Project Name: Project Code: Agency Name:	Dandaragan land resources DAN Site ID: Agriculture Western Austra	0852 Obse	rvation ID: 1					
Easting/Lat.:	B. Purdie 16/05/96 6606398 AMG zone: 50 378861 Datum: AGD84	Rainfall: No Runoff: No	Data Data Data perfectly drained					
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Parent. Substrate Material:	/at.: No Data No Data					
<u>Land Form</u> Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type: Lo	w hills					
Morph. Type: Elem. Type: Slope: <u>Surface Soil Co</u>	Mid-slope Hillslope 9 % <u>ndition</u> Firm	Slope Category: N	o Data o Data 0 degrees					
<u>Erosion:</u> Soil Classificati	on							
ASC Confidence	ic Black Chromosol	Great Soi	Profile Form: N/A					
<u>Site</u> <u>Vegetation:</u>	Complete clearing. Pasture, nat		ed at some stage					
<u>Surface Coarse</u> Profile								
A1 0 - 0.1 m grade of	A1 0 - 0.1 m Dark reddish brown (5YR3/2-Moist); Mottles, 5YR58, 2-10% , 0-5mm, Faint; Loam; Wea							
Wavy change to -	structure, 50-100 mm, Platy	r; Rough-ped fabric; Mois	t; Field pH 6.1 (pH meter); Clea	r,				
B21w 0.1 - 0.3 r Firm	n Dark reddish brown (5YR3/2	2-Moist); ; Sandy clay loa	m; Massive grade of structure;	Moist;				
Field pH 6.4 (pH	consistence; 2-10%, fine gra	consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments;						
	meter); Gradual, Smooth ch	meter); Gradual, Smooth change to -						
B22w 0.3 - 0.5 r Massive grade	n Dark reddish brown (5YR2/2	Dark reddish brown (5YR2/2-Moist); Mottles, 5YR58, 2-10% , 0-5mm, Faint; Silty loam;						
Ironstone, coarse	of structure; Moist; Weak co	of structure; Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded,						
	C	fragments; Field pH 6.4 (pH meter); Clear, Smooth change to -						
B23wc 0.5 - 0.8 r 2-6mm,	Ύ,	Dark brown (7.5YR3/2-Moist); ; Massive grade of structure; Moist; 20-50%, fine gravelly,						
subrounded, Ironsto	ne,	subrounded, Ironstone, coarse fragments; 20-50%, medium gravelly, 6-20mm,						
_	coarse fragments; Field pH		Ũ					
2B24wc 0.8 - 1 m grade of		Very dark grey (7.5YR3/1-Moist); Mottles, 5YR46, 20-50% , 0-5mm, Distinct; Massive						
10-20%,			unded, Ironstone, coarse fragme					
meter); Gradual,	medium gravelly, 6-20mm,	subrounded, Ironstone, c	oarse fragments; Field pH 6.7 (p	pН				
	Smooth change to -							
2B25w 1 - 1.4 m firm	Dark reddish brown (5YR3/2	2-Moist); ; Heavy clay; M	assive grade of structure; Moist;	; Very				
	consistence; Field pH 6.6 (p	,	C C					
2BC5w 1.4 - 2 m (0 - 2 %),	Dark olive grey (5Y3/2-Mois	it); ; Heavy clay; Massive	grade of structure; Moist; Very	few				
	Unidentified, Medium (2 -6 I	mm), Soft segregations;	Field pH 7.4 (pH meter);					

2C 10 %), 2 - 2.3 m Dark olive grey (5Y3/2-Moist); ; Heavy clay; Massive grade of structure; Moist; Few (2 -

Unidentified, Medium (2 -6 mm), Soft segregations; Field pH 8.1 (pH meter);

Morphological NotesB23wcWeakly clayey fine sand2B24wctexture code was C **Observation Notes**

Site Notes

Project Name:Dandaragan land resources surveyProject Code:DANSite ID:0852Agency Name:Agriculture Western Australia

Observation ID: 1

gravel from all horizons is very dark red--photos also include roll 18; 18-4 possibly Melanic-Vertic Mesotrophic Black Chromosol or a Sodosol

Project Name:	Dandaragan lan	d resource	s survey			
Project Code:	DAN	Site ID:	0852	Observation	1	
Agency Name:	Agriculture Western Australia					

Laboratory Test Results:

