

Project Name: SOU
Project Code: SOU **Site ID:** P720 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Bevan Road approx. 500M east of South-West Highway:
Date Desc.:	01/11/82	Elevation:	No Data
Map Ref.:	Sheet No. : 2128 1:100000	Rainfall:	0
Northing/Long.:	116.433333333333	Runoff:	Rapid
Easting/Lat.:	-34.583333333334	Drainage:	No Data

Geology

Exposure Type:	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:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	26.8 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Dystrophic Brown Dermosol	Principal Profile Form:	Gn2.61
ASC Confidence:	Great Soil Group:	Yellow earth
All necessary analytical data are available.		

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Reddish yellow (7.5YR6/6-Moist); ; Fine sandy loam; Moderate grade of structure, <2 mm, Subangular blocky; Weak consistence; 0-2%, Substrate material, coarse fragments;
0.05 - 0.1 m	Reddish yellow (7.5YR6/6-Moist); ; Fine sandy loam (Heavy); Moderate grade of structure, <2 mm, Subangular blocky; Weak consistence; 10-20%, Substrate material, coarse fragments;
0.1 - 0.15 m	Reddish yellow (7.5YR6/6-Moist); ; Fine sandy clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Weak consistence; 10-20%, Substrate material, coarse fragments;
0.15 - 0.2 m	Strong brown (7.5YR5/8-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Angular blocky; Weak consistence; 2-10%, Substrate material, coarse fragments;
0.2 - 0.3 m	Strong brown (7.5YR5/8-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; 2-10%, Substrate material, coarse fragments;
0.3 - 0.4 m	Strong brown (7.5YR5/8-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; 0-2%, Substrate material, coarse fragments;
0.5 - 0.6 m	Strong brown (7.5YR5/8-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence;
0.6 - 0.7 m	Strong brown (7.5YR5/8-Moist); , 2.5YR48; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence;
0.8 - 0.9 m	Reddish yellow (7.5YR6/8-Moist); , 2.5YR48; , 5YR46; Silty light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence;
0.9 - 1 m	Brownish yellow (10YR6/8-Moist); , 10YR81; , 2.5YR48; Sandy clay loam (Heavy); Weak grade of structure, 10-20 mm, Angular blocky; Weak consistence;

Morphological Notes

Observation Notes

0-40CM GRAVELS FERRUGINISED:

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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	6.6A	0.006A	3.64K	0.96	0.23	0.08			
0.05 - 0.1	6.5A	0.006A							
0.15 - 0.2	6.3A	0.003A	1.34K	0.84	0.25	0.13			
0.2 - 0.3	5.9A	0.003A	0.44K	0.6	0.29	0.14			
0.5 - 0.6	6A	0.003A							
0.9 - 1	6A	0.003A	0.4K	0.49	0.12	0.07			

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		4D							20D	56	12	8
0.05 - 0.1												
0.15 - 0.2												
0.2 - 0.3									23D	30	16	31
0.5 - 0.6												
0.9 - 1									28D	37	23	15

[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