

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0017 **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.:	6345425 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	466228 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:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	8 %	Aspect:	90 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Ferric 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; , Granular; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments;
A22	0.1 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Loamy sand; , Granular; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; 20-50%, medium gravelly, 6-20mm, Ironstone, coarse fragments;
B2	0.5 - 1 m	Yellow (10YR7/8-Moist); , 5YR56, 10-20% ; , 10YR82, 10-20% ; Sandy light clay; 20-50 mm, Columnar;

Morphological Notes

Observation Notes

Site Notes

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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	4.9B 6H	3B	10.21H	1.78	0.07	0.12	0.29J		12.18D	
0 - 0.1	4.9B 6H	3B	10.21H	1.78	0.07	0.12	0.29J		12.18D	
0.1 - 0.5	5.3B 6.7H	1B	1.34A	0.64	0.04	<0.02			2.03D	
0.1 - 0.5	5.3B 6.7H	1B	1.34A	0.64	0.04	<0.02			2.03D	
0.5 - 1	4.7B 5H	32B	0.36H	1.64	0.08	0.3	0.08J		2.38D	
0.5 - 1	4.7B 5H	32B	0.36H	1.64	0.08	0.3	0.08J		2.38D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		6.92D		100B	0.17E			
4.4								
0 - 0.1		6.92D		100B	0.17E			
4.4								
0.1 - 0.5		0.67D		30B	0.02E			
6.3								
0.1 - 0.5		0.67D		30B	0.02E			
6.3								
0.5 - 1		0.2D		24B	0.007E			
45.9								
0.5 - 1		0.2D		24B	0.007E			
45.9								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - 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
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
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

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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)