

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0016 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Henry Smolinski	Locality:	
Date Desc.:	10/03/97	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6369810 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	430010 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:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	6 %	Aspect:	135 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mesotrophic Grey Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
No analytical data and little or no knowledge of this soil.			

Site

Vegetation:

Surface Coarse

Profile

A11	0 - 0.1 m	Yellowish brown (10YR5/4-Moist); Dark brown (10YR3/3-Moist); ; Loamy sand; Single grain grade of
		structure; 2-10%, medium gravelly, 6-20mm, subrounded, Ferricrete, coarse fragments;
Clear, Smooth		change to -
A12	0.1 - 0.4 m	Dark yellowish brown (10YR4/6-Moist); ; Loamy sand; Single grain grade of structure; 2-
10%, medium		gravelly, 6-20mm, subrounded, Ferricrete, coarse fragments; Diffuse, Smooth change to -
A13	0.4 - 0.9 m	Dark yellowish brown (10YR4/6-Moist); ; Loamy sand; Single grain grade of structure; 2-
10%, medium		gravelly, 6-20mm, subrounded, Ferricrete, coarse fragments; Abrupt change to -
B	0.9 - 1.2 m	; Massive grade of structure; Abrupt change to -
C	1.2 - 1.6 m	White (10YR8/2-Moist); , 10YR58, 10-20% , 30-mm, Distinct; Sandy clay loam; Massive
grade of		structure; Sandy (grains prominent) fabric;

Morphological Notes

B BIO with thin bleach

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				%
0.01 - 0.1	5B 6.1H	4B	5.55H	1.64	0.16	0.19	0.43J		7.54D	
0.01 - 0.1	5B 6.1H	4B	5.55H	1.64	0.16	0.19	0.43J		7.54D	
0.1 - 0.4	5.2B 6.3H	2B	0.42H	1.09	0.09	0.09	0.02J		1.69D	
0.1 - 0.4	5.2B 6.3H	2B	0.42H	1.09	0.09	0.09	0.02J		1.69D	
0.4 - 0.9	5.1B 6.1H	3B	0.43H	0.8	0.03	0.12	0.04J		1.38D	
0.4 - 0.9	5.1B 6.1H	3B	0.43H	0.8	0.03	0.12	0.04J		1.38D	
0.9 - 1.2	4.3B 5.1H	2B	0.2H	0.27	<0.02	<0.02	0.34J		0.49D	
0.9 - 1.2	4.3B 5.1H	2B	0.2H	0.27	<0.02	<0.02	0.34J		0.49D	

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
0.01 - 0.1		4.93D		130B	0.159E			
5								
0.01 - 0.1		4.93D		130B	0.159E			
5								
0.1 - 0.4		0.81D		65B	0.046E			
13.2								
0.1 - 0.4		0.81D		65B	0.046E			
13.2								
0.4 - 0.9		0.77D		65B	0.041E			
13.1								
0.4 - 0.9		0.77D		65B	0.041E			
13.1								
0.9 - 1.2		0.21D		23B	0.009E			
16.5								
0.9 - 1.2		0.21D		23B	0.009E			
16.5								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - 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
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
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

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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)