Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I277 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mark Newell
Date Desc.: 09/05/93
Map Ref.:
Northing/Long.: 6862834 AMG zone: 50
Easting/Lat.: 597286 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:
Sodic Duric Red Kandosol Medium Non-gravelly Clay-loamy Clay-loamy Moderately deep
Mapping Unit: N/A
Principal Profile Form: Um5.31
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.15 m Red (2.5YR4/6-Moist); ; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, subrounded, Quartz, coarse fragments; Field pH 6 (Raupach); Gradual, Smooth change to -

A12 0.15 - 0.45 m Red (2.5YR4/6-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, subrounded, Quartz, coarse fragments; Field pH 7 (Raupach);

D 0.45 - m ; Red-brown hardpan;

Morphological Notes

Observation Notes

Site Notes

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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							%
0.01 - 0.02	5.9H	3B	0.48H	0.33	0.5	0.03	0.12J		1.34D	
0.02 - 0.05	5.3H	3B	0.4H	0.27	0.34	0.04	0.28J		1.05D	
0.25 - 0.3	7H	2B	2.01A	1.31	0.3	0.28		3J	3.9D	9.33

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			%	

0.01 - 0.02	0.49D	170B	0.045E
0.02 - 0.05	0.23D	140B	0.024E
0.25 - 0.3	0.09D	98B	0.016E

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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour