

Project Name: Regional
Project Code: REG **Site ID:** TL67 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Webb, Ian	Locality:	
Date Desc.:	27/10/83	Elevation:	No Data
Map Ref.:	Sheet No. : 8063 1:100000	Rainfall:	0
Northing/Long.:	8120900 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	376300 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	, Metamorphic rock (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	42 %	Aspect:	90 degrees

Surface Soil Condition (dry): N/A

Erosion: Partial, Moderate (sheet)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn3.71
Site Disturbance:	No effective disturbance. Natural	Great Soil Group:	Xanthozem

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Strong brown (7.5YR5/8-Moist); ; Silty clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; 2-10%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; AbundantClear, Smooth change to -
0.1 - 0.2 m	Strong brown (7.5YR5/8-Moist); ; Silty clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; 2-10%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; ManyClear, Smooth change to -
0.2 - 0.4 m	Yellowish red (5YR5/8-Moist); ; Silty clay loam; Weak grade of structure, 20-50 mm, Angular blocky; 2-10%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; CommonGradual, Smooth change to -
0.4 - 0.9 m	Reddish yellow (5YR6/8-Moist); ; 7.5YR56, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Light medium clay; Weak grade of structure, 20-50 mm, Angular blocky; 2-10%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; CommonGradual, Smooth change to -
0.9 - 1.2 m	Reddish yellow (5YR6/8-Moist); ; 7.5YR56, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Light medium clay; Weak grade of structure, 20-50 mm, Angular blocky; 2-10%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; FewDiffuse, Smooth change to -
1.2 - 1.8 m	Reddish yellow (5YR6/8-Moist); ; 7.5YR56, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; 0-2%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; Few
1.8 - 2.1 m	;
2.1 - 2.4 m	;

Morphological Notes

Observation Notes

WAS ORIGINALLY EP9:M3628-M3637:

Site Notes

Lake Tinaroo

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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		%	
0 - 0.1			0.13H	0.18	0.24	0.11	0F 1.89B 0.35H	1.7J	2.9B	6.47
0.1 - 0.2	3.8D 4.4A 3.8I		0.06H	0.13	0.22	0.09	2.24F 1.54B 0.7H	1.3J	2.74B	6.92
0.2 - 0.3	4D 4.3A 4I		0.03H	0.1	0.19	0.1	2.24F 1.26B 0.5H	1J	2.18B	10.00
0.3 - 0.6	4D 4.4A 4.2I		0.03H	0.07	0.35	0.99	1.76F 1.3B 0.41H	1J	3.15B	99.00
0.6 - 0.9	4D 4.4A 4.2I		0.03H	0.08	0.23	0.09	1.71F 1.36B 0.3H	0.9J	2.09B	10.00
0.9 - 1.2	4D 4.6A 4.2I		0.01H	0.15	0.12	0.09	1.66F 1.84B 0.6H	2.1J	2.81B	4.29
1.2 - 1.8	3.9D 4.7A 4.2I		0.01H	0.29	0.1	0.09	2.44F 3.48B 1.08H	2.7J	5.05B	3.33
1.8 - 2.1	3.8D 4.5A 4.1I		0.03H	0.08	0.18	0.08	4.56F 1.02B 0.31H	1J	1.7B	8.00
2.1 - 2.4	4.1D 4.6A 4.2I		0.03H	0.07	0.12	0.07	1.33F 1.09B 0.25H			

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0.9 - 1.2
1.2 - 1.8
1.8 - 2.1
2.1 - 2.4

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Laboratory Analyses Completed for this profile

15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C	Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
4A_C_2.5	pH of soil - pH of 1:2.5 soil/water suspension
4A1	pH of 1:5 soil/water suspension
4C1	pH of 1:5 soil/1M potassium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
P3A_NR	Bulk density - Not recorded