

Project Name: YEN  
Project Code: YEN Site ID: C32 Observation ID: 1  
Agency Name: CSIRO Division of Soils (NSW)

#### Site Information

Desc. By: Locality: S.E. corner of 413 between fence and road running S-N between 413 & 412: 20m from junction with W-E road:  
Date Desc.: 15/12/55 Elevation: 127 metres  
Map Ref.: Rainfall: 0  
Northing/Long.: Runoff: Slow  
Easting/Lat.: Drainage: Very poorly drained

#### 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: Level plain <9m <1% Pattern Type: Plain  
Morph. Type: Flat Relief: No Data  
Elem. Type: Plain Slope Category: No Data  
Slope: 0 % Aspect: No Data

#### Surface Soil Condition (dry):

#### Erosion:

#### Soil Classification

Australian Soil Classification: Mapping Unit: N/A  
Mottled Hypocalcic Grey Chromosol Principal Profile Form: N/A  
ASC Confidence: Great Soil Group: Grey clay  
No analytical data and little or no knowledge of this soil.

Site Disturbance: Cultivation. Rainfed

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A	0 - 0.05 m	Very dark brown (10YR2/2-Moist); , 7.5YR32; Fine sandy clay loam; Weak grade of structure, 20-50 mm; Moist; Weak consistence; Wavy change to -
A	0.02 - 0.09 m	Dark brown (7.5YR3/2-Moist); ; Sandy medium clay; Massive grade of structure; Moist; Weak consistence; Slightly plastic; Subplastic;
A	0.09 - 0.15 m	Dark reddish brown (5YR3/3-Moist); , 5YR51, 0-2% ; , 0-2% ; Sandy medium clay; Massive grade of structure; Moist; Weak consistence; Slightly plastic; Subplastic; Wavy change to -
A/B	0.19 - 0.28 m	Dark greyish brown (2.5Y4/2-Moist); , 5YR33, 0-2% ; , 0-2% ; Medium clay; 5-10 mm; Massive grade of structure; Moist; Weak consistence; Slightly plastic; Subplastic;
B	0.34 - 0.48 m	Greyish brown (10YR5/2-Moist); , 5YR33, 0-2% ; , 0-2% ; Medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Weak grade of structure, 2-5 mm; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
B	0.58 - 0.71 m	Brown (7.5YR5/4-Moist); , 10YR52, 0-2% ; , 0-2% ; Medium clay; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions;
	0.74 - 0.86 m	Brown (7.5YR5/4-Moist); , 2.5YR44; Medium clay; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
	1.55 - 1.7 m	Yellowish red (5YR5/6-Moist); , 5YR66; Medium clay; Weak consistence; 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