Handbook of Australian Soils Project Name:

Project Code: HAS Site ID: A1008 Observation ID: 1

Agency Name: CSIRO Division of Soils (NSW)

Site Information

Locality: Desc. By: Date Desc.: C.G. Stephens

Elevation: 30/04/67 No Data Sheet No.: SH56-10 1:250000 Map Ref.: Rainfall: Northing/Long.: 151.3 Runoff: Rapid Easting/Lat.: -30.48333333333333 Drainage: No Data

Geology

ExposureType: 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: Elem. Type: No Data Relief: No Data Hillslope Slope Category: No Data No Data Slope: 0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Acidic Dystrophic Red Kandosol **Principal Profile Form:** N/A **ASC Confidence: Great Soil Group:** Red earth

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, , . *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Loam; , Granular; Very weak consistence; Diffuse change to -
A2	0.1 - 0.25 m	$\label{eq:dish_brown} Dark reddish brown (5YR3/3-Moist); ; Loam; , Granular; Very weak consistence; Diffuse change to -$
B1	0.25 - 0.5 m	Dark reddish brown (5YR3/4-Moist); ; Medium clay; Massive grade of structure; Very weak consistence; Diffuse change to -
B2	0.5 - 0.83 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Massive grade of structure; Very weak consistence; Diffuse change to -
С	0.83 - 1.37 m	Brown (7.5YR4/4-Moist); ; Medium clay; Massive grade of structure; Very weak consistence; Slightly plastic;

Morphological Notes

Observation Notes

Site Notes

ARMIDALE

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Laboratory Test Results:

Depth	рН	1:5 EC		nangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	EC	CEC	ESP
m		dS/m	Ca i	vig	K	Cmol (+					%
0 - 0.1	4.8J 5.4H	0.011C	1.9K	1	0.72	0.05					
0.1 - 0.25	4.2J 5.2H	0.007C									
0.25 - 0.5	4.2J 5.2H	0.007C	0K	0.4	0.42	0.04					
0.5 - 0.83	4.3J 5.2H	0.007C									
0.83 - 1.37	4.2J 5.4H	0.006C	0.6K	0.6	0.43	0.05					
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV		ize Analys S Silt	is Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	•
0 - 0.1 0.1 - 0.25 0.25 - 0.5 0.5 - 0.83 0.83 - 1.37			13C 7C 8C		0.0	-		6 24 25 18 26	39C 37C 38C 36C 40C	19 10 22 14 19 16 21 16 22 18	4 25 6 27 6 24
Depth	COLE	COLE Gravimetric/Volumetric Water Contents K sat K unsat									at
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar g - m3/m	1 Bar 3	5 Bar 15	Bar	mm/h	mm/i	h

0 - 0.1 0.1 - 0.25 0.25 - 0.5 0.5 - 0.83 0.83 - 1.37

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Laboratory Analyses Completed for this profile

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded 15_NR_CA 15_NR_K Exch. basic cations (K++) - meq per 100g of soil - Not recorded 15_NR_MG 15_NR_NA Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

2_LOI Loss on Ignition (%) 2A1 3A_TSS Air-dry moisture content

Electrical conductivity or soluble salts - Total soluble salts %

pH of soil - Not recorded 4_NR

4B_C_2.5 pH of soil - pH of 1:2.5 Soil/0.1M CaCl2 suspension Water soluble Chloride - Cl(%) - Not recordede 5_NR

7_NR 9_NR Total nitrogen (%) - Not recorded Available P (mg/kg) - Not recorded

P10_GRAV Gravel (%)

P10_NR_C Clay (%) - Not recorded Coarse sand (%) - Not recorded Fine sand (%) - Not recorded P10_NR_CS P10_NR_FS P10_NR_Z Silt (%) - Not recorded