

Project Name: SOU
Project Code: SOU Site ID: P772 Observation ID: 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	W.M. MacArthur	Locality:	Junction of Keith and Hunwick Road:
Date Desc.:	04/11/82	Elevation:	No Data
Map Ref.:	Sheet No. : 2328 1:100000	Rainfall:	0
Northing/Long.:	117.466666666667	Runoff:	No Data
Easting/Lat.:	-34.95	Drainage:	No Data

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Terrace (alluvial)
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Grey Sodosol	Principal Profile Form:	Dy5.41
ASC Confidence:	Great Soil Group:	N/A
Analytical data are incomplete but reasonable confidence.		

Site Disturbance:

Vegetation: Low Strata - , , Closed or dense. *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	Grey (10YR5/1-Moist); ; Loamy fine sand; Single grain grade of structure; Loose consistence;
0.05 - 0.1 m	Grey (10YR6/1-Moist); ; Fine sand; Single grain grade of structure; Loose consistence;
0.1 - 0.15 m	Light grey (10YR7/2-Moist); ; Fine sand; Single grain grade of structure; Loose consistence;
0.15 - 0.25 m	Very pale brown (10YR7/4-Moist); ; Fine sand; Single grain grade of structure; Loose consistence;
0.25 - 0.4 m	Yellow (10YR7/5-Moist); ; Fine sand; Single grain grade of structure; Loose consistence;
0.4 - 0.7 m	Yellow (10YR7/5-Moist); ; Fine sand; Single grain grade of structure; Loose consistence;
0.7 - 0.9 m	Brown (10YR5/3-Moist); , 10YR61; Fine sand; Single grain grade of structure; Loose consistence;
0.9 - 1.1 m	Light brownish grey (10YR6/2-Moist); , 10YR56; Heavy clay; Strong grade of structure, Prismatic; Very firm consistence;
1.1 - 1.2 m	Light brownish grey (10YR6/2-Moist); , 2.5YR48; Heavy clay; Strong grade of structure, Prismatic; Very firm consistence;

Morphological Notes

Observation Notes

Site Notes

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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	5.5A	0.003A	0.92K	0.37	0.04	0.05			
0.1 - 0.15	5.7A	0.003A							
0.4 - 0.7	5.9A	0.003A	0.14K	0.2	0.05	0.05			
0.9 - 1.1	5.8A	0.006A							
1.1 - 1.2	5.7A	0.006A	1.25K	6	0.55	0.95			

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		1.01D										
0.1 - 0.15												
0.4 - 0.7												
0.9 - 1.1												
1.1 - 1.2									12D	35	4	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