

Project Name: SOU
Project Code: SOU **Site ID:** P771 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	W.M. MacArthur	Locality:	Near intersection of George St. and South Coast Highway Albany: top of broad flat spur:
Date Desc.:	04/11/82	Elevation:	No Data
Map Ref.:	Sheet No. : 2427 1:100000	Rainfall:	0
Northing/Long.:	117.816666666667	Runoff:	No Data
Easting/Lat.:	-35	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Analytical data are incomplete but reasonable confidence.	Principal Profile Form:	Dy5.84
		Great Soil Group:	N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.3 m	; Massive grade of structure;
0.3 - 0.5 m	; Massive grade of structure;
0.5 - 0.6 m	Strong brown (7.5YR5/8-Moist); ; Fine sandy medium clay; Massive grade of structure; Very firm consistence; 2-10%, Substrate material, coarse fragments;
0.6 - 0.8 m	Strong brown (7.5YR5/8-Moist); ; Fine sandy medium clay; Massive grade of structure; Very firm consistence;
0.8 - 1 m	Strong brown (7.5YR5/8-Moist); , 2.5YR48; Fine sandy medium clay; Massive grade of structure; Very firm consistence;
1 - 1.2 m	Strong brown (7.5YR5/8-Moist); , 2.5YR48; Fine sandy medium clay; Massive grade of structure; Very firm consistence;

Morphological Notes

Observation Notes

50-60CM FERRUGINISED GRAVEL:0-30CM AND 30-50CM ARE MASSIVE DURICRUST (WITH A THIN LAYER OF G SAND 'SPORADIC'):

Site Notes

ALBANY

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Ca	Exchangeable Mg	Cations K	Exchangeable Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.3			0.23K	0.21	0.08	0.11				
0.5 - 0.6	6A	0.003A								
0.6 - 0.8	5.9A	0.003A								
1 - 1.2	5.8A	0.003A	0.25K	0.51	0.06	0.06				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Particle CS	Size FS	Analysis Silt	Analysis Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.3												
0.5 - 0.6		1D										
0.6 - 0.8												
1 - 1.2									<1D	59	5	40

[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