

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I481 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mark Newell
Date Desc.: 27/07/93
Map Ref.:
Northing/Long.: 6930805 AMG zone: 50
Easting/Lat.: 791845 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 Firm, Hardsetting

Erosion

Soil Classification

Australian Soil Classification: Acidic Dystrophic Red Kandosol Medium Non-gravelly Sandy Clay-loamy Deep
Mapping Unit: N/A
Principal Profile Form: Gn1.11

ASC Confidence: Analytical data are incomplete but reasonable confidence.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

0 - 0.1 m	Dark reddish brown (2.5YR3/4-Moist); ; Clayey sand; Single grain grade of structure;
Sandy (grains	prominent) fabric; Loose consistence; 0-2%, subrounded, Quartz, coarse fragments; Field
pH 5.5 (pH	meter); Gradual, Smooth change to -
0.1 - 0.8 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy loam; Single grain grade of structure;
Sandy (grains	prominent) fabric; Loose consistence; 0-2%, angular, Ferricrete, coarse fragments; Field
pH 5.5 (pH	meter); Gradual, Smooth change to -
0.8 - 1 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy clay loam; Single grain grade of structure;
Sandy (grains	prominent) fabric; Loose consistence; 0-2%, angular, Ferricrete, coarse fragments; 2-
10%, subrounded,	Quartz, coarse fragments; Field pH 6.5 (pH meter);

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				Na	Cmol (+)/kg			%
0.01 - 0.02	5.2H	2B	0.38H	0.14	0.27	0.02	0.16J		0.81D	
0.02 - 0.05	4.7H	2B	0.08H	<0.02	0.11	<0.02	0.54J		0.21D	
0.1 - 0.2	4.4H	2B	0.12H	0.03	0.14	<0.02	0.63J		0.3D	
0.3 - 0.5	4.4H	3B	0.18H	0.06	0.17	<0.02	0.59J		0.42D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0.01 - 0.02 12.5		0.26D		160B	0.025E			83.5I 4
0.02 - 0.05 13.5		0.18D		140B	0.016E			83.5I 3
0.1 - 0.2 16		0.16D		120B	0.018E			80.5I 3.5
0.3 - 0.5 17.5		0.13D		100B	0.02E			78.5I 4

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	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
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded