

Project Name: Regional
Project Code: REG **Site ID:** TL59 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Webb, Ian	Locality:	
Date Desc.:	//	Elevation:	1100 metres
Map Ref.:	Sheet No. : 7964 1:100000	Rainfall:	0
Northing/Long.:	145.266666666667	Runoff:	Moderately rapid
Easting/Lat.:	-16.5	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:	18 %	Aspect:	300 degrees

Surface Soil Condition (dry): N/A

Erosion: Stable,

Soil Classification

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Very weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, undisturbed, Quartz, coarse fragments; AbundantAbrupt, Smooth change to -
0.05 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Very weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, undisturbed, Quartz, coarse fragments; AbundantClear, Smooth change to -
0.1 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); ; Coarse sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, undisturbed, Quartz, coarse fragments; ManyGradual, Wavy change to -
0.3 - 0.6 m	Strong brown (7.5YR5/6-Moist); ; Coarse sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, undisturbed, Quartz, coarse fragments; CommonDiffuse, Irregular change to -
0.6 - 0.9 m	Strong brown (7.5YR5/6-Moist); ; Clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, undisturbed, Quartz, coarse fragments; FewDiffuse, Irregular change to -
0.9 - 1.2 m	; Clay loam; Moderate grade of structure; Smooth-ped fabric; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, undisturbed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated; Few (2 - 10 %), Ferruginous, Very coarse (20 - 60 mm), Soft segregations; FewDiffuse, Irregular change to -
1.2 - 1.5 m	; Clay loam; Moderate grade of structure; Smooth-ped fabric; Very strong consistence; 20-50%, medium gravelly, 6-20mm, angular, undisturbed, Granite, coarse fragments; Few cutans, <10% of ped faces or walls coated; , Discontinuous; Few

Morphological Notes

Observation Notes

WAS ORIGINALLY EP18:M3601-M3609:

Site Notes

Mt. Lewis

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[illegible]

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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