

Project Name: SOU
Project Code: SOU **Site ID:** P734 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	W.M. MacArthur	Locality:	South-West Highway 0.4KM east of Tinglewood Drive:
Date Desc.:	02/11/82	Elevation:	No Data
Map Ref.:	Sheet No. : 2228 1:100000	Rainfall:	0
Northing/Long.:	116.666666666667	Runoff:	No Data
Easting/Lat.:	-34.983333333333	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Mesotrophic Brown Dermosol		Principal Profile Form:	Gn4.15
ASC Confidence:		Great Soil Group:	Yellow earth
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation: Low Strata - , , Closed or dense. *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Loam; ; FragmentLoose consistence; 2-10%, Substrate material, coarse fragments;
0.05 - 0.1 m	Brown (7.5YR4/2-Moist); ; Clay loam; ; FragmentLoose consistence; 2-10%, Substrate material, coarse fragments;
0.1 - 0.15 m	Brown (7.5YR4/3-Moist); ; Clay loam; Weak grade of structure, Subangular blocky; Very weak consistence; 2-10%, Substrate material, coarse fragments;
0.15 - 0.2 m	Brown (7.5YR4/4-Moist); ; Light clay; Weak grade of structure, Subangular blocky; Very firm consistence; 2-10%, Substrate material, coarse fragments;
0.2 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Light clay; Weak grade of structure, Subangular blocky; Very firm consistence; 2-10%, Substrate material, coarse fragments;
0.3 - 0.5 m	Yellowish red (5YR5/6-Moist); , 5YR44; Light clay; Weak grade of structure, Subangular blocky; Very firm consistence; 2-10%, Substrate material, coarse fragments;
0.5 - 0.7 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Weak grade of structure, Subangular blocky; Very firm consistence; 2-10%, Substrate material, coarse fragments;
0.7 - 0.9 m	Strong brown (7.5YR5/6-Moist); , 10YR88; Medium clay; , Angular blocky; Very firm consistence; 2-10%, Granite, coarse fragments;
0.9 - 1.1 m	Strong brown (7.5YR5/6-Moist); , 10YR88; Medium clay; , Angular blocky; Very firm consistence; 10-20%, Granite, coarse fragments;

Morphological Notes

Observation Notes

10-20CM QZ GRAVEL ALSO:70-110CM QZ GRAVEL ALSO:0-70CM GRAVELS FERRUGINISED:

Site Notes

Observation ID: 1

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	6.2A	0.012A	7.1K	1.54	0.27	0.23			
0.05 - 0.1	6.3A	0.009A	5.4K	1.25	0.22	0.2			
0.15 - 0.2	6.5A	0.006A	3.41K	0.51	0.17	0.14			
0.3 - 0.5	6.6A	0.003A							
0.7 - 0.9	6.9A	0.003A	1.64K	0.18	0.15	0.12			

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		6.7D							46D	27	13	6
0.05 - 0.1												
0.15 - 0.2									39D	28	16	8
0.3 - 0.5												
0.7 - 0.9									31D	23	13	37

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
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
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