Project Name: MMA
Project Code: MMA **Site ID:** P117 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: T.R. Poutsma
Locality: Along South Stirling Road 0.65KM north from north west corner location3433:
Date Desc.: 14/05/52
Elevation: No Data
Map Ref.: Sheet No. : 2528 1:100000
Rainfall: 710
Northing/Long.: 118.206944444445
Runoff: Moderately rapid
Easting/Lat.: -34.7716666666667
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Level plain <9m <1%
Pattern Type: Peneplain
Morph. Type: No Data
Relief: No Data
Elem. Type: Plain
Slope Category: Very gently sloped
Slope: 0 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Mesotrophic Grey Kandosol
Mapping Unit: N/A
Principal Profile Form: N/A
ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: N/A

Site Disturbance: No effective disturbance. Natural

Vegetation:

Mid Strata - Tree, , . *Species includes - None recorded

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

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, , Substrate material

Profile Morphology

A1	0 - 0.05 m	Dark grey (5Y4/1-Moist); ; Loamy fine sand; Single grain grade of structure; Moderately moist; Loose consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse, Irregular change to -
A2	0.05 - 0.38 m	Yellowish brown (10YR5/4-Moist); ; Loamy fine sand; Single grain grade of structure; Moist; Loose consistence; 50-90%, Substrate material, coarse fragments; Diffuse, Irregular change to
B1	0.38 - 0.48 m	Brownish yellow (10YR6/6-Moist); ; Sandy clay loam; Very weak consistence; 50-90%, Substrate material, coarse fragments; Clear, Irregular change to -
B2	0.48 - 0.61 m	Greyish brown (10YR5/2-Moist); , 10YR56; Fine sandy medium clay; Moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Clear, Irregular change to -
B3	0.61 - 0.91 m	Yellowish brown (10YR5/6-Moist); , 10YR61; , 2.5YR36; Medium clay; Moist; Weak consistence;
C	1.07 - 1.19 m	Brownish yellow (10YR6/6-Moist); , 2.5YR48; , 10YR61; Fine sandy medium clay; Moderately plastic; Normal plasticity;

Morphological Notes

Observation Notes

0-61CM GV FERRUGINISED:107-119CM WEATHERED 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 - 0.05	5.8A	0.057A	1.4K	1.2	0.19	0.2			3B	
0.05 - 0.38	5.8A	45A								
0.38 - 0.48	6A	0.039A								
0.48 - 0.61	6.3A	0.051A	1.2K	3.3	0.09	0.66			5.3B	
0.61 - 0.91	6.3A	0.063A								
1.07 - 1.19	7A	0.149A								

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		2.21D										
0.05 - 0.38												
0.38 - 0.48												
0.48 - 0.61												
0.61 - 0.91												
1.07 - 1.19												

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 - 0.38									
0.38 - 0.48									
0.48 - 0.61									
0.61 - 0.91									
1.07 - 1.19									

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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)
2_LOI	Loss on Ignition (%)
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