Depth	рН	1:5 EC	Ex	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	wg	ĸ		(+)/kg			%
0 - 0.1	4.6B 5.4H	20B	5.69H	3.29	0.9	1.14	0.39J		11.02D	
0 - 0.1	4.6B 5.4H	20B	5.69H	3.29	0.9	1.14	0.39J		11.02D	
0.01 - 0.05										
0.1 - 0.3	4.9B 6.4H	6B	3.39H	5	0.63	1.35	0.27J		10.37D	
0.1 - 0.3	4.9B 6.4H	6B	3.39H	5	0.63	1.35	0.27J		10.37D	
0.25 - 0.29										
0.3 - 0.5	4.9B 6.4H	5B	2.39A	5.46	1.07	1.26			10.18D	
0.3 - 0.5	4.9B 6.4H	5B	2.39A	5.46	1.07	1.26			10.18D	
0.33 - 0.37										
0.5 - 0.8	5B 6.6H	4B	1.68A	4.31	0.96	1.02			7.97D	
0.5 - 0.8	5B 6.6H	4B	1.68A	4.31	0.96	1.02			7.97D	
0.8 - 1	5.4B 6.6H	13B	3.03A	9.07	1.59	3.43			17.12D	
0.8 - 1	5.4B 6.6H	13B	3.03A	9.07	1.59	3.43			17.12D	
1 - 1.4	5.6B 6.6H	22B	5.04A	14.4	1.84	4.97			26.25D	
1 - 1.4	5.6B 6.6H	22B	5.04A	14.4	1.84	4.97			26.25D	
1.08 - 1.12										
1.4 - 2	6.2B 6.9H	45B	8.32A	22.5	2.86	9.2			42.88D	
1.4 - 2	6.2B 6.9H	45B	8.32A	22.5	2.86	9.2			42.88D	
1.9 - 1.94										
2 - 2.3	7.8B 8.7H	44B	7.43E	19.18	2.18	8.2		39B	36.99D	21.03
2 - 2.3	7.8B 8.7H	44B	7.43E	19.18	2.18	8.2		39B	36.99D	21.03

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 9.6		4.06D		1920B	0.408E						9.3
0 - 0.1 9.6		4.06D		1920B	0.408E						9.3
0.01 - 0.05							1.17				
0.1 - 0.3		0.76D		2008B	0.099E						7.8
15											
0.1 - 0.3		0.76D		2008B	0.099E						7.8
15											
0.25 - 0.29							1.45				
0.3 - 0.5		0.53D		2026B	0.084E						7.5
16.7											
0.3 - 0.5		0.53D		2026B	0.084E						7.5
16.7											
0.33 - 0.37							1.46				

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0.5 - 0.8 9.2	0.24D	1341B	0.052E			1.9
0.5 - 0.8 9.2	0.24D	1341B	0.052E			1.9
0.8 - 1 45	0.2D	2359B	0.055E			3.4
0.8 - 1 45	0.2D	2359B	0.055E			3.4
1 - 1.4 35.7	0.15D	2037B	0.038E			5.1
1 - 1.4 35.7	0.15D	2037B	0.038E			5.1
1.08 - 1.12	0.45	00770	0.0055	1.64		
1.4 - 2 46.7	0.1D	2977B	0.025E			6.6
1.4 - 2 46.7	0.1D	2977B	0.025E			6.6
1.9 - 1.94				1.42		
2 - 2.3 45.4	7C 0.08D	5946B	0.019E			5.6
2 - 2.3 45.4	7C 0.08D	5946B	0.019E			5.6

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15A1_CA for soluble	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_CEC 15A1_K for soluble	salts Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15C1_CA pretreatment for	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
15C1_CEC 15C1_K soluble salts	soluble salts CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15E1_AL 15E1_CA salts	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K 15E1_MG 15E1_MN 15E1_NA 15E1_NA 15J_BASES	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
15N1_a 15N1_b 18A1_NR	and measured clay Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded)

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Project Code:	DAN	Site ID:	0852
Agency Name:	Agriculture West	ern Austra	lia

Observation

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P10_gt2m> 2mm particle size analysis, (method not recorded)P10_NR_CClay (%) - Not recordedP10_NR_SaaSand (%) - Not recorded arithmetic difference, auto generatedP10_NR_ZSilt (%) - Not recordedP10106_150106 to 150u particle size analysis, (method not recorded)P10150_180150 to 180u particle size analysis, (method not recorded)P10300_600300 to 600u particle size analysis, (method not recorded)P106001000600 to 1000u particle size analysis, (method not recorded)P3A_NRBulk density - Not recorded