

Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I691 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 27/09/93
Map Ref.:
Northing/Long.: 6866795 AMG zone: 50
Easting/Lat.: 654076 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: 10 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Firm, Hardsetting

Erosion

Soil Classification

Australian Soil Classification: N/A
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Uf6.21
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

0 - 0.02 m	Dark reddish brown (2.5YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Very firm
	consistence; 50-90%, rounded, , coarse fragments; Field pH 7 (pH meter); Abrupt, Smooth change to -
0.02 - 0.07 m	Dark reddish brown (2.5YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Very firm
	consistence; 50-90%, rounded, , coarse fragments; Field pH 9 (pH meter); Abrupt, Smooth change to -
A mm,	0.07 - 0.35 m Dark reddish brown (2.5YR3/3-Moist); ; Light medium clay; Strong grade of structure, 2-5 Polyhedral; Smooth-ped fabric; Firm consistence; Field pH 9 (pH meter); Gradual change to -
B segregations; Soil	0.35 - 1 m ; Medium clay; Strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft matrix is Slightly calcareous; Field pH 9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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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				Cmol (+)/kg				%
0.01 - 0.02	7.8H	60B	6.14E	2.36	0.36	2.01		12J	10.87D	16.75
0.02 - 0.05	8.4H	14B	8.54E	4.41	0.29	3.34		16J	16.58D	20.88

0.05 - 0.15	9.3H	130B	10.49E	6.26	0.25	7.63		24J	24.63D	31.79
0.2 - 0.4	8.6H	280B	13.24E	7.09	0.23	7.71		24J	28.27D	32.13

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³				%	
0.01 - 0.02		0.09D		85B	0.008E					61.5I		22
16.5												
0.02 - 0.05		0.14D		72B	0.01E					62.5I		12
25.5												
0.05 - 0.15		0.12D		40B	0.007E					47.5I		9.5
43												
0.2 - 0.4		0.1D		54B	0.006E					44.5I		6
49.5												

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_CMRR	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
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded