

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0015 **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.:	6367690 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	424355 Datum: AGD84	Drainage:	No Data

Geology

ExposureType:	No Data	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:	Simple-slope	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	30 %	Aspect:	90 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Ferric Mesotrophic Red Dermosol		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 reddish brown (5YR3/3-Moist); ; Loam; 2-5 mm, Granular; Moist; 20-50%, fine gravelly, 2-6mm,
		subrounded, Ironstone, coarse fragments; Gradual, Wavy change to -
A12	0.1 - 0.4 m	Dark yellowish brown (10YR4/6-Moist); ; Sandy clay loam; 20-50 mm, ; Moderately moist; 20-50%, fine
		gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Gradual, Wavy change to -
B2	0.4 - 0.9 m	Red (2.5YR4/6-Moist); ; Clay loam; 20-50 mm, Angular blocky; 2-5 mm, Polyhedral; Moderately moist;
		20-50%, medium gravelly, 6-20mm, subrounded, Igneous rock (unidentified), coarse fragments; 10-20%,
		fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Clear, Irregular change to -
C	0.9 - 1.6 m	Reddish yellow (7.5YR6/8-Moist); , 5YR52, 10-20% , 0-5mm; Coarse sandy clay loam; 2-5 mm, Granular;
		Moist; 10-20%, medium gravelly, 6-20mm, Igneous rock (unidentified), coarse fragments;

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	5.7B 6.7H	4B	7.8A	3.02	0.39	0.18			11.39D	
0 - 0.1	5.7B 6.7H	4B	7.8A	3.02	0.39	0.18			11.39D	
0.1 - 0.4	5.8B 7H	2B	2.12A	1.39	0.27	0.09			3.87D	
0.1 - 0.4	5.8B 7H	2B	2.12A	1.39	0.27	0.09			3.87D	
0.4 - 0.9	5.8B 6.7H	2B	0.98A	0.93	0.28	0.1			2.29D	
0.4 - 0.9	5.8B 6.7H	2B	0.98A	0.93	0.28	0.1			2.29D	
0.9 - 1.6	5.7B 6.2H	2B	0.48H	0.92	0.11	0.12			1.63D	
0.9 - 1.6	5.7B 6.2H	2B	0.48H	0.92	0.11	0.12			1.63D	

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		4.42D		180B	0.149E				11.9
10.9									
0 - 0.1		4.42D		180B	0.149E				11.9
10.9									
0.1 - 0.4		0.97D		100B	0.042E				9.9
22.6									
0.1 - 0.4		0.97D		100B	0.042E				9.9
22.6									
0.4 - 0.9		0.31D		94B	0.017E				9.3
28.4									
0.4 - 0.9		0.31D		94B	0.017E				9.3
28.4									
0.9 - 1.6		0.12D		74B	0.007E				9.2
26.7									
0.9 - 1.6		0.12D		74B	0.007E				9.2
26.7									

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_CMRR	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_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_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

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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
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)