

Project Name: PIN
Project Code: PIN **Site ID:** P233 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	Junction of roads 8842 and 4264 at Location 197:
Date Desc.:	06/04/55	Elevation:	6 metres
Map Ref.:	Sheet No. : 2032 1:100000	Rainfall:	940
Northing/Long.:	115.829722222222	Runoff:	Slow
Easting/Lat.:	-32.635277777778	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.3 m deep, Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endohypersodic Epipedal Aquic Vertosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Brown clay
All necessary analytical data are available.		

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

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.15 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; , Granular; Very firm consistence; Moderately plastic; Normal plasticity; Few (2 - 10 %), Calcareous, , Nodules; Diffuse, Smooth change to -
0.15 - 0.48 m	Yellow (2.5Y7/6-Dry); ; Medium clay; , Angular blocky; Very firm consistence; Moderately plastic; Normal plasticity; Common (10 - 20 %), Calcareous, , Nodules; Diffuse change to -
0.48 - 0.99 m	Olive yellow (2.5Y6/6-Moist); ; Medium clay; Moderately plastic; Normal plasticity; Few (2 - 10 %), Calcareous, , Nodules;
0.99 - 1.34 m	(N6/0-Moist); , 2.5Y66; , 10YR53; Medium clay; Moderately plastic; Normal plasticity; Many (20 - 50 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

>53CM ON LIMESTONE:NODULAR CALCIUM CARBONATES ON SURFACE OF PUFF:

Site Notes

MURRAY L.D.

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	6.9H	0.09A	11.9K	5.5	0.35	0.9	5D			
0.15 - 0.48	8.6H	0.295A	11.2K	8.4	0.33	2.3				
0.48 - 0.99	9H	0.884A	6.8K	10.6	0.34	5.9				
0.99 - 1.34	8.9H	1.32A								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		2.12A		0.008F	0.118B	0.13B		0	9C	21	10	50
0.15 - 0.48	6.6C			0.003F		0.14B		9	11C	14	13	62
0.48 - 0.99	9.7C				0.014B			15	9C	12	13	67
0.99 - 1.34	13.7C							45				

[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_H	Hydrogen Cation - 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
17A_NR	Total element - K(%) - Not recorded
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4_NR	pH of soil - Not recorded
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded