

Project Name: YEN
Project Code: YEN **Site ID:** C28 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:		Locality:	V.C. Williams farm lot 279: 20m north of boundary 362: 60m east of shed:
Date Desc.:	09/12/55	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:		Runoff:	No Data
Easting/Lat.:		Drainage:	No Data

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:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	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 Chromosol	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

A	0 - 0.05 m	Dark red (2.5YR3/5-Moist); ; Sandy clay loam; Moderate grade of structure, 20-50 mm, Platy; Dry; Very firm consistence;
A	0.05 - 0.13 m	Dark red (2.5YR3/6-Moist); ; Sandy clay loam; Weak grade of structure, 20-50 mm, Platy; Moderately moist; Very firm consistence; Gradual change to -
	0.18 - 0.3 m	Red (2.5YR5/8-Moist); ; Sandy clay loam; Massive grade of structure; Very firm consistence; Very few (0 - 2 %), Calcareous, , Concretions; Gradual change to -
B	0.3 - 0.38 m	Dark red (2.5YR3/6-Moist); ; Sandy medium clay (Light); Weak grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Gradual change to -
	0.38 - 0.51 m	Dark red (2.5YR3/6-Moist); ; Sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Very weak consistence; Gradual change to -
	0.53 - 0.66 m	Red (2.5YR4/8-Moist); , 5Y52, 0-2% ; , 0-2% ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Very weak consistence; Slightly plastic; Subplastic; Few (2 - 10 %), Calcareous, , Soft segregations;
	0.76 - 0.91 m	Olive brown (2.5Y4/4-Moist); , 5Y52, 0-2% ; , 0-2% ; Light medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Weak grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
	1.02 - 1.17 m	Olive brown (2.5Y4/4-Moist); , 5Y52; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions;
	1.47 - 1.63 m	Red (2.5YR4/8-Moist); ; Light medium clay; 2-5 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;
	1.78 - 1.98 m	Red (2.5YR4/8-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Firm consistence; Very plastic; Subplastic; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Gradual change to -
	2.03 - 2.18 m	Red (2.5YR4/8-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Firm consistence; Very plastic; Subplastic; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Gradual change to -

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2.34 - 2.54 m Reddish yellow (7.5YR6/6-Moist); , 5YR58; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Gradual change to -

Morphological Notes

Observation Notes

53-117CM BLACK STAINING THROUGH PROFILE:

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