

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I318 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 22/05/93
Map Ref.:
Northing/Long.: 6870116 AMG zone: 50
Easting/Lat.: 638897 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Landform

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: 1 %
Pattern Type: No Data
Relief: 20 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Cryptogam surface, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
 Duric Arenic Rudosol Gravelly Sandy Shallow
ASC Confidence:
 All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uc5.21
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A 0 - 0.27 m Dark reddish brown (2.5YR3/4-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Very weak consistence; 10-20%, rounded, , coarse fragments; Field pH 6.5 (Raupach);

D 0.27 - m ;

Morphological Notes

D Red-brown hardpan

Observation Notes

Site Notes

Slope previously codes as 10.

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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				%
0.01 - 0.01	5.2H	3B	0.42H	0.23	0.18	0.04	0.21J		0.87D	
0.02 - 0.05	4.8H	3B	0.34H	0.16	0.13	<0.02	0.41J		0.64D	
0.05 - 0.1	4.6H	4B	0.7H	0.19	0.18	<0.02	0.31J		1.08D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.01 - 0.01		0.2D		170B	0.023E			
0.02 - 0.05		0.14D		160B	0.016E			
0.05 - 0.1		0.17D		130B	0.018E			

Laboratory Analyses Completed for this profile

15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn ²⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour