

Project Name: PIN
Project Code: PIN **Site ID:** P242 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	Junction of road No.1811 and South Western Highway :383 A/40
Date Desc.:	08/06/55	Elevation:	No Data
Map Ref.:	Sheet No. : 2032 1:100000	Rainfall:	0
Northing/Long.:	115.906666666667	Runoff:	Moderately rapid
Easting/Lat.:	-32.808888888889	Drainage:	Moderately well 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:	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
Ferric Mesotrophic Grey Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
Analytical data are incomplete but reasonable confidence.			

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

Vegetation: Low Strata - Forb, , . *Species includes - None recorded
Mid Strata - Tree, , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.13 m	Grey (10YR5/1-Moist); ; Sand; Very weak consistence; Clear, Smooth change to -
B	0.13 - 0.33 m	Greyish brown (10YR5/2-Moist); ; Loamy sand; 20-50%, angular, Substrate material, coarse fragments; Diffuse, Smooth change to -
B	0.33 - 0.58 m	Light olive grey (5Y6/2-Moist); , 10YR56, 2-10% ; , 2-10% ; Sandy medium clay; Massive grade of structure; Wet; Moderately plastic; Normal plasticity; 20-50%, angular, Substrate material, coarse fragments; Clear, Smooth change to -
B	0.58 - 1.37 m	Light olive grey (5Y6/2-Moist); , 10YR56; , 10YR43; Sandy medium clay; Massive grade of structure; Wet; Moderately plastic; Normal plasticity; Many (20 - 50 %), Ferruginous, , Concretions;
B	1.37 - 1.78 m	Light grey (5Y7/1-Moist); , 10YR56; Sandy medium clay; Massive grade of structure; Wet; Moderately plastic; Normal plasticity; Many (20 - 50 %), Ferruginous, , Concretions;

Morphological Notes

Observation Notes

13-58CM AL GV IS FERRUGINOUS:58-137CM VERTICAL MOTTLING:

Site Notes

HAMEL

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Comol (+)/kg				%
0 - 0.13	6.2A	0.03A	1.7K	1.3	0.12	0.16				
0.13 - 0.33	6.1A	0.036A								
0.33 - 0.58	6.1A	0.08A	0.7K	2	0.42	0.34	5.9E		9.4B	
0.58 - 1.37	6.1A	0.06A								
1.37 - 1.78	6A	0.039A								

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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