Project Name: SOU
Project Code: SOU **Site ID:** P737 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	W.M. MacArthur	**Locality:**	Broke Inlet Road 0.5KM from South-West Highway:
Date Desc.:	02/11/82	**Elevation:**	No Data
Map Ref.:	Sheet No. : 2228 1:100000	**Rainfall:**	0
Northing/Long.:	116.55	**Runoff:**	No Data
Easting/Lat.:	-34.8833333333333	**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:**	Low hills
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Dystrophic Yellow Chromosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Dy5.61
Great Soil Group: Yellow podzolic soil

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; 0-2%, Substrate material, coarse fragments;
0.05 - 0.1 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure;
0.1 - 0.2 m	Brownish yellow (10YR6/6-Moist); ; Sand; Single grain grade of structure; 2-10%, Substrate material, coarse fragments;
0.2 - 0.3 m	Brownish yellow (10YR6/8-Moist); ; Sand; Single grain grade of structure; 20-50%, Substrate material, coarse fragments;
0.3 - 0.6 m	Brownish yellow (10YR6/7-Moist); ; Sand; Single grain grade of structure; 50-90%, Substrate material, coarse fragments;
0.6 - 0.8 m	Brownish yellow (10YR6/8-Moist); , 5Y52; , 5YR44; Medium clay; Massive grade of structure; Very firm consistence; 20-50%, Substrate material, coarse fragments;
0.8 - 1 m	Brownish yellow (10YR6/8-Moist); , 5Y52; , 5YR44; Medium clay; Massive grade of structure; Very firm consistence; 2-10%, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

GRAVELS THROUGHOUT PROFILE FERRUGINISED:PROFILE TENDS TO HAVE A THIN BLEACHED HORIZON ABOVE CLAY:

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.05	6.4A	0.003A	1.5K	0.56	0.1	0.08				
0.1 - 0.2	6.5A	0.003A								
0.3 - 0.6	6.5A	0.003A	0.28K	0.17	0.61	0.07				
0.6 - 0.8	6.2A	0.003A	0.38K	0.28	0.09	0.1				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		2.4D							56D	38	3	2
0.1 - 0.2												
0.3 - 0.6												
0.6 - 0.8									39D	26	7	28

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.05										
0.1 - 0.2										
0.3 - 0.6										
0.6 - 0.8										

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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