Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I454 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 21/07/93
Map Ref.:
Northing/Long.: 6986917 AMG zone: 50
Easting/Lat.: 706965 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: 80 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
Haplic Calcic Red Kandosol Medium Non-gravelly Clay-loamy Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Uf6.71
ASC Confidence:
All necessary analytical data are available.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A 0 - 0.15 m Dark red (2.5YR3/6-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Soil matrix is Slightly calcareous; Field pH 7.5 (Raupach); Abrupt, Smooth change to -

B21 0.15 - 0.5 m Dark red (2.5YR3/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Very weak consistence; 0-2%, subangular, Quartz, coarse fragments; Field pH 7.5 (pH meter); Clear, Smooth change to -

B22 0.5 - 1 m Dark red (2.5YR3/6-Moist); ; Light clay; Very weak consistence; Field pH 10 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0.01 - 0.02	8.5H	19B	5.67E	1.78	2.61	0.46		9J	10.52D	5.11
0.02 - 0.05	9.2H	16B	6.55E	1.35	2.8	0.49		10J	11.19D	4.90
0.1 - 0.2	8.4H	10B	7.62E	1.31	1.65	0.08		10J	10.66D	0.80
	8.4H		7.62E	1.31	1.65	0.08		10J	10.66D	
0.1 - 0.2	8.4H	10B	7.62E	1.31	1.65	0.08		10J	10.66D	0.80
	8.4H		7.62E	1.31	1.65	0.08		10J	10.66D	
0.3 - 0.5	8H	3B	7.43E	1.7	1.04	0.08		11J	10.25D	0.73

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.01 - 0.02		1.08D		290B	0.096E				55.5I		14.5	30
0.02 - 0.05		0.34D		240B	0.04E				38.5I		22	39.5
0.1 - 0.2		0.2D		210B	0.026E				35I		14	51
		0.2D		210B	0.026E				35I		14	51
0.1 - 0.2		0.2D		210B	0.026E				35I		14	51
		0.2D		210B	0.026E				35I		14	51
0.3 - 0.5		0.15D		200B	0.025E				32I		13	55

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded