

Project Name: YEN
Project Code: YEN **Site ID:** C29 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	P.H. Walker	Locality:	Between railway line and Griffith/Beelbanger Rd:20m south of Rd and 40m west of east cementary boundary:
Date Desc.:	15/12/55	Elevation:	No Data
Map Ref.:		Rainfall:	0
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:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Calcic Red Dermosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Red-brown earth
No analytical data are available but confidence is fair.		

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Reddish brown (5YR5/4-Moist); ; Clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Firm consistence; Diffuse change to -
A12	0.05 - 0.23 m	Yellowish red (5YR4/6-Moist); ; Clay loam (Heavy); Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence;
A2	0.23 - 0.25 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; Slightly plastic; Subplastic;
B1	0.25 - 0.33 m	Weak red (2.5YR4/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Weak grade of structure, 2-5 mm, Angular blocky; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence;
B2	0.33 - 0.38 m	Dark reddish brown (2.5YR3/4-Moist); ; 7.5YR58; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak grade of structure, 2-5 mm, Angular blocky; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; Slightly plastic; Subplastic; 2-10%, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;
B2	0.38 - 0.46 m	Dark reddish brown (2.5YR3/4-Moist); ; 7.5YR58; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
BC	0.46 - 0.66 m	; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Few (2 - 10 %), Calcareous, , Soft segregations;
	0.71 - 0.91 m	Reddish brown (2.5YR4/4-Moist); ; 7.5YR58; , 5YR81; Light clay (Heavy); Very few (0 - 2 %), Calcareous, , Soft segregations;
	1.04 - 1.35 m	Pale brown (10YR6/3-Moist); ; Sandy loam; Firm consistence; Very plastic; Subplastic; , Calcareous, Fine (0 - 2 mm), Concretions;
	1.35 - 1.5 m	Light reddish brown (2.5YR6/4-Moist); ; Sandy loam (Light); Firm consistence; Very plastic; Subplastic;

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1.68 - 2.06 m Grey (2.5YR5/0-Moist); , 2.5YR20, 2-10% ; , 2-10% ; Medium heavy clay; Few (2 - 10 %),
Unidentified, , Concretions; Very few (0 - 2 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

Site Notes

COOPER

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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