Project Name: **Dandaragan land resources survey**
Project Code: **DAN** **Site ID:** **0849** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	B. Purdie	**Locality:**	
Date Desc.:	16/05/96	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6607454 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	376200 Datum: AGD84	**Drainage:**	Rapidly drained

Geology

ExposureType:	Soil pit	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Footslope	**Slope Category:**	No Data
Slope:	2 %	**Aspect:**	90 degrees

Surface Soil Condition

Loose

Erosion:

Soil Classification

Australian Soil Classification:
Basic Arenic Bleached-Orthic Tenosol

ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site

Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse

Profile

Ap 0 - 0.16 m Dark grey (2.5Y4/1-Moist); ; Sand; Single grain grade of structure; Moist; Field pH 5 (pH meter); Many, fine (1-2mm) roots; Gradual, Wavy change to -

A21 0.16 - 0.7 m Light brownish grey (2.5Y6/2-Moist); ; Sand; Single grain grade of structure; Dry; Field pH 5.6 (pH meter); Common, fine (1-2mm) roots; Diffuse change to -

A22 0.7 - 1.35 m Light grey (2.5Y7/2-Moist); ; Sand; Single grain grade of structure; Dry; Very weak consistence; Field pH 5.5 (pH meter); Few, fine (1-2mm) roots; Gradual, Wavy change to -

B2w 1.35 - 2 m Pale yellow (2.5Y7/3-Moist); Mechanical, 2.5Y72, 2-10% , 5-15mm, Faint; Sand; Single grain grade of structure; Moist; Very weak consistence; Field pH 5.7 (pH meter);

C 2 - 3 m Light grey (2.5Y7/2-Moist); ; Sand;

Morphological Notes

A21 Moist to 30 cm

Observation Notes

Site Notes

Basic Arenic Bleached-Orthic Tenosol

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.16	4.5B 5.4H	2B	0.82H	0.1	0.04	0.05	0.04J		1.01D	
0 - 0.16	4.5B 5.4H	2B	0.82H	0.1	0.04	0.05	0.04J		1.01D	
0.06 - 0.1										
0.16 - 0.7	4.6B 5.2H	1B	0.14H	<0.02	<0.02	0.07	0.02J		0.23D	
0.16 - 0.7	4.6B 5.2H	1B	0.14H	<0.02	<0.02	0.07	0.02J		0.23D	
0.25 - 0.29										
0.56 - 0.6										
0.7 - 1.35	4.6B 5.3H	0B	0.04H	<0.02	<0.02	0.05	0.02J		0.11D	
0.7 - 1.35	4.6B 5.3H	0B	0.04H	<0.02	<0.02	0.05	0.02J		0.11D	
0.88 - 0.92										
1.35 - 2	4.7B 5.1H	0B	0.05H	<0.02	<0.02	0.03	0.03J		0.1D	
1.35 - 2	4.7B 5.1H	0B	0.05H	<0.02	<0.02	0.03	0.03J		0.1D	
1.41 - 1.45										
2 - 3	4.8B 5.4H	0B	0.07H	<0.02	<0.02	0.04	0.04J		0.13D	
2 - 3	4.8B 5.4H	0B	0.07H	<0.02	<0.02	0.04	0.04J		0.13D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.16		0.47D		50B	0.027E						1.5
0.8											
0 - 0.16		0.47D		50B	0.027E						1.5
0.8											
0.06 - 0.1							1.55				
0.16 - 0.7		0.1D		33B	0.005E						1.2
0.5											
0.16 - 0.7		0.1D		33B	0.005E						1.2
0.5											
0.25 - 0.29							1.51				
0.56 - 0.6							1.59				
0.7 - 1.35		0.05D		28B	0.003E						1.1
0.5											
0.7 - 1.35		0.05D		28B	0.003E						1.1
0.5											
0.88 - 0.92							1.54				
1.35 - 2		0.04D		38B	0.003E						1
0.8											
1.35 - 2		0.04D		38B	0.003E						1
0.8											
1.41 - 1.45							1.61				
2 - 3		0.04D		53B	0.002E						0.4
0.5											
2 - 3		0.04D		53B	0.002E						0.4
0.5											

Laboratory Analyses Completed for this profile

15_NR_BSa Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available

15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts

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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
18A1_NR	Bicarbonate-extractable potassium (not recorded)
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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)
P3A_NR	Bulk density - Not recorded