

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I301 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mark Newell
Date Desc.: 18/05/93
Map Ref.:
Northing/Long.: 6819677 AMG zone: 50
Easting/Lat.: 619953 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: 60 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Firm, Hardsetting

Erosion

Soil Classification

Australian Soil Classification: Haplic Mesotrophic Red Kandosol Thin Non-gravelly Loamy Clay-loamy Shallow
Mapping Unit: N/A
Principal Profile Form: Dr2.52
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 reddish brown (2.5YR2/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry;
 Very weak consistence; 2-10%, angular, Consolidated rock (unidentified), coarse fragments; 0-2%, angular, Consolidated rock (unidentified), coarse fragments; Field pH 6.5 (Raupach); Abrupt, Smooth
 change to -
B 0.05 - 0.25 m Dark reddish brown (2.5YR2/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric;
 Moderately moist; Loose consistence; 0-2%, angular, Consolidated rock (unidentified), coarse fragments; Field pH 7 (Raupach);
C 0.25 - m ;

Morphological Notes

C Gabbro

Observation Notes

Site Notes

Slope previously codes as 10.

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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	Cmol (+)/kg	Acidity			%
0.01 - 0.05	7.2H	4B	7.02A	3	0.18	0.13	9J	10.33D	1.44
0.1 - 0.15	7.6H	2B	8.81A	3.17	0.06	0.14	9J	12.18D	1.56

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 - 0.05		0.38D		770B	0.044E			
0.1 - 0.15		0.22D		140B	0.03E			

Laboratory Analyses Completed for this profile

15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_K for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_MG for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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