

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I302 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 18/05/93
Map Ref.:
Northing/Long.: 6822690 AMG zone: 50
Easting/Lat.: 618950 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: 1 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Self-mulching

Erosion

Soil Classification

Australian Soil Classification:
 Haplic Eutrophic Red Dermosol Thin Slightly gravelly Clayey
 Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Uf6.21
ASC Confidence:
 Analytical data are incomplete but reasonable confidence.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A	0 - 0.05 m	Dark reddish brown (2.5YR3/4-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry;
Ferricrete,		Very weak consistence; 2-10%, subangular, Quartz, coarse fragments; 2-10%, rounded, coarse fragments; Field pH 10.5 (Raupach); Sharp, Smooth change to -
B1	0.05 - 0.15 m	Dark reddish brown (2.5YR3/4-Moist); ; Silty light medium clay; Moderate grade of structure, 2-5 mm,
Quartz, coarse		Polyhedral; Smooth-ped fabric; Moderately moist; Weak consistence; 2-10%, subangular, fragments; 2-10%, rounded, Ferricrete, coarse fragments; Field pH 10.5 (Raupach);
Sharp, Smooth		change to -
B2	0.15 - 1 m	Dark reddish brown (2.5YR3/4-Moist); ; Heavy clay; Strong grade of structure, 2-5 mm,
Polyhedral;		Smooth-ped fabric; Moderately moist; Firm consistence; 2-10%, rounded, Ferricrete,
coarse fragments;		Field pH 9 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Slope previously codes as 10.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Na	Cmol (+)/kg			%
0.01 - 0.05	8.8H	8B	13.02E	3.15	0.51	0.19		17J	16.87D	1.12

0.05 - 0.15	8.6H	2B	2.34E	0.62	0.2	0.11		4J	3.27D	2.75
0.15 - 0.25	8.4H	41B	10.42E	5.48	0.42	4.82		21J	21.14D	22.95

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
0.01 - 0.05		0.16D		440B	0.024E			
0.05 - 0.15		0.09D		410B	0.013E			
0.15 - 0.25		0.28D		380B	0.038E			

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	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