Project Name: BIN

Project Code: BIN Site ID: P72 Observation ID: 1

Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: L.W. Pym Locality: 2.4KM north-west of location 17971:

Date Desc.: 14/02/51 Elevation: 305 metres

Map Ref.:Rainfall:0Northing/Long.:Runoff:RapidEasting/Lat.:Drainage:Well drained

Geology

ExposureType: Soil pit Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: No Data Substrate Material: Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:No DataPattern Type:No DataMorph. Type:Upper-slopeRelief:No DataElem. Type:No DataSlope Category:Gently inclinedSlope:0 %Aspect:No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AHaplic Ferric-Petroferric Bleached-Leptic TenosolPrincipal Profile Form:N/AASC Confidence:Great Soil Group:N/A

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 Light brownish grey (10YR6/2-Moist); ; Loamy sand (Fibric); Single grain grade of structure; Dry;

Loose consistence; 2-10%, fine gravelly, 2-6mm, rounded, Substrate material, coarse

fragments; Diffuse, Smooth change to -

A2 0.15 - 0.76 m Light yellowish brown (10YR6/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose

consistence; 50-90%, cobbly, 60-200mm, Substrate material, coarse fragments; Diffuse change

to -

A3C 0.76 - 1.27 m Pale yellow (2.5Y7/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; 50-

90%, Substrate material, coarse fragments;

C 1.27 - 1.56 m ;

Morphological Notes

HEAVY PISOLITIC FERRUGINOUS GRAVEL

Observation Notes

GV THROUGHOUT FERRUGINISED:>96CM C HORIZON PISOLITIC GV STRONGLY CEMENTED WITH FERRUGINOUS MATERIAL:

Site Notes

AVON L.D.

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Laboratory Test Results:

Euboratory Foot Robalto.												
Depth	рН	1:5 EC		hangeable Vig	Cations K	Na	Exchangeable Acidity	CEC	E	CEC	E	SP
m		dS/m		9		Cmol (+					9	6
0 - 0.15 0.15 - 0.76 0.76 - 1.27	6.5A 7A 7.1A	0.036A 0.018A 0.021A	3.9K 1.2K	1.8 1	0.32 0.2	0.03 0.02				6.1B 2.4B		
1.27 - 1.56	6.9A	0.03A	0.7K	1.2	0.14	0.02				2.1B		
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	l Bulk Density	Pa GV	rticle \$	Size A	nalysis Silt (Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15 0.15 - 0.76 0.76 - 1.27 1.27 - 1.56		2.53D 0.51D		0.008E 0.006E		-		17 62 83 87	48D 34D 35D 49D	37 47 47 36	6 7 8 6	9 13 11 10
Depth	COLE	E Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar							K sat K unsat			
m		Jai.	U.UJ Dai		g - m3/m3		3 Dal 13	Dai	mm/h	1	mm/h	

0 - 0.15 0.15 - 0.76 0.76 - 1.27 1.27 - 1.56

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Laboratory Analyses Completed for this profile

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded 15_NR_CA 15_NR_K Exch. basic cations (K++) - meq per 100g of soil - Not recorded 15_NR_MG 15_NR_NA Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen) 15J_H

2_LOI Loss on Ignition (%) 2A1 Air-dry moisture content 3A1 EC of 1:5 soil/water extract pH of 1:5 soil/water suspension 4A1

5A2 Chloride - 1:5 soil/water extract, automated colour

6A1_UC

Organic carbon (%) - Uncorrected Walkley and Black method Total nitrogen (%) - Not recorded Total element - P(%) - By boiling HCl 7_NR 9A_HCL

P10_GRAV Gravel (%)

P10_PB_C P10_PB_CS Clay (%) - Plummet balance Coarse sand (%) - Plummet balance P10_PB_FS Fine sand (%) - Plummet balance P10_PB_Z Silt (%) - Plummet balance