

Project Name: SOU
Project Code: SOU **Site ID:** P727 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Doug Road 300M south-west of Gardiner Road intersection:
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.:	-34.9	Drainage:	No Data

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Clay

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Acidic-Mottled Dystrophic Yellow Kandosol	Principal Profile Form:	Gn2.64
ASC Confidence:	Great Soil Group:	N/A
Analytical data are incomplete but reasonable confidence.		

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Silty loam (Fibric); <2 mm; FragmentVery weak consistence;
0.05 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Silty loam; Massive grade of structure;
0.1 - 0.2 m	Dark grey (10YR4/1-Moist); ; Silty loam; Massive grade of structure; Weak consistence; 2-10%, Quartz, coarse fragments;
0.3 - 0.4 m	Very pale brown (10YR8/4-Moist); , 10YR76; Silty clay loam; Massive grade of structure; Weak consistence; 2-10%, Quartz, coarse fragments; , Moderately cemented, Massive;
0.4 - 0.5 m	Brownish yellow (10YR6/6-Moist); , 10YR78; Silty light clay; Massive grade of structure; Weak consistence; 0-2%, Quartz, coarse fragments;
0.5 - 0.6 m	Brownish yellow (10YR6/6-Moist); , 10YR78; Silty light clay; Massive grade of structure; Weak consistence; 0-2%, Quartz, coarse fragments;
0.6 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Silty light clay; Massive grade of structure; Weak consistence; 0-2%, Quartz, coarse fragments;
0.75 - 0.85 m	Brownish yellow (10YR6/6-Moist); ; Sandy light clay; Massive grade of structure; Weak consistence; 0-2%, Quartz, coarse fragments;
0.9 - 1 m	Brownish yellow (10YR6/6-Moist); ; Sandy light clay; Massive grade of structure; Weak consistence; 2-10%, Granite, coarse fragments;

Morphological Notes

Observation Notes

30-40CM (5-10CM) PAN:60-100CM MUCH MICA ALSO:90-100CM QUARTZ VEIN ALSO:

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Laboratory Test Results:

Depth m	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na			Acidity Cmol (+)/kg
0 - 0.05	4.6A	0.003A	0.56K	0.56	0.17	0.27			
0.05 - 0.1	4.5A	0.003A	0.24K	0.38	0.08	0.18			
0.1 - 0.2					0.08				
0.3 - 0.4	4.9A	0.003A	0.02K	0.02	0.04	0.07			
0.4 - 0.5	4.8A	0.003A			0.04				
0.6 - 0.7	4.7A	0.003A							
0.75 - 0.85	4.8A	0.003A	0.02K	0.02	0.09	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		8.6D							55D	31	5	4
0.05 - 0.1												
0.1 - 0.2												
0.3 - 0.4									43D	33	9	13
0.4 - 0.5												
0.6 - 0.7												
0.75 - 0.85									23D	23	7	48

[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