

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I320 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 22/05/93
Map Ref.:
Northing/Long.: 6879488 AMG zone: 50
Easting/Lat.: 632352 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

ExposureType: Auger boring
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: %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Cryptogam surface, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
 Acidic Duric Red Kandosol Thin Non-gravelly Clay-loamy Clay-loamy Moderately deep
Mapping Unit: N/A
Principal Profile Form: Gn2.12
ASC Confidence:
 Analytical data are incomplete but reasonable confidence.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A 0 - 0.05 m Dark red (2.5YR3/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry;
 Weak consistence; 2-10%, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Smooth
 change to -

 B21 0.05 - 0.3 m Dark red (2.5YR3/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric;
 Moderately moist; Very weak consistence; 0-2%, rounded, , coarse fragments; Field pH 5.5 (pH
 meter); Clear,
 Smooth change to -

 B22 0.3 - 0.8 m Dark red (2.5YR3/6-Moist); ; Sandy clay loam; Moderately moist; Very few (0 - 2 %),
 Manganiferous, Fine (0 - 2 mm), Soft segregations; Field pH 6 (pH meter);

 D 0.8 - m ; Red-brown hardpan;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Clmol (+)/kg	Acidity			%
0.01 - 0.01	5.1H	3B	0.32H	0.22	0.15	0.03	0.23J		0.72D	
0.02 - 0.05	5H	1B	0.18H	0.13	0.09	<0.02	0.4J		0.41D	
0.1 - 0.2	4.4H	4B	0.19H	0.11	0.14	<0.02	0.65J		0.45D	
0.3 - 0.6	4.9H	3B	0.48H	0.72	0.2	0.07	0.1J		1.47D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.01 - 0.01		0.23D		150B	0.025E			
0.02 - 0.05		0.18D		130B	0.019E			
0.1 - 0.2		0.15D		120B	0.024E			
0.3 - 0.6		0.07D		100B	0.02E			

Laboratory Analyses Completed for this profile

15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,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 (Mn2+) 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