Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I048 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 18/09/92
Map Ref.:
Northing/Long.: 6722517 AMG zone: 50
Easting/Lat.: 708024 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: Hillcrest
Slope: 8 %
Pattern Type: No Data
Relief: 350 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Firm

Erosion

Soil Classification

Australian Soil Classification:
Haplic Dystrophic Red Dermosol Medium Non-gravelly Clayey Clayey Shallow
Mapping Unit: N/A
Principal Profile Form: Uf6.12
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A 0 - 0.1 m Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Basalt, coarse fragments; 10-20%, medium gravelly, 6-20mm, angular, Basalt, coarse fragments; Field pH 7 (Raupach); Abrupt, Irregular change to -

B 0.1 - 0.3 m Dusky red (10R3/4-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moderately moist; Firm consistence; 10-20%, coarse gravelly, 20-60mm, angular, Basalt, coarse fragments; 2-10%, fine gravelly, 2-6mm, angular, Basalt, coarse fragments; Field pH 7 (pH meter);

C 0.3 - m ;

Morphological Notes

C Basalt

Observation Notes

Site Notes

Slope previously codes as 80.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.05	7.3H	4B	11.83E	5.65	0.52	0.14		16J	18.14D	0.88
0.1 - 0.3	7.4H	3B	14.01A	9.03	0.12	0.31		22J	23.47D	1.41

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.05				97B	0.072E						
0.1 - 0.3				78B	0.053E						

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
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 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
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