Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I087 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 26/10/92
Map Ref.:
Northing/Long.: 6848687 AMG zone: 50
Easting/Lat.: 572192 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: 20 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Cryptogam surface, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
Haplic Duric Red Chromosol Thin Non-gravelly Sandy Clayey Very 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 red (2.5YR3/6-Moist); ; Clayey sand; Earthy fabric; Weak consistence; 10-20%, subangular, Quartz, coarse fragments; Field pH 7 (Raupach); Abrupt change to -

B 0.05 - 0.2 m Dark red (2.5YR3/6-Moist); ; Light clay; Earthy fabric; Very firm consistence; 0-2%, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 7 (pH meter);

D 0.2 - m ;

Morphological Notes

D Red-brown hardpan

Observation Notes

Site Notes

Slope previously codes as 10.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.01	6.4H	290B	2.25H	1.88	0.26	1.01	<0.02J		5.4D	
0.01 - 0.05	6.6H	190B	1.79A	1.42	0.2	0.94		3J	4.35D	31.33
0.05 - 0.15	7H	94B	2.74A	3.47	0.34	2.33		9J	8.88D	25.89

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

m	%	%	mg/kg	%	%	%	Mg/m3	%
0 - 0.01				150B	0.044E			
0.01 - 0.05				140B	0.028E			
0.05 - 0.15				140B	0.032E			

Laboratory Analyses Completed for this profile

15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
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
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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour