Project Name: CAP
Project Code: CAP **Site ID:** P148 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: L.W. Pym
Locality: 1.4KM north of Crooked Brook Siding along the Boyanup-Dardanup Railway:
Date Desc.: 05/03/53
Elevation: No Data
Map Ref.: Sheet No. : 2031 1:100000
Rainfall: 0
Northing/Long.: 115.751388888889
Runoff: Slow
Easting/Lat.: -33.4411111111111
Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: Level plain <9m <1%
Pattern Type: Plain
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:
Endohypersodic Self-Mulching Grey Vertosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Podzol

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Mid Strata - Tree, , Very sparse. *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Grey (2.5Y6/1-Moist); ; Fine sand (Fibric); Single grain grade of structure; Dry; Loose consistence; Non-plastic; 0-2%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Sharp, Smooth change to -
A2	0.1 - 0.28 m	Light brownish grey (2.5Y6/2-Moist); ; Fine sand; Single grain grade of structure; Dry; Loose consistence; Non-plastic; 0-2%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Sharp, Smooth change to -
A2B1	0.28 - 0.43 m	Olive grey (5Y5/2-Moist); , 10YR56; Sandy loam; Single grain grade of structure; Dry; Very weak consistence; Non-plastic; Very few (0 - 2 %), Ferruginous, , ; Field pH 5.5 (pH meter); Sharp, Irregular change to -
B1	0.43 - 0.71 m	Light olive grey (5Y6/2-Moist); , 5Y76; , 10YR56; Sandy medium clay; Massive grade of structure; Moist; Moderately plastic; Normal plasticity; Few (2 - 10 %), Ferruginous, , ; Field pH 6 (pH meter); Sharp, Irregular change to -
B2	0.71 - 1.57 m	Strong brown (7.5YR5/8-Moist); , N70; Heavy clay; Massive grade of structure; Moist; Moderately plastic; Normal plasticity; 2-10%, Gravel, coarse fragments; Field pH 6 (pH meter);
BC	1.57 - 1.98 m	Yellowish brown (10YR5/8-Moist); , 10YR71; Sandy medium clay; Moist; Moderately plastic; Normal plasticity; 2-10%, Gravel, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

BUNBURY

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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 - 0.1	6A	0.039A	1.2K	0.5	0.17	0.08	3.9E		5.9B	
0.1 - 0.28	6A	0.018A								
0.28 - 0.43	5.9A	0.033A								
0.43 - 0.71	6.2A	0.027A	1.6K	2.7	0.1	0.15	4.2E		8.8B	
0.71 - 1.57	6.4A	0.039A								
1.57 - 1.98										

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 - 0.1		1.17D			0.059B			1	34D	56	2	7
0.1 - 0.28												
0.28 - 0.43												
0.43 - 0.71					0.029B			7	24D	34	7	33
0.71 - 1.57												
1.57 - 1.98								3	35D	33	6	26

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 - 0.1									
0.1 - 0.28									
0.28 - 0.43									
0.43 - 0.71									
0.71 - 1.57									
1.57 - 1.98									

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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
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
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
7_NR	Total nitrogen (%) - Not recorded
P10_GRAV	Gravel (%)
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