

**Project Name:** SOU  
**Project Code:** SOU      **Site ID:** P748      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	H.M. Churchwood	<b>Locality:</b>	Sidcup Road (west side) 2.0KM north of Muir Highway: between farm house and hay shed:
<b>Date Desc.:</b>	04/11/82	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 2328    1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	117.3	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-34.5666666666667	<b>Drainage:</b>	No Data

**Geology**

<b>Exposure Type:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

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

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Magnesian Mottled-Subnatric Yellow Sodosol	<b>Principal Profile Form:</b>	Dy3.61
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	N/A

Analytical data are incomplete but reasonable confidence.

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:**

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

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.05 m	Greyish brown (10YR5/2-Moist); ; Loamy sand; Single grain grade of structure; Very weak consistence; 20-50%, Substrate material, coarse fragments;
0.05 - 0.1 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam (Light); Massive grade of structure; Very weak consistence; 20-50%, Substrate material, coarse fragments;
0.1 - 0.2 m	Yellowish brown (10YR5/6-Moist); ; Sandy loam; Massive grade of structure; Very weak consistence; 50-90%, Substrate material, coarse fragments;
0.3 - 0.4 m	Yellowish brown (10YR5/8-Moist); , 10YR63; Sandy light clay; Massive grade of structure; Weak consistence; 20-50%, Substrate material, coarse fragments;
0.5 - 0.6 m	Brownish yellow (10YR6/8-Moist); , 10YR63; Sandy light clay; Massive grade of structure; Weak consistence;

**Morphological Notes**

**Observation Notes**

0-40CM GRAVELS FERRUGINISED:>60CM VERY DRY AND COMPACT:

**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	6.6A	0.006A	2.5K	1.15	0.38	0.34			
0.05 - 0.1	6.6A	0.003A							
0.1 - 0.2	6.5A	0.003A	0.91K	0.83	0.18	0.16			
0.3 - 0.4	6.4A	0.003A							
0.5 - 0.6	6A	0.006A	0.11K	1.13	0.13	0.21			

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		4.7D										
0.05 - 0.1												
0.1 - 0.2												
0.3 - 0.4												
0.5 - 0.6									16D	23	15	49

[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