

Project Name: Regional
Project Code: REG **Site ID:** TL54 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Webb, Ian	Locality:	
Date Desc.:	17/10/83	Elevation:	No Data
Map Ref.:	Sheet No. : 8063 1:100000	Rainfall:	0
Northing/Long.:	145.584444444444	Runoff:	No runoff
Easting/Lat.:	-17.147222222222	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:	Upper-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	23 %	Aspect:	No Data

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:	Um6.3
		Great Soil Group:	Earthy sand

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, 20.01-35m, - *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Light brownish grey (10YR6/2-Moist); ; Sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Fine, (0 - 5) mm crack; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; AbundantAbrupt, Smooth change to -
0.1 - 0.2 m	Pale brown (10YR6/3-Moist); ; Coarse sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Fine, (0 - 5) mm crack; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; ManyAbrupt, Wavy change to -
0.2 - 0.3 m	Pale brown (10YR6/3-Moist); ; Coarse sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Fine, (0 - 5) mm crack; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; CommonClear, Irregular change to -
0.3 - 0.6 m	Very pale brown (10YR7/3-Moist); ; Coarse sandy loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Fine, (0 - 5) mm crack; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, stratified, Igneous rock (unidentified), coarse fragments; FewClear, Irregular change to -
0.6 - 1.3 m	Very pale brown (10YR8/3-Moist); ; Loamy coarse sand; Massive grade of structure; Fine, (0 - 5) mm crack; Strong consistence; 10-20%, medium gravelly, 6-20mm, angular, undisturbed, Igneous rock (unidentified), coarse fragments; Few

Morphological Notes

Observation Notes

WAS ORIGINALLY EP2:M3370-M3375

Site Notes

Downfall Creek

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Laboratory Test Results:

Depth m	pH	1:5 EC	Ca	Exchangeable Cations		Na Cmol	Exchangeable	CEC	ECEC	ESP %
		dS/m		Mg	K		Acidity (+)/kg			
0 - 0.1	5A 4.8I		7.6H	1.53	0.39	0.16	0.37F 0.08B 0.29H	9.3J	10.05B	1.72
0.1 - 0.2	5.2A 4.7I		3.2H	0.82	0.36	0.14	0.38F 0.17B 0.21H	4.8J	4.9B	2.92
0.2 - 0.3	5.2A 4.6I		2.2H	0.72	0.29	0.12	0.68F 0.45B 0.23H	3.6J	1.01B	3.33
0.3 - 0.6										
0.6 - 0.9	5.1A 4.2I		0.19H	0.55	0.67	0.25	2.3F 2.14B 0.16H	2.8J	3.96B	8.93
0.9 - 1.2	5.2A 4.2I		0.24H	0.63	0.36	0.32	2.18F 1.97B 0.21H	2.5J	3.73B	12.80

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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
P3A_NR	Bulk density - Not recorded