

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW14 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	200 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6122200 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	526725 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Ou	Substrate Material:	Clay

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Pediment
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	No Data
Slope:	3 %	Aspect:	90 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Moderate (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Db2.42
Site Disturbance:	Cultivation. Rainfed	Great Soil Group:	N/A

Vegetation:

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subangular, ; No surface coarse fragments

Profile Morphology

A	0 - 0.08 m	Dark brown (7.5YR3/3-Moist); ; Loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Slightly plastic; Slightly sticky; 0-2%, medium gravelly, 6-20mm, subangular, dispersed, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Very few (0 - 2 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Many, fine (1-2mm) roots; Sharp, Wavy change to -
2A1	0.08 - 0.45 m	Very dark brown (7.5YR2/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Weak consistence; Moderately plastic; Moderately sticky; 0-2%, medium gravelly, 6-20mm, subangular, dispersed, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
2A2	0.45 - 0.65 m	Brown (10YR5/3-Moist); Light grey (10YR7/2-Dry); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Moderately plastic; Moderately sticky; 2-10%, medium gravelly, 6-20mm, subangular, stratified, coarse fragments; Many (20 - 50 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Many (20 - 50 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
2B	0.65 - 1.5 m	Dark yellowish brown (10YR4/4-Moist); Substrate influence, 10-20% , Distinct; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very plastic; Very sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Soft segregations, weak, segregations;Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Very few (0 - 2 %), Calcareous, Very coarse (20 - 60 mm), Nodules; Field pH 8 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A Post-European sediment.

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Nodules in layers 1, 2 & 3 are reworked carbonate in layer 4 is very few & at depth.

Site Notes

S WALL OF GULLY IN FENCE

Observation Notes

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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