

Project Name: YEN  
Project Code: YEN Site ID: C25 Observation ID: 1  
Agency Name: CSIRO Division of Soils (NSW)

#### Site Information

Desc. By: D.C. van Dijk Locality: Between main canal and Griffith - Tharbogang  
Railway .8km west of road to Lake Wyangan + 20m  
south of Railway:  
Date Desc.: 08/12/55 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: 0 % 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 and little or no knowledge of this soil.

Site Disturbance: Limited clearing, for example selective logging

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A	0 - 0.08 m	Red (2.5YR4/5-Moist); ; Fine sandy clay loam (Light); Moderate grade of structure, 20-50 mm, Platy; Dry; Very firm consistence; 0-2%, Sandstone, coarse fragments;
A	0.08 - 0.2 m	Red (2.5YR5/6-Moist); ; Light clay (Light); Weak grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 0-2%, Gravel, coarse fragments; Gradual change to -
A/B	0.2 - 0.33 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; 10-20%, Gravel, coarse fragments; Gradual change to -
B	0.36 - 0.48 m	Red (10R4/6-Moist); ; Medium clay; Weak grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Firm consistence; Few (2 - 10 %), Unidentified, Medium (2 - 6 mm); ; Sharp change to -
	0.53 - 0.79 m	Red (10R4/5-Moist); ; 5YR5/6, 2-10% ; , 2-10% ; Coarse sandy medium clay; Massive grade of structure; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Strong consistence; Very plastic; Subplastic;
	0.89 - 1.14 m	Dark yellowish brown (10YR4/5-Moist); ; 10YR5/6; Moderate grade of structure, 50-100 mm, Platy; Strong consistence; Very plastic; Subplastic; ; Calcareous, , Soft segregations; Gradual change to -
	1.52 - 1.75 m	Red (2.5YR4/6-Moist); ; 10YR6/4; Very plastic; Subplastic; Common (10 - 20 %), Calcareous, , Concretions;

#### Morphological Notes

#### Observation Notes

0-8CM GRAVEL Fe INDURATED: 53-114CM AGGREGATES WITH WHITE COATING AND SOME BLACK STAINING:

#### 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