

Project Name: Regional
Project Code: REG **Site ID:** TL68 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Webb, Ian	Locality:	
Date Desc.:	20/10/83	Elevation:	No Data
Map Ref.:	Sheet No. : 8063 1:100000	Rainfall:	0
Northing/Long.:	145.580555555556	Runoff:	Rapid
Easting/Lat.:	-17.088888888889	Drainage:	Well drained

Geology

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

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:	0 %	Aspect:	180 degrees

Surface Soil Condition (dry): N/A

Erosion: Partial, Minor (sheet)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn3.14
Site Disturbance:	No effective disturbance. Natural	Great Soil Group:	Red podzolic soil

Vegetation:

Tall Strata - Tree, >35.01m, . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Dark brown (7.5YR3/4-Moist); ; Loam; Strong grade of structure, 5-10 mm, Subangular blocky; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; AbundantAbrupt, Smooth change to -
0.05 - 0.08 m	Strong brown (7.5YR5/8-Moist); ; 7.5YR54, 20-50% , 15-30mm, Distinct; , 20-50% , 15-30mm, Distinct; Strong grade of structure, 5-10 mm, Subangular blocky; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; AbundantAbrupt, Smooth change to -
0.08 - 0.3 m	Reddish yellow (7.5YR6/8-Moist); , 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; ManyGradual, Wavy change to -
0.3 - 0.6 m	Yellowish red (5YR5/8-Moist); ; Sandy light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Common
0.6 - 0.9 m	Yellowish red (5YR5/8-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; FewDiffuse, Irregular change to -
0.9 - 1.5 m	Red (2.5YR4/8-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few
1.5 - 1.8 m	;
1.8 - 2.1 m	;
2.1 - 2.4 m	;

Morphological Notes

Observation Notes

WAS ORIGINALLY EP3: MINOR SHEET EROSION HELD BY TREE ROOTS:M3389-M3399:

Site Notes

Project Name: Regional
Project Code: REG **Site ID:** TL68 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Mt Haig

Project Name: Regional
Project Code: REG Site ID: TL68 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

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 - 0.05	4D 4.4A 4I		0.3H	1.33	0.49	0.27	2.88F 2.64B 0.24H	6.8J	5.27B	3.97
0.05 - 0.1	4D 4.6A 4I		0.1H	0.38	0.13	0.17	2.56F 2.56B 0H	4.1J	3.34B	4.15
0.1 - 0.2	4.1D 4.6A 4I		0.07H	0.31	0.18	0.12	2.04F 2.04B 0H	2.6J	2.72B	4.62
0.2 - 0.3	4.2D 4.6A 4.1I		0.07H	0.37	0.12	0.14	1.92F 1.92B	3.2J	2.62B	4.38
0.3 - 0.6	4.2D 4.7A 4.2I		0.05H	0.34	0.06	0.11	1.44F 1.44B 0H	2.4J	2B	4.58
0.6 - 0.9	4.2D 4.6A 4.2I		0.01H	0.21	0.07	0.09	1.88F 1.84B 0.04H	3.2J	2.26B	2.81
0.9 - 1.2	4.2D		0.05H	0.15	0.07	0.09	2.03F 2B		2.39B	
1.2 - 1.5	4.2D		0.03H	0.14	0.05	0.1	0.03H 2.08F 1.96B 0.12H		2.4B	
1.5 - 1.8	4.2D		0.03H	0.14	0.08	0.09	2.69F 2.64B 0.05H		3.03B	
1.8 - 2.1	4.2D		0.01H	0.13	0.08	0.09	1.8B 0H			
2.1 - 2.4	4.2D		0.01H	0.11	0.06	0.11	1.96B 0.16H			

[illegible]

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

Project Name: Regional
Project Code: REG **Site ID:** TL68 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

0 - 0.05
0.05 - 0.1
0.1 - 0.2
0.2 - 0.3
0.3 - 0.6
0.6 - 0.9
0.9 - 1.2
1.2 - 1.5
1.5 - 1.8
1.8 - 2.1
2.1 - 2.4

Project Name: Regional
Project Code: REG **Site ID:** TL68 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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