

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I326 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 24/05/93
Map Ref.:
Northing/Long.: 6878361 AMG zone: 50
Easting/Lat.: 573491 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: 0.5 %
Pattern Type: No Data
Relief: 10 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Cryptogam surface, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
 Petrocalcic Lithocalcic Calcarosol Moderately gravelly Loamy
 Loamy Deep
Mapping Unit: N/A
Principal Profile Form: Uc5.12
ASC Confidence:
 Analytical data are incomplete but reasonable confidence.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.05 m Dark brown (7.5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric;
 Dry; Loose
 consistency; 20-50%, Calcareous, coarse fragments; 20-50%, rounded, Calcrete, coarse
 fragments;
 Soil matrix is Highly calcareous; Field pH 10 (Raupach); Gradual, Smooth change to -
 A12 0.05 - 0.8 m Dark brown (7.5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric;
 Dry; Loose
 consistency; 50-90%, Calcareous, coarse fragments; 50-90%, rounded, Calcrete, coarse
 fragments;
 Soil matrix is Highly calcareous; Field pH 10 (Raupach);
 K? 0.8 - m ;

Morphological Notes

K? Calcrete

Observation Notes

Site Notes

Slope previously codes as 5.

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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			%
0.01 - 0.01	8.6H	68B	6.2E	1.51	1.55	0.69		8J	9.95D	8.63
0.02 - 0.05	9.1H	120B	4.51E	1.67	1.37	2.2		9J	9.75D	24.44
0.1 - 0.3	9.2H	69B	3.62E	2.3	0.76	1.71		7J	8.39D	24.43

Depth CaCO3 Organic Avail. Total Total Total Bulk Particle Size Analysis

		C Clay	P	P	N	K	Density	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.01 - 0.01		0.6D		120B	0.083E						
0.02 - 0.05		0.83D		120B	0.096E						
0.1 - 0.3		0.63D		120B	0.074E						

Laboratory Analyses Completed for this profile

15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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