

Project Name: PIN
Project Code: PIN **Site ID:** P238 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	East side of railway line near north west Location
Date Desc.:	25/05/55	Elevation:	No Data
Map Ref.:	Sheet No. : 2032 1:100000	Rainfall:	0
Northing/Long.:	115.896666666667	Runoff:	Rapid
Easting/Lat.:	-32.790277777778	Drainage:	Well drained

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Ferric-Petroferric Bleached Tenosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation:

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

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Grey (10YR5/1-Moist); ; Sand (Fibric); Single grain grade of structure; Field pH 6 (pH meter); Diffuse, Smooth change to -
A2	0.15 - 0.71 m	Light grey (10YR7/1-Moist); ; Sand; Single grain grade of structure; Field pH 5 (pH meter); Clear, Irregular change to -
B1	0.71 - 0.81 m	Dark reddish brown (5YR2/2-Moist); ; Sand (Fibric); 90-100%, stony, 200-600mm, Substrate material, coarse fragments; Field pH 5 (pH meter);

Morphological Notes

Observation Notes

71-81CM AL GV IS FERRUGINOUS:>81CM ON FERRUGINOUS ROCK:

Site Notes

DRAKESBROOK

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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				Cmol (+)/kg				%
0.71 - 0.81	5.3A	0.03A	0.6K	0.4	0.1	0.2	30E		31.3B	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.71 - 0.81		3.19D		0.004D	0.136B							

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0.71 - 0.81					g/g -	m3/m3				

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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