Project Name: Project Code: Agency Name:	Dandaragan land resourd DAN Site ID: Agriculture Western Aus	0421 C	Observation ID:	1						
Date Desc.: Map Ref.: Northing/Long.:	1 Ted (E.A.) Griffin 21/08/95 6562858 AMG zone: 50 411959 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data Well drained							
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Materia								
Land Form Rel/Slope Class:	Undulating low hills 30-90m 3-1	0% Pattern Type:	Low hills							
Morph. Type: Elem. Type: Slope: Surface Soil Co	Mid-slope Hillslope 7 % ndition	Relief: Slope Category: Aspect:	No Data No Data 135 degrees							
Erosion:										
Soil Classification	on									
Australian Soil Cla Haplic Petroferric Y ASC Confidence:	ellow Chromosol	Princ	ing Unit: ipal Profile Form: Soil Group:	N/A N/A N/A						
•	are available but confidence is fa		Control of a control of a							
<u>Site</u> Vegetation:	Complete clearing. Pasture, i	native or improved, cul	tivated at some stag	e						
Surface Coarse										
A1 0 - 0.05 m prominent) fabric;		,	-							
Field pH 6.2 (pH	Moist; 50-90%, medium	Moist; 50-90%, medium gravelly, 6-20mm, subangular, Ironstone, coarse fragments;								
	meter); ManyAbrupt, Irreg	meter); ManyAbrupt, Irregular change to -								
B21 0.05 - 0.4 grade of structure;	5 m Brownish yellow (10YR6/	Brownish yellow (10YR6/8-Moist); , 2.5YR46, 2-10% , 5-15mm, Distinct; Single grain								
Nodular;		Sandy (grains prominent) fabric; Moist; Firm consistence; Ferricrete, Strongly cemented,								
	FewClear, Wavy change	FewClear, Wavy change to -								
B22 0.45 - 0.8 Sandy loam;		,								
meter); FewDiffuse	Massive grade of structur	Massive grade of structure; Sandy (grains prominent) fabric; Moist; Field pH 6.4 (pH change to -								
Cr 0.8 - 1.5 n	m Yellow (10YR7/6-Moist);	, 2.5YR72, 20-50% , 5·	-15mm, Faint; , 10R4	46, 2-10% , 15-30mm,						
Prominent;	Fine sandy clay loam; Ma	Fine sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Moist;								
Field pH 6.2	(pH meter); FewDiffuse c	(pH meter); FewDiffuse change to -								
Cr 1.5 - 2 m	Pale red (2.5YR7/2-Moist	0	15-30mm, Faint; , 10	0R46, 20-50% , 15-						
30mm, Prominent;	Fine sandy loam; Massiv	ve grade of structure; S	Sandy (grains promin	nent) fabric; Moist;						
Field pH 5.8 (pH	meter);	meter);								
Morphological N	Notes									
A1	Fine sandy loamy gravel - 2,abundance 70%, ironsto	one, sub-rounded)								
B21 30cm)	Moderately cemented sub	-rounded to sub-angul	ar lateritic gravel th	nickness varies (20-						
grades to	may have clear root chan		bam and even horizo	ontal layers of sand						
B22	layer 3 becoming less gra Clearly platy segregations		ers: grey sand, soft y	vellowish and firm						

reddish	
	some vertical root channels
Cr channels	Clear horiz. fine striations from weath rocksome pale platy mottlessome distinct root
	(filled with sand grading to clay at depth)root channels surrounded by mott zone up to
1cm from	
	edge of channelgrading to paler layer 5
Cr this layer	Predominately pale mottlespale bands alternate with layers of dark red (more clayey)
· · · / ·	has distinct structure of weathered rock

Observation Notes

Project Name:	Dandaragan lan	d resource	s survey		
Project Code:	DAN	Site ID:	0421	Observation ID:	1
Agency Name:	Agriculture Wes	tern Austr	alia		

Site Notes

sampled: 421a-e

Project Name:	Dandaragan lan	d resource	s survey		
Project Code:	DAN	Site ID:	0421	Observation	1
Agency Name:	Agriculture Wes	tern Austra	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Ex: Ca	changeab Mg	ole Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	<u>u</u>	ing	i.		(+)/kg			%
0 - 0.05	4.2B 4.8H	18B	2.49H	0.34	0.14	0.05	0.36J		3.02D	
0 - 0.05	4.2B 4.8H	18B	2.49H	0.34	0.14	0.05	0.36J		3.02D	
0.05 - 0.45	5.4B 6.1H	3B	1.67H	0.74	0.12	0.08	<0.02J		2.61D	
0.05 - 0.45	5.4B 6.1H	3B	1.67H	0.74	0.12	0.08	<0.02J		2.61D	
0.45 - 0.8	5.4B 6.3H	2B	1.53H	1.24	0.06	0.13	<0.02J		2.96D	
0.45 - 0.8	5.4B 6.3H	2B	1.53H	1.24	0.06	0.13	<0.02J		2.96D	
0.8 - 1.5	5.6B 6.2H	3B	1.11H	1.84	0.04	0.19	<0.02J		3.18D	
0.8 - 1.5	5.6B 6.2H	3B	1.11H	1.84	0.04	0.19	<0.02J		3.18D	
1.5 - 2	5.2B 5.8H	4B	0.27H	2.16	<0.02	0.23	<0.02J		2.67D	
1.5 - 2	5.2B 5.8H	4B	0.27H	2.16	<0.02	0.23	<0.02J		2.67D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Size FS	Analysis Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3		%	
0 - 0.05 3.6		1.38D		115B	0.093E					4.3
0 - 0.05 3.6		1.38D		115B	0.093E					4.3
0.05 - 0.45 9.8		0.19D		46B	0.014E					4.7
9.0 0.05 - 0.45 9.8		0.19D		46B	0.014E					4.7
0.45 - 0.8 16.6		0.17D		29B	0.013E					6.2
0.45 - 0.8 16.6		0.17D		29B	0.013E					6.2
0.8 - 1.5 34.5		0.11D		23B	0.009E					10.4
0.8 - 1.5		0.11D		23B	0.009E					10.4
34.5 1.5 - 2		0.05D		26B	0.004E					11.9
26.4 1.5 - 2 26.4		0.05D		26B	0.004E					11.9

Laboratory Analyses Completed for this profile

Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts 15_NR_BSa 15_NR_CMR 15E1_AL

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
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4B_AL_NR 4B1 6A1_UC 7A1 9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_gt2m P10_NR_C P10_NR_C P10_NR_Z P10106_150 P10180_300 P106001000	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method Total nitrogen - semimicro Kjeldahl, steam distillation Total Phosphorus (ppm) - semimicro kjeldahl, automated colour Bicarbonate-extractable phosphorus (not recorded) Anion storage capacity 1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (method not recorded) 75 to 106u particle size analysis, (method not recorded) > 2mm particle size analysis, (method not recorded) Clay (%) - Not recorded Sand (%) - Not recorded 31t (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 300 to 600u particle size analysis, (method not recorded) 600 to 1000u particle size analysis, (method not recorded)