Handbook of Australian Soils Project Name:

Project Code: Site ID: A1006 Observation ID: 1 HAS

Agency Name: CSIRO Division of Soils (NSW)

Site Information

C.G. Stephens Locality:

Desc. By: Date Desc.: Elevation: 25/04/67 No Data Sheet No.: SI56-9 1:250000 Map Ref.: Rainfall: Northing/Long.: 150.78194444444 Runoff: Rapid -34.64444444445 Easting/Lat.: Drainage: No Data

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data **Substrate Material:** No Data Geol. Ref.: No Data

Land Form

Rel/Slope Class: No Data Pattern Type: No Data Morph. Type: No Data Relief: No Data Elem. Type: Landslide Slope Category: No Data No Data Slope: 0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Mottled Mesotrophic Red Kurosol **Principal Profile Form:** N/A **ASC Confidence: Great Soil Group:** Red earth

All necessary analytical data are available. Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m Dark reddish brown (5YR3/3-Moist); ; Loam; , Granular; Very weak consistence; Diffuse change AB 0.1 - 0.3 m Reddish brown (5YR4/4-Moist); ; Clay loam; , Angular blocky; , Granular; Very weak consistence; 2-10%, Gravel, coarse fragments; Diffuse change to Red (2.5YR4/6-Moist); ; Clay loam; , Angular blocky; Very weak consistence; 2-10%, Gravel, В 0.3 - 0.66 m coarse fragments; Diffuse change to -

Reddish brown (5YR4/4-Moist); , 2.5YR46; Medium clay; Very weak consistence; 10-20%, stony, 0.66 - 1.14 m

200-600mm, Gravel, coarse fragments; Diffuse change to -

Morphological Notes

Observation Notes

Site Notes

STH COAST NSW

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Laboratory Test Results:

Depth	рН	1:5 EC	E) a	changeable Mg	Cations K	Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m	_	9		Cmol (+)/kg			%
0 - 0.1	4.6J 5.7H	0.011C	0.9K	0.5	0.2	0.09			
0.1 - 0.3	4.6J 5.6H	0.007C	0.3K	0.6	0.14	0.06			
0.3 - 0.66	4.1J 5.4H	0.009C	0.4K	2.3	0.3	0.09			
0.66 - 1.14	3.9J 5H	0.012C							

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk				Analysi	
m	%	C %	P mg/kg	P %	N %	К %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1			4C		0.11B			2	46C	21	12	24
0.1 - 0.3			3C		0.057E	3		4	36C	28	10	25
0.3 - 0.66			2C		0.031E	3		2	24C	16	12	47
0.66 - 1.14			1.2C		0.021E	3		0	6C	11	18	64

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

0 - 0.1 0.1 - 0.3 0.3 - 0.66 0.66 - 1.14

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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