

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I018 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 13/09/92
Map Ref.:
Northing/Long.: 6966142 AMG zone: 50
Easting/Lat.: 707496 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: Channel bench
Slope: 0.5 %
Pattern Type: No Data
Relief: 10 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
 Sodic Hypercalcic Red Dermosol Thin Moderately gravelly Clay-loamy Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Uf6.12
ASC Confidence:
 No analytical data are available but confidence is fair.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

0 - 0.05 m	Dark red (2.5YR3/6-Moist); ; Clay loam, fine sandy; Weak grade of structure, 2-5 mm, Polyhedral;
	Rough-ped fabric; Firm consistence; 20-50%, rounded, , coarse fragments; Soil matrix is Moderately
	calcareous; Field pH 9.5 (pH meter); Clear, Smooth change to -
0.05 - 0.45 m	Dark red (2.5YR3/6-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Polyhedral;
Rough-ped fabric;	Firm consistence; 20-50%, rounded, , coarse fragments; Soil matrix is Moderately
calcareous; Field pH	9.5 (pH meter); Clear, Smooth change to -
0.45 - 0.85 m	Yellowish red (5YR5/6-Moist); ; Light clay; 10-20%, rounded, , coarse fragments; Very
many (50 - 100	%), Calcareous, Medium (2 -6 mm), Concretions; Soil matrix is Very highly calcareous;
Field pH 9.5 (pH	meter); Abrupt, Smooth change to -
0.85 - 1 m	Yellowish red (5YR5/8-Moist); ; Light clay; 2-10%, rounded, , coarse fragments; Very
many (50 - 100 %),	Calcareous, Medium (2 -6 mm), Concretions; Soil matrix is Very highly calcareous; Field
pH 9.5 (pH	meter);

Morphological Notes

Observation Notes

Site Notes

Slope previously codes as 5.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m		Cmol (+)/kg				%		
0 - 0.05	7.6H	58B	3.25A	1.77	0.26	0.89	4J	6.17D	22.25
0.1 - 0.2	8.3H	340B	6.1E	2.34	0.29	1.83	8J	10.56D	22.88
0.5 - 0.6	8.3H	420B	7.04E	2.15	0.13	1.21	7J	10.53D	17.29

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 - 0.05				160B	0.022E			
0.1 - 0.2				130B	0.026E			
0.5 - 0.6				93B	0.014E			

Laboratory Analyses Completed for this profile

15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_K for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15C1_CA pretreatment for	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
15C1_K soluble salts	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
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