

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I016 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mark Newell
Date Desc.: 13/09/92
Map Ref.:
Northing/Long.: 6947813 AMG zone: 50
Easting/Lat.: 720639 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: Plain
Slope: %
Pattern Type: No Data
Relief: 30 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Cryptogam surface, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
 Lithosolic Clastic Rudosol Non-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

A11 0 - 0.05 m Yellowish red (5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric;
 Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 10-
 20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Field pH 6 (Raupach); Abrupt,
 Smooth change to -
 A12 0.05 - 0.35 m Reddish brown (5YR4/4-Moist); ; Clayey coarse sand; Massive grade of structure; Earthy
 fabric; Weak consistence; 10-20%, subrounded, Quartz, coarse fragments; 2-10%, subrounded,
 Granite, coarse fragments; Field pH 6.5 (pH meter);
 C 0.35 - m ;

Morphological Notes

C Decomposing granite

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	5.5H	1B	0.52H	0.41	0.31	0.03	0.22J		1.27D	
0.05 - 0.1	5.9H	2B	1.63H	1.26	0.08	0.19	0.07J		3.16D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
								GV CS FS Silt

m	%	Clay %	mg/kg	%	%	%	Mg/m3	%
0 - 0.05				120B	0.034E			
0.05 - 0.1				110B	0.034E			

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