Project Name: SOU
Project Code: SOU **Site ID:** P764 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: H.M. Churchwood
Date Desc.: 05/11/82
Map Ref.: Sheet No. : 2328 1:100000
Northing/Long.: 117.466666666667
Easting/Lat.: -34.5166666666667
Locality: 0.25KM north of west end of Wambellup Road: (north east of Wambellup swamp):
Elevation: No Data
Rainfall: 0
Runoff: No Data
Drainage: No Data

Geology

ExposureType: Soil pit
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: Swamp
Slope: 0 %
Pattern Type: Covered plain
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Dermosolic Oxyaquic Hydrosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: Uf6.13
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Dark grey (10YR4/1-Moist); ; Silty light clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately plastic; Normal plasticity;
0.05 - 0.1 m	Light brownish grey (10YR6/2-Moist); , 10YR51; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately plastic; Normal plasticity;
0.1 - 0.2 m	Light brownish grey (10YR6/2-Moist); , 10YR51; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately plastic; Normal plasticity;
0.3 - 0.4 m	Pale brown (10YR6/3-Moist); ; Medium clay; , Prismatic; Moderately plastic; Normal plasticity;
0.5 - 0.6 m	Pale brown (10YR6/3-Moist); ; Medium clay; , Prismatic; Moderately plastic; Normal plasticity;
0.7 - 0.8 m	Pale brown (10YR6/3-Moist); ; Medium clay (Light); , Prismatic; Moderately plastic; Normal plasticity;
0.9 - 1 m	Very pale brown (10YR7/3-Moist); ; Medium clay; , Prismatic; Moderately plastic; Normal plasticity;
1 - 1.1 m	Very pale brown (10YR7/3-Moist); ; Medium clay; , Prismatic; Moderately plastic; Normal plasticity;

Morphological Notes

Observation Notes

Site Notes

WAMBELLUP SWP

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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	6.3A	0.708A	3.5K	14.3	0.24	6				
0.1 - 0.2	7.4A	0.438A	2.42K	18.3	0.23	6.5				
0.5 - 0.6	7.3A	0.56A								
0.9 - 1	7.5A	0.426A	2.21K	17.9	0.13	6				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		2.5D							31D	37	6	22
0.1 - 0.2									32D	32	2	35
0.5 - 0.6												
0.9 - 1									33D	35	1	33

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									
0.5 - 0.6									
0.9 - 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