

Project Name: Regional
Project Code: REG **Site ID:** TL63 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Webb, Ian	Locality:	
Date Desc.:	17/06/83	Elevation:	No Data
Map Ref.:	Sheet No. : 8655 1:100000	Rainfall:	0
Northing/Long.:	148.541666666667	Runoff:	No runoff
Easting/Lat.:	-21.25	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry): N/A

Erosion: Stable, Minor (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn3.14
		Great Soil Group:	Krasnozern

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Brown (7.5YR4/2-Moist); ; Sandy clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Weak consistence; AbundantAbrupt, Smooth change to -
0.1 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Weak consistence; ManyClear, Wavy change to -
0.2 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Very weak consistence; ManyClear, Wavy change to -
0.3 - 0.7 m	Reddish brown (2.5YR4/4-Moist); ; Clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Firm consistence; 0-2%, stony, 200-600mm, subangular, dispersed, Igneous rock (unidentified), coarse fragments; Few cutans, <10% of ped faces or walls coated; CommonClear, Wavy change to -
0.7 - 0.9 m	Reddish brown (5YR4/4-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Firm consistence; Few cutans, <10% of ped faces or walls coated; FewGradual, Wavy change to -
0.9 - 1.5 m	Brown (7.5YR5/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Very firm consistence; Few cutans, <10% of ped faces or walls coated; FewGradual change to -
1.5 - 1.8 m	Brown (7.5YR5/4-Moist); ; Light medium clay;
1.8 - 2.1 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay;

Morphological Notes

Observation Notes

WAS ORIGINALLY EP37:

Site Notes

Eungella

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.05	4.6D 5A 4.9I		10.5H	3.66	0.67	0.13	0F 0.1B	12.8J	14.9B	1.02
0.05 - 0.1	4.6D 5A 4.9I		8.02H	2.5	0.39	0.12	0.25B	9.4J	11B	1.28
0.1 - 0.2	4.6D 4.9A 4.9I		5.37H	1.67	0.2	0.11	0.26F 0.26B	8J	7.61B	1.38
0.2 - 0.3	4.6D 4.7A 4.8I		2.77H	0.97	0.11	0.09	0.16B 0H	5.1J	3.94B	1.76
0.3 - 0.6	4.4D 4.2A 4.5I		0.86H	0.65	0.08	0.06	0.33F 0.33B	3.3J	1.98B	1.82
0.6 - 0.7	4.1D 4A 4.2I		0.56H	0.61	0.09	0.03	0.72F 0.77B 0.04H	3.3J	2.1B	0.91
0.7 - 0.9	4D 3.8A		0.43H	0.67	0.1	0.03	1.33F 1.22B 0.11H	3.2J	2.56B	0.94
0.9 - 1.2	3.8D 3.7A 4I		0.09H	0.45	0.04	0.04	2.33F 2.11B 0.22H	3.1J	2.95B	1.29
1.2 - 1.5	3.8D 3.6A 3.9I		0.05H	0.38	0.02	0.03	2.6F 2.32B 0.28H	2.5J	3.08B	1.20
1.5 - 1.8	4D 3.6A 3.9I		0.07H	0.28	0.03	0.03	2.44F 2.07B 0.37H	2.4J	2.85B	1.25
1.8 - 2.1	4D 3.6A 3.8I		0.03H	0.23	0.03	0.04	2.93F 2.53B 0.4H	2.5J	3.26B	1.60

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		8.02D							5A	18	37	60
0.05 - 0.1		6.86D							6A	35	24	35
0.1 - 0.2		4.87D							6A	45	20	28
0.2 - 0.3		2.81D							5A	41	19	35
0.3 - 0.6		0.87D							2A	11	25	62
0.6 - 0.7		0.93D							3A	6	22	69
0.7 - 0.9		0.68D					1.10		2A	6	23	69
0.9 - 1.2		0.52D							2A	4	27	67
1.2 - 1.5		0.36D							1A	4	29	66
1.5 - 1.8		0.18D							3A	5	34	58
1.8 - 2.1		0.15D							2A	8	32	58

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		

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m	g/g - m3/m3	mm/h	mm/h
0 - 0.05			
0.05 - 0.1			
0.1 - 0.2			
0.2 - 0.3			
0.3 - 0.6			
0.6 - 0.7			
0.7 - 0.9			
0.9 - 1.2			
1.2 - 1.5			
1.5 - 1.8			
1.8 - 2.1			

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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
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS	Fine sand (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method
P3A_NR	Bulk density - Not recorded