

Project Name: Dandaragan land resources survey
Project Code: DAN **Site ID:** 0845 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Ted (E.A.) Griffin	Locality:	
Date Desc.:	13/05/96	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6646521 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	363660 Datum: AGD84	Drainage:	Imperfectly 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	1 %	Aspect:	225 degrees

Surface Soil Condition Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Mesotrophic Yellow Chromosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	N/A

No analytical data are available but confidence is fair.

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

Vegetation:

Surface Coarse

Profile

A1h	0 - 0.05 m	Black (7.5YR2/1-Moist); ; Loamy fine sand; Single grain grade of structure; 0-2%, Ironstone, coarse
A3	0.05 - 0.1 m	Dark brown (7.5YR3/3-Moist); ; Loamy fine sand; Single grain grade of structure; 2-10%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Strongly water repellent, "Field pH 5.5 (pH meter); Clear, Smooth change to -
B21c	0.1 - 0.4 m	Pink (7.5YR7/4-Moist); ; Single grain grade of structure; 20-50%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 5.6 (pH meter); Clear, Smooth change to -
B22t	0.4 - 1 m	Brownish yellow (10YR6/8-Moist); , 10YR82, 2-10% , 5-15mm, Distinct; , 2.5YR56, 0-2% , 0-5mm, Distinct; Fine sandy clay loam; Massive grade of structure; Very firm consistence; 2-10%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; 0-2%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 6.2 (pH meter);

Morphological Notes

B21c	Clayey fine sandy gravel
B22t	Mottle abundance increases with depth

Observation Notes

Site Notes

Project Name: Dandaragan land resources survey
Project Code: DAN **Site ID:** 0845 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
-------	----	--------	----------------------	--------------	-----	------	-----

		Ca	Mg	K	Na	Acidity		
m	dS/m				Cmol (+)/kg			%
0 - 0.05	5.4B 6.2H	22B	7.04H	1.62	0.91	0.37	0.02J	9.94D
0 - 0.05	5.4B 6.2H	22B	7.04H	1.62	0.91	0.37	0.02J	9.94D
0.05 - 0.1	4.7B 5.5H	15B	1.51H	0.34	0.42	0.24	0.09J	2.51D
0.05 - 0.1	4.7B 5.5H	15B	1.51H	0.34	0.42	0.24	0.09J	2.51D
0.1 - 0.4	4.6B 5.7H	2B	0.26H	0.17	0.09	0.09	0.07J	0.61D
0.1 - 0.4	4.6B 5.7H	2B	0.26H	0.17	0.09	0.09	0.07J	0.61D
0.4 - 0.7	5.8B 6.2H	7B	1.52H	2.82	0.12	0.43	<0.02J	4.89D
0.4 - 0.7	5.8B 6.2H	7B	1.52H	2.82	0.12	0.43	<0.02J	4.89D
0.7 - 1.1	5.9B 6.2H	7B	1.22H	2.82	0.11	0.44	0.02J	4.59D
0.7 - 1.1	5.9B 6.2H	7B	1.22H	2.82	0.11	0.44	0.02J	4.59D

Depth m	CaCO3 %	Organic C Clay %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particle GV CS	Size FS	Analysis Silt
0 - 0.05 2.6		4.28D		424B	0.381E					3
0 - 0.05 2.6		4.28D		424B	0.381E					3
0.05 - 0.1 3.5		1.32D		196B	0.124E					4
0.05 - 0.1 3.5		1.32D		196B	0.124E					4
0.1 - 0.4 4.4		0.12D		82B	0.015E					5.2
0.1 - 0.4 4.4		0.12D		82B	0.015E					5.2
0.4 - 0.7 35.3		0.05D		50B	0.012E					5.1
0.4 - 0.7 35.3		0.05D		50B	0.012E					5.1
0.7 - 1.1 36		0.03D		46B	0.009E					4.6
0.7 - 1.1 36		0.03D		46B	0.009E					4.6

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMd	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
18A1_NR	Bicarbonate-extractable potassium (not recorded)
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded

Project Name: Dandaragan land resources survey
Project Code: DAN **Site ID:** 0845 **Observation** 1
Agency Name: Agriculture Western Australia

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)