

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0013 **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.:	6365232 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	438087 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:	Simple-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	5 %	Aspect:	45 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Ferric Orthic Tenosol		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	Dark brown (10YR3/3-Moist); ; Loamy sand; Single grain grade of structure; 50-90%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Field pH 6 (pH meter); Clear change to -
A12	0.1 - 0.5 m	Strong brown (7.5YR5/6-Moist); ; Sand; Single grain grade of structure; 50-90%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Field pH 6.5 (pH meter); Diffuse change to -
A13	0.5 - 1.2 m	Yellowish brown (10YR5/6-Moist); ; Sand; Single grain grade of structure; 50-90%, fine gravelly, 2-6mm, Ironstone, coarse fragments; Field pH 6.5 (pH meter);

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	4.7B 6H	4B	3H	0.82	0.14	0.23	1.2J		4.19D	
0 - 0.1	4.7B 6H	4B	3H	0.82	0.14	0.23	1.2J		4.19D	
0.1 - 0.5	5.8B 6.4H	2B	0.39H	0.19	0.02	<0.02	0.03J		0.61D	
0.1 - 0.5	5.8B 6.4H	2B	0.39H	0.19	0.02	<0.02	0.03J		0.61D	
0.5 - 1	6B 6.6H	1B	0.22A	0.13	0.02	<0.02			0.38D	
0.5 - 1	6B 6.6H	1B	0.22A	0.13	0.02	<0.02			0.38D	

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		4.46D		170B	0.119E			
3.5								5.5
0 - 0.1		4.46D		170B	0.119E			5.5
3.5								
0.1 - 0.5		0.28D		64B	0.013E			6.2
4.9								
0.1 - 0.5		0.28D		64B	0.013E			6.2
4.9								
0.5 - 1		0.18D		85B	0.013E			3.4
2.3								
0.5 - 1		0.18D		85B	0.013E			3.4
2.3								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMb	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)