

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I032 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 15/09/92
Map Ref.:
Northing/Long.: 6918269 AMG zone: 50
Easting/Lat.: 774031 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: %
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:
 Haplic Duric Red Kandosol Thin Non-gravelly Clay-loamy Clay-loamy Moderately deep
Mapping Unit: N/A
Principal Profile Form: Um5.31
ASC Confidence:
 All necessary analytical data are available.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A	0 - 0.05 m	Dark red (2.5YR3/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Very firm
		consistence; 0-2%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (Raupach); Sharp,
		Smooth change to -
B21	0.05 - 0.35 m	Dark red (2.5YR3/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Very firm
		consistence; 0-2%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (pH meter); Clear,
		Smooth change to -
B22	0.35 - 0.85 m	Red (2.5YR4/6-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Consolidated
		rock (unidentified), coarse fragments; 0-2%, medium gravelly, 6-20mm, angular, Consolidated rock
		(unidentified), coarse fragments; Field pH 7 (pH meter);
D	0.85 - m	; Red-brown hardpan;

Morphological Notes

Observation Notes

Site Notes

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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 - 0.05	5.7H	2B	0.94H	0.31	0.36	0.02	0.15J		1.63D	
0.1 - 0.3	5.2H	4B	1.25H	0.38	0.3	0.03	0.1J		1.96D	
0.4 - 0.6	6.8H	4B	1.87H	1.41	0.32	0.17	<0.02J		3.77D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0 - 0.05				180B	0.049E						
0.1 - 0.3				160B	0.037E						
0.4 - 0.6				130B	0.027E						

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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour