

Project Name: CAP
Project Code: CAP **Site ID:** P153 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	On Lowrie Road 5 chains east from south east corner of location 76:
Date Desc.:	22/04/53	Elevation:	No Data
Map Ref.:	Sheet No. : 2030 1:100000	Rainfall:	0
Northing/Long.:	115.6625	Runoff:	No Data
Easting/Lat.:	-33.5247222222222	Drainage:	No Data

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Subnatic Yellow Sodosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Podzol
All necessary analytical data are available.		

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.11 m	Dark greyish brown (10YR4/2-Moist); ; Sand (Fibric); Single grain grade of structure; Loose consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Field pH 6 (pH meter); Clear, Smooth change to -
A2	0.11 - 0.22 m	Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Field pH 6.5 (pH meter); Clear, Smooth change to -
B	0.22 - 0.41 m	Brownish yellow (10YR6/6-Moist); ; Sandy medium clay; Massive grade of structure; Dry; Loose consistence; 10-20%, fine gravelly, 2-6mm, Gravel, coarse fragments; Field pH 6.5 (pH meter); Diffuse, Smooth change to -
	0.41 - 0.69 m	Yellow (10YR7/8-Moist); ; Sandy loam; Massive grade of structure; Weak consistence; 20-50%, fine gravelly, 2-6mm, Gravel, coarse fragments; Field pH 6.5 (pH meter); Clear, Irregular change to -
	0.69 - 0.96 m	Yellow (10YR7/8-Moist); , 10YR56; Sandy clay loam; Massive grade of structure; Weak consistence; 10-20%, fine gravelly, 2-6mm, Gravel, coarse fragments; Many (20 - 50 %), Ferruginous, , ; Field pH 7 (pH meter); Clear, Smooth change to -
	0.96 - 1.42 m	Grey (10YR6/1-Moist); , 5Y62; , 10YR56; Sandy medium clay; Massive grade of structure; Weak consistence; Few (2 - 10 %), Ferruginous, , ; Field pH 7 (pH meter); Sharp, Smooth change to -
	1.42 - 2.01 m	Light grey (10YR7/1-Moist); , 10YR68; Heavy clay; Massive grade of structure; Weak consistence; Moderately plastic; Normal plasticity; Very many (50 - 100 %), Ferruginous, , ; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

DONNYBROOK

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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	Acidity		%
						Cmol (+)/kg			
0 - 0.11	6.4A	0.074A	2.9K	2.4	0.32	0.13			
0.11 - 0.22	6.9A	0.039A							
0.22 - 0.41	6.5A	0.057A	0.9K	1	0.16	0.38	2E	4.4B	
0.41 - 0.69	5.7A	0.161A	0.4K	1.3	0.04	0.2	2.1E	4B	
0.69 - 0.96	6.2A	0.179A							
0.96 - 1.42	6A	0.295A							
1.42 - 2.01	5.4A								

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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
9A_HCL	Total element - P(%) - By boiling HCl
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