

**Project Name:** WAG  
**Project Code:** WAG      **Site ID:** C41      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

#### Site Information

<b>Desc. By:</b>	E. Bettenay	<b>Locality:</b>	Rail cutting 4.8KM by road north of Junee: Sample sire 183m east of 483km peg:
<b>Date Desc.:</b>	13/12/56	<b>Elevation:</b>	366 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	520
<b>Northing/Long.:</b>		<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>		<b>Drainage:</b>	Well drained

#### Geology

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

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Ridge	<b>Relief:</b>	61 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

#### Surface Soil Condition (dry):

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Hypercalcic Brown Dermosol	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red earth
No analytical data and little or no knowledge of this soil.		

#### Site Disturbance:

#### Vegetation:

Tall Strata - Tree, , . \*Species includes - None Recorded

#### Surface Coarse Fragments:

#### Profile Morphology

B2	0.61 - 0.76 m	Yellowish brown (10YR5/6-Moist); , 10R44; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Weak consistence; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Ferruginous, , Concretions; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Concretions;
B2C	1.52 - 1.68 m	Brownish yellow (10YR6/6-Moist); , 10R44; , 2.5YR46; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Weak consistence; Common cutans, 10-50% of ped faces or walls coated, faint; Very few (0 - 2 %), Ferruginous, , Concretions;
2A	1.83 - 1.78 m	Yellow (10YR7/6-Moist); , 2.5YR36; Silty light clay; Massive grade of structure; Weak grade of structure, Platy; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Common (10 - 20 %), Ferruginous, Medium (2 - 6 mm), Concretions;
2B	2.13 - 2.29 m	Pale olive (5Y6/3-Moist); , 2.5YR44; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Many cutans, >50% of ped faces or walls coated, prominent;
3A	2.54 - 2.59 m	Brownish yellow (10YR6/6-Moist); ; Silty light clay; Massive grade of structure; Weak grade of structure, Platy; Dry; Very firm consistence; Few (2 - 10 %), Ferruginous, , Concretions;
3B	2.69 - 2.84 m	Yellowish brown (10YR5/4-Moist); , 2.5YR36; , 2.5YR46; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Firm consistence; 0-2%, Quartz, coarse fragments; Many cutans, >50% of ped faces or walls coated; Very few (0 - 2 %), Ferruginous, Medium (2 - 6 mm), Concretions;
3BC	4.83 - 4.98 m	Pale red (10R6/4-Moist); , 2.5Y72; Heavy clay; Moderate grade of structure, 20-50 mm, Columnar; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Firm consistence; Many cutans, >50% of ped faces or walls coated;

#### Morphological Notes

#### Observation Notes

>483CM AL GRAVEL IS ATTAPULGITE: 152-168CM CLAY PIPES DOWN ROOT LINES:

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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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile