

**Project Name:** YEN  
**Project Code:** YEN      **Site ID:** C27      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

#### Site Information

<b>Desc. By:</b>		<b>Locality:</b>	W. of road Wumbulgal-Yenda near Mirrol Ck:37m N. of Rd. running east between position 114-115:
<b>Date Desc.:</b>	09/12/55	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>		<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>		<b>Drainage:</b>	No Data

#### Geology

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

#### Surface Soil Condition (dry):

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Massive Red Vertosol	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red-brown earth

No analytical data are available but confidence is fair.

#### Site Disturbance:

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

0 - 0.02 m	Pink (7.5YR7/4-Moist); ; 7.5YR82; Fine sandy clay loam (Light); Weak grade of structure, 20-50 mm, Platy; Firm consistence;
0.05 - 0.13 m	Dark reddish brown (5YR3/2-Moist); ; Medium clay (Heavy); Weak grade of structure, 20-50 mm, Platy; Moderate grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Gradual change to -
0.18 - 0.28 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Weak grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Concretions; Gradual change to -
0.33 - 0.46 m	Reddish brown (5YR4/3-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions;
0.51 - 0.66 m	Reddish brown (5YR4/4-Moist); ; Medium clay (Light); Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Concretions; Gradual change to -
0.76 - 0.89 m	Reddish brown (5YR5/4-Moist); ; Medium clay (Light); Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Gradual change to -
0.96 - 1.09 m	Reddish brown (5YR5/4-Moist); ; Medium clay (Light); Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
1.27 - 1.45 m	Brown (7.5YR5/4-Moist); ; Medium clay (Light); Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
1.6 - 1.83 m	Brown (7.5YR5/4-Moist); ; Medium clay (Light); Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
2.44 - 2.67 m	Brown (7.5YR5/4-Moist); ; 10YR63; Medium clay; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Gradual change to -

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3.05 - 3.25 m Pale red (2.5YR6/2-Moist); , 7.5YR56; Medium clay; Very weak consistence; Gradual change to -

3.96 - 4.22 m Pinkish white (5YR8/2-Moist); , 2.5Y86; Light medium clay; Very weak consistence; Gradual change to -

4.32 - 4.62 m Pinkish white (5YR8/2-Moist); , 2.5Y86; Light medium clay; Very weak consistence;

**Morphological Notes**

**Observation Notes**

305-325CM HEAVY Fe STAINING OF FACES OF AGGREGATES:

**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 Cmol (+)/kg	Acidity		%

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