Project Name: Sandstone Yalgoo Paynes Find rangeland survey
Project Code: SYP **Site ID:** I278 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mark Newell
Date Desc.: 09/05/93
Map Ref.:
Northing/Long.: 6846738 AMG zone: 50
Easting/Lat.: 597727 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: 3 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Firm, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
Petroferric Leptic Rudosol Moderately gravelly Sandy Shallow
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uc1.23
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.15 m Strong brown (7.5YR4/6-Moist); ; Loamy fine sand; Single grain grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Gravel, coarse fragments; Field pH 4.5 (Raupach); Gradual, Smooth change to -

A12 0.15 - 0.35 m Strong brown (7.5YR4/6-Moist); ; Loamy fine sand; Single grain grade of structure; Earthy fabric; Dry; Very weak consistence; 50-90%, subrounded, Gravel, coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular, Lacustrine Sediment, coarse fragments; Field pH 4.5 (Raupach); - m ;

Morphological Notes

Ironstone gravelly layer

Observation Notes

Site Notes

Slope previously codes as 5.

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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							%
0.01 - 0.05	5.1H	2B	0.15H	0.09	0.12	<0.02	0.38J		0.37D	
0.15 - 0.3	4.5H	3B	0.08H	0.03	0.08	<0.02	0.65J		0.2D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay

m	%	%	mg/kg	%	%	%	Mg/m3	%
0.01 - 0.05		0.32D		82B	0.024E			
0.15 - 0.3		0.26D		56B	0.022E			

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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour