

Project Name: Regional
Project Code: REG **Site ID:** TL58 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Webb, Ian	Locality:	
Date Desc.:	16/11/84	Elevation:	980 metres
Map Ref.:	Sheet No. : 7965 1:100000	Rainfall:	0
Northing/Long.:	145.066666666667	Runoff:	Moderately rapid
Easting/Lat.:	-16.266666666667	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:	11 %	Aspect:	150 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
		Great Soil Group:	Red podzolic soil

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Brown (7.5YR4/4-Moist); ; Sandy light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Rough-ped fabric; Weak consistence; 20-50%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; AbundantSharp, Smooth change to -
0.05 - 0.1 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Rough-ped fabric; Weak consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; ManyAbrupt, Smooth change to -
0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; CommonClear, Wavy change to -
0.2 - 0.3 m	Red (2.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; CommonGradual, Wavy change to -
0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated; FewDiffuse, Wavy change to -
0.6 - 0.9 m	Red (2.5YR4/6-Moist); ; Sandy medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated; Few
0.9 - 1.2 m	Red (2.5YR4/6-Moist); ; Sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments;
1.2 - 1.5 m	Red (10R4/6-Moist); ; Sandy medium clay; Smooth-ped fabric; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Soft segregations;
1.5 - 1.8 m	Red (10R4/6-Moist); ; Sandy medium clay; Smooth-ped fabric; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments;

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Observation Notes

WAS ORIGINALLY EP30:

Site Notes

MT WINDSOR

Morphological Notes

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[illegible]

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1.2 - 1.5
1.5 - 1.8

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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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
P3A_NR	Bulk density - Not recorded