

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I322 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 23/05/93
Map Ref.:
Northing/Long.: 6876869 AMG zone: 50
Easting/Lat.: 545303 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 Other, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
 Haplic Epipedal Calcic Calcarosol Non-gravelly Clayey Clayey
 Moderately deep
Mapping Unit: N/A
Principal Profile Form: Uf6.31
ASC Confidence:
 No analytical data and little or no knowledge of this soil.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.01 m Polyhedral; Smooth- Sharp, Smooth	Reddish brown (5YR4/4-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, ped fabric; Strong consistence; Soil matrix is Highly calcareous; Field pH 10 (pH meter); change to -
A12 0.01 - 0.04 m Polyhedral; Smooth- Sharp, Smooth	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, ped fabric; Firm consistence; Soil matrix is Highly calcareous; Field pH 10 (pH meter); change to -
B21 0.04 - 0.3 m Polyhedral; Smooth- Highly	Yellowish red (5YR4/6-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, ped fabric; Weak consistence; 2-10%, rounded, Calcrete, coarse fragments; Soil matrix is calcareous; Field pH 10 (pH meter); Abrupt, Smooth change to -
B22 0.3 - 0.8 m calcareous; Field pH 10	Red (2.5YR4/6-Moist); ; Light clay; Very weak consistence; Soil matrix is Highly (pH meter);

Morphological Notes

Observation Notes

Site Notes

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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 - 0.04	8.3H	550B	9.54E	4.86	1.84	7.48	15J	23.72D	49.87
0.04 - 0.3	9H	230B	3.84E	5.83	2.11	10.88	19J	22.66D	57.26
0.3 - 0.8	8.9H	430B	5.32E	6.62	2.54	11.75	22J	26.23D	53.41

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.04		1.02D		200B	0.103E			
0.04 - 0.3		0.56D		190B	0.069E			
0.3 - 0.8		0.39D		150B	0.044E			

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
15C1_CA pretreatment for	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5, soluble salts
15C1_K soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using 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