Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I161 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Peter Hennig
Date Desc.: 22/11/92
Map Ref.:
Northing/Long.: 6705598 AMG zone: 50
Easting/Lat.: 509616 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: 2 %
Pattern Type: No Data
Relief: 25 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Soft

Erosion

Soil Classification

Australian Soil Classification:
Arenic Rudosol Non-gravelly Sandy Moderately deep
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uc5.22
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Very weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 6 (pH meter); Sharp change to -

A12 0.1 - 0.3 m Brown (7.5YR4/4-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Very weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 6 (pH meter); Clear change to -

B 0.3 - 0.8 m Yellowish brown (10YR5/6-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Very weak consistence; 10-20%, Ferricrete, coarse fragments; Field pH 5.5 (pH meter);

0.8 - m ;

Morphological Notes

Ironstone gravels

Observation Notes

Site Notes

Slope previously codes as 20.

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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 - 0.02	5.6H	1B	0.41H	0.19	0.13	0.04	0.28J		0.77D	
0.02 - 0.1	4.6H	3B	0.15H	0.07	0.06	0.02	0.71J		0.3D	

0.3 - 0.4	4.6H	3B	0.42H	0.19	0.04	0.05	0.64J				0.7D		

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.02				53B	0.037E						
0.02 - 0.1				35B	0.035E						
0.3 - 0.4				36B	0.039E						

Laboratory Analyses Completed for this profile

15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour