

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0020 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Henry Smolinski	Locality:	
Date Desc.:	19/03/97	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6394783 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	449015 Datum: AGD84	Drainage:	No Data

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	6 %	Aspect:	270 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Ferric Mottled-Subnatric Yellow Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site

Vegetation:

Surface Coarse

Profile

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; 50-90%, rounded, Ironstone, coarse fragments; Field pH 6 (pH meter);
A12	0.1 - 0.4 m	Brownish yellow (10YR6/6-Moist); ; Loamy sand; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Field pH 6.5 (pH meter);
B1	0.4 - 0.6 m	Brownish yellow (10YR6/8-Moist); ; Sandy loam; Weak grade of structure, 2-5 mm, Granular; 50-90%, fine gravelly, 2-6mm, Ironstone, coarse fragments; Field pH 7 (pH meter);
B2	0.6 - 1.2 m	Brownish yellow (10YR6/8-Moist); , 2.5YR36, 10-20% , Distinct; , 10YR83, 10-20% , Faint; Clay loam; Massive grade of structure; Weak grade of structure, Platy; Many (20 - 50 %), Ferruginous, , ; Field pH 7 (pH meter);

Morphological Notes

B2 Bands of Fe

Observation Notes

Site Notes

changed from 464 (yellow sandy earth) to 301 (deep sandy gravel) on 8/11/2000---really it is 703

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0020 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5B 6H	7B	9.3H	3.53	0.31	0.26	0.29J		13.4D	
0 - 0.1	5B 6H	7B	9.3H	3.53	0.31	0.26	0.29J		13.4D	
0.1 - 0.4	5.2B 6.7H	3B	1.04A	0.9	0.1	0.23			2.27D	
0.1 - 0.4	5.2B 6.7H	3B	1.04A	0.9	0.1	0.23			2.27D	
0.4 - 0.6	5.2B 6.5H	4B	2.48H	1.99	0.13	0.17	0.07J		4.77D	
0.4 - 0.6	5.2B 6.5H	4B	2.48H	1.99	0.13	0.17	0.07J		4.77D	
0.6 - 1.2	6B 6.3H	5B	0.47H	1.28	0.11	0.17			2.03D	
0.6 - 1.2	6B 6.3H	5B	0.47H	1.28	0.11	0.17			2.03D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		7.06D		120B	0.198E			
4								
0 - 0.1		7.06D		120B	0.198E			
4								
0.1 - 0.4		1.12D		46B	0.03E			
16.2								
0.1 - 0.4		1.12D		46B	0.03E			
16.2								
0.4 - 0.6		1.49D		50B	0.04E			
24.4								
0.4 - 0.6		1.49D		50B	0.04E			
24.4								
0.6 - 1.2		0.28D		42B	0.013E			
44.6								
0.6 - 1.2		0.28D		42B	0.013E			
44.6								

Laboratory Analyses Completed for this profile

15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
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
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
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

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0020 **Observation** 1
Agency Name: Agriculture Western Australia

15L1_a	Exchangeable bases	Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations		and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC	
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	
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	
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)	