Weak grade of structure, Angular blocky; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; 2-10%, Gravel, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
	0.31 - 0.38 m	Yellowish red (5YR5/8-Moist); , 2.5YR46; , 2.5YR34; Silty light clay; Massive grade of structure; Weak grade of structure, 10-20 mm, Angular blocky; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Weak consistence; 2-10%, Gravel, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Unidentified, , Nodules; Common
B2	0.43 - 0.51 m	Dark red (10R3/6-Moist); , 5YR58; , 10YR58; Silty medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Very weak consistence; Common cutans, 10-50% of ped faces or walls coated; Few (2 - 10 %), Unidentified, , Nodules; Few
	0.58 - 0.66 m	Dark red (2.5YR3/6-Moist); , 10YR58; Medium heavy clay; Strong grade of structure, 2-5 mm, Subangular blocky; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Weak consistence; Slightly plastic; Common cutans, 10-50% of ped faces or walls coated; Very few (0 - 2 %), Argillaceous, Medium (2 -6 mm), Nodules; Few
	0.74 - 0.81 m	Yellowish brown (10YR5/8-Moist); , 10R36; , 10YR48; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Weak consistence; Slightly plastic; 0-2%, Gravel, coarse fragments; Common cutans, 10-50% of ped faces or walls coated; Few (2 - 10 %), Argillaceous, Medium (2 -6 mm), Nodules;

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0.89 - 0.96 m Yellowish brown (10YR5/5-Moist); , 2.5Y68; , 2.5YR68; Medium heavy clay; Moderate grade of structure, 2-5 mm, Angular blocky; Few (<1 per 100mm²) Very fine (0.075-1mm) macropores, Many cutans, >50% of ped faces or walls coated; Very few (0 - 2 %), Unidentified, , Nodules;

Morphological Notes

Observation Notes

>58CM Fe/Mn FLECKS AND COATINGS INCREASING DOWN PROFILE:

Site Notes

MITCHELL

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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