

Project Name: SOU
Project Code: SOU **Site ID:** P729 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Clark Road 3KM east of North Walpole Road:
Date Desc.:	02/11/82	Elevation:	No Data
Map Ref.:	Sheet No. : 2228 1:100000	Rainfall:	0
Northing/Long.:	116.75	Runoff:	No Data
Easting/Lat.:	-34.95	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:	Hillslope	Slope Category:	Moderately inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Ferric Dystrophic Brown Chromosol		Principal Profile Form:	Dy4.61
ASC Confidence:		Great Soil Group:	N/A

No analytical data are available but confidence is fair.

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Single grain grade of structure; Very weak consistence; 0-2%, Substrate material, coarse fragments;
0.05 - 0.1 m	Strong brown (7.5YR4/8-Moist); ; Loamy sand; Single grain grade of structure; Very weak consistence; 0-2%, Substrate material, coarse fragments;
0.1 - 0.2 m	Yellowish red (5YR5/6-Moist); ; Loamy sand; Single grain grade of structure; Very weak consistence; 0-2%, Substrate material, coarse fragments;
0.3 - 0.4 m	Yellowish red (5YR5/6-Moist); ; Loamy sand; Single grain grade of structure; Very weak consistence; 2-10%, Substrate material, coarse fragments;
0.5 - 0.6 m	Yellowish red (5YR5/8-Moist); ; Loamy sand; Single grain grade of structure; Very weak consistence; 20-50%, Substrate material, coarse fragments;
0.7 - 0.8 m	Strong brown (7.5YR5/8-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Weak consistence; 2-10%, subangular platy, Gravel, coarse fragments;
0.9 - 1 m	Strong brown (7.5YR5/8-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Weak consistence; 0-2%, subangular platy, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

0-100CM GRAVELS FERRUGINISED:

Site Notes

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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	6.5A	0.009A	3.13K	2.06	0.27	0.27			
0.05 - 0.1	6.6A	0.006A							
0.3 - 0.4	6.9A	0.003A	1.02K	0.55	0.17	0.14			
0.7 - 0.8	6.4A	0.006A							
0.9 - 1	6.1A	0.006A	0.9K	0.62	0.25	0.22			

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		3.8D							44D	43	3	4
0.05 - 0.1												
0.3 - 0.4												
0.7 - 0.8												
0.9 - 1									16D	10	16	60

[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