Project Name: SOU
Project Code: SOU **Site ID:** P755 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: W.M. MacArthur
Locality: Nornalup Road 2.1KM south of Mountain Road (ref. tree JM 120:1):
Date Desc.: 03/11/82
Elevation: No Data
Map Ref.: Sheet No. : 2328 1:100000
Rainfall: 0
Northing/Long.: 117
Runoff: No Data
Easting/Lat.: -34.8
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: No Data
Slope Category: No Data
Slope: 0 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Mottled-Hypernatric Grey Sodosol
Mapping Unit: N/A
Principal Profile Form: Dy3.41
ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Tall Strata - Heath shrub, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Sandy loam; Abundant
0.05 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand;
0.1 - 0.15 m	Greyish brown (10YR5/2-Moist); ; Fine sand;
0.15 - 0.25 m	Light brownish grey (10YR6/2-Moist); ; Fine sand;
0.25 - 0.4 m	Light grey (10YR7/2-Moist); ; Fine sand;
0.4 - 0.5 m	Light grey (10YR7/2-Moist); ; Fine sand;
0.5 - 0.6 m	Light grey (10YR7/2-Moist); ; Fine sand; 20-50%, Gravel, coarse fragments;
0.6 - 0.8 m	Olive grey (5Y4/2-Moist); , 10YR56; Fine sandy medium clay; 20-50%, Gravel, coarse fragments;
0.8 - 1 m	Olive (5Y4/3-Moist); , 10YR56; Fine sandy medium clay; 20-50%, Gravel, coarse fragments;

Morphological Notes

Observation Notes

CLAY IS DOMED AND LAYER OF GV IN A2 IS SPORADIC:CLAY HAS A LAYER OF BOGIRON ORE DIFFICULT TO PENETRATE:

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.05	5A	0.065A	0.17K	0.5	0.1	0.83				
0.05 - 0.1	4.9A	0.036A								
0.25 - 0.4	5.4A	0.113A	0.12K	0.19	0.02	0.1				
0.6 - 0.8	5.6A	0.173A								
0.8 - 1	5.7A	0.14A	0.6K	4.26	0.05	3.03				

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		3.3D							8D	70	8	10
0.05 - 0.1												
0.25 - 0.4												
0.6 - 0.8												
0.8 - 1									12D	71	3	14

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									
0.05 - 0.1									
0.25 - 0.4									
0.6 - 0.8									
0.8 - 1									

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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