Project Name: MAN
Project Code: MAN **Site ID:** P116 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: E. Bettenay
Locality: 2 chains west from South Stirling Road 1 KM south from south west corner of location 3433:
Date Desc.: 09/05/52
Elevation: No Data
Map Ref.: Sheet No. : 2528 1:100000
Rainfall: 760
Northing/Long.: 118.208333333333
Runoff: Moderately rapid
Easting/Lat.: -34.7941666666667
Drainage: Poorly drained

Geology

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

Land Form

Rel/Slope Class: No Data
Pattern Type: Peneplain
Morph. Type: Simple-slope
Relief: No Data
Elem. Type: Drainage depression
Slope Category: Gently inclined
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: N/A
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: Solodized solonetz

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - Rush, , . *Species includes - None recorded

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

Surface Coarse Fragments: 2-10%, , , Gravel

Profile Morphology

A1	0 - 0.13 m	Dark grey (10YR4/1-Moist); ; Fine sand; Single grain grade of structure; Loose consistence; ManyDiffuse, Smooth change to -
A2	0.13 - 0.27 m	Light grey (5Y7/1-Moist); ; Fine sand; Single grain grade of structure; Loose consistence; CommonClear, Irregular change to -
B1	0.38 - 0.51 m	(N4/0-Moist); , 10YR43; Heavy clay; , Columnar; Dry; Very strong consistence; Diffuse, Irregular change to -
B2	0.51 - 0.74 m	Light brownish grey (10YR6/2-Moist); , N40; Fine sandy medium clay; , Columnar; Moderately moist; Very firm consistence; Diffuse, Irregular change to -
B3	0.74 - 0.91 m	Light brownish grey (10YR6/2-Moist); , N40; , 5Y52; Sandy medium clay; Moist; Very firm consistence; 10-20%, cobbly, 60-200mm, Sandstone, coarse fragments; Clear, Irregular change to -
C	0.91 - 0.96 m	Yellowish brown (10YR5/6-Moist); , 10YR52; Medium clay; Moist; Very firm consistence; 10-20%, cobbly, 60-200mm, Sandstone, coarse fragments; Clear, Irregular change to -

Morphological Notes

Observation Notes

13-27CM GV FERRUGINISED:74-96CM GV IS SPONGOLITE:>96CM CONTINUED ONTO SOLID SPONGOLITE:

Site Notes

ALBANY RD BD

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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 - 0.13	5.9A	0.057A								
0.13 - 0.27	5.5A	0.054A								
0.38 - 0.51	5.9A	0.286A	1.5K	9.8	0.23	5.71			17.2B	
0.51 - 0.74	7.4A	0.446A								
0.74 - 0.91	8.2A	1.07A	6.5K	11	0.52	10.9			29B	
0.91 - 0.96	8.5A	1.36A								

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 - 0.13		1.89D										
0.13 - 0.27												
0.38 - 0.51												
0.51 - 0.74												
0.74 - 0.91												
0.91 - 0.96												

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 - 0.13									
0.13 - 0.27									
0.38 - 0.51									
0.51 - 0.74									
0.74 - 0.91									
0.91 - 0.96									

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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
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
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