

Project Name: YAL
Project Code: YAL **Site ID:** P554 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	M.J. Mulcahy	Locality:	5.2KM south east of Bakers Hill P.O.:
Date Desc.:	17/11/66	Elevation:	32 metres
Map Ref.:	Sheet No. : 2134 1:100000	Rainfall:	460
Northing/Long.:	116.483333333333	Runoff:	Rapid
Easting/Lat.:	-31.783333333333	Drainage:	Poorly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Pediment	Slope Category:	Moderately inclined
Slope:	15.8 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Magnesic-Natric Brown Kurosol		Principal Profile Form:	Dy5.51
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, , Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, , angular, Substrate material

Profile Morphology

0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); ; Clay loam (Light); Massive grade of structure; Loose consistence; 50-90%, coarse gravelly, 20-60mm, angular, Substrate material, coarse fragments; Abrupt, Irregular change to -
0.05 - 0.1 m	Brown (7.5YR5/4-Moist); , 10YR76; , 7.5YR58; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Few, very fine (0-1mm) roots; Diffuse change to -
0.1 - 0.2 m	Strong brown (7.5YR5/6-Moist); Pink (7.5YR7/4-Dry); ; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Diffuse change to -
0.2 - 0.3 m	Yellowish red (5YR5/6-Moist); Reddish yellow (5YR6/6-Dry); , 10YR66; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Diffuse change to -
0.3 - 0.6 m	Reddish yellow (5YR6/6-Moist); , 7.5YR68; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Diffuse change to -
0.6 - 0.9 m	Yellowish red (5YR5/6-Moist); , 10YR86; , 10YR83; Clay loam; Massive grade of structure; Weak consistence; Gradual change to -
0.9 - 1.2 m	Yellowish red (5YR5/6-Moist); , 10YR86; , 10YR83; Clay loam; Massive grade of structure; Very weak consistence;

Morphological Notes

Observation Notes

90-120CM SOME ZONES OF HARD LESS WEATHERED GRANITE: LAYERS RE NUMBERED15/10/92

Site Notes

AVON L.S.2/80

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7_NR	Total nitrogen (%) - Not recorded
9B_9C	Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO3 extractable
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance