Project Name: **Comprehensive resource assessment for forestry**
Project Code: **CRA** **Site ID:** **0007** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Henry Smolinski	**Locality:**	
Date Desc.:	11/02/97	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6189471 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	548586 Datum: AGD84	**Drainage:**	No Data

Geology

ExposureType:	Soil pit	**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:	No Data	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	No Data

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Subnatric Yellow Sodosol
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site

Vegetation:

Surface Coarse

Profile

A11 0 - 0.07 m Very dark greyish brown (10YR3/2-Moist); ; Single grain grade of structure; 50-90%, coarse gravelly, 20-60mm, coarse fragments; Field pH 6 (pH meter);

A12 0.07 - 0.3 m Strong brown (7.5YR5/6-Moist); ; Massive grade of structure; 50-90%, coarse gravelly, 20-60mm, coarse fragments; Field pH 7 (pH meter);

A2 0.3 - 0.9 m Brownish yellow (10YR6/5-Moist); ; Loamy sand; Single grain grade of structure; 50-90%, cobbly, 60-200mm, coarse fragments; Field pH 6.5 (pH meter);

B21 0.9 - 1 m Brownish yellow (10YR6/8-Moist); ; Light medium clay; 20-50 mm, Angular blocky; 50-90%, coarse fragments; Field pH 6.5 (pH meter);

B22 1 - 1.2 m Very pale brown (10YR8/4-Moist); , 10YR48, 10-20% ; , 10YR68; Medium clay; 5-10 mm, Angular blocky; Field pH 6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.07	5.2B 6.1H	7B	5.06H	1.67	0.15	0.17	0.08J		7.05D	
0 - 0.07	5.2B 6.1H	7B	5.06H	1.67	0.15	0.17	0.08J		7.05D	
0 - 0.07	5.2B 6.1H	7B	5.06H	1.67	0.15	0.17	0.08J		7.05D	
0.07 - 0.3	5.7B 7H	3B	2.07A	1	0.22	0.12			3.41D	
0.07 - 0.3	5.7B 7H	3B	2.07A	1	0.22	0.12			3.41D	
0.07 - 0.3	5.7B 7H	3B	2.07A	1	0.22	0.12			3.41D	
0.4 - 0.5	5.4B 6.9H	2B	0.77A	0.96	0.1	0.17			2D	
0.4 - 0.5	5.4B 6.9H	2B	0.77A	0.96	0.1	0.17			2D	
0.4 - 0.5	5.4B 6.9H	2B	0.77A	0.96	0.1	0.17			2D	
0.9 - 1	5.7B 6.5H	10B	0.38H	4.34	0.03	0.63			5.38D	
0.9 - 1	5.7B 6.5H	10B	0.38H	4.34	0.03	0.63			5.38D	
0.9 - 1	5.7B 6.5H	10B	0.38H	4.34	0.03	0.63			5.38D	
0.9 - 1	5.7B 6.5H	10B	0.38H	4.34	0.03	0.63			5.38D	
1 - 1.2	5.7B 6H	40B	0.49H	5.07	0.05	0.99	0.02J		6.6D	
1 - 1.2	5.7B 6H	40B	0.49H	5.07	0.05	0.99	0.02J		6.6D	
1 - 1.2	5.7B 6H	40B	0.49H	5.07	0.05	0.99	0.02J		6.6D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.07		2.88D		92B	0.138E						3
3.5											
0 - 0.07		2.88D		92B	0.138E						3
3.5											
0 - 0.07		2.88D		92B	0.138E						3
3.5											
0.07 - 0.3		0.82D		48B	0.034E						3.2
3.9											
0.07 - 0.3		0.82D		48B	0.034E						3.2
3.9											
0.07 - 0.3		0.82D		48B	0.034E						3.2
3.9											
0.4 - 0.5		0.38D		38B	0.016E						2.8
7											
0.4 - 0.5		0.38D		38B	0.016E						2.8
7											
0.4 - 0.5		0.38D		38B	0.016E						2.8
7											
0.9 - 1		0.24D		49B	0.01E						5.2
37.9											
0.9 - 1		0.24D		49B	0.01E						5.2
37.9											
0.9 - 1		0.24D		49B	0.01E						5.2

37.9				
0.9 - 1	0.24D	49B	0.01E	5.2
37.9				
1 - 1.2	0.18D	42B	0.006E	3.6
60.3				

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1 - 1.2	0.18D	42B	0.006E	3.6
60.3				
1 - 1.2	0.18D	42B	0.006E	3.6
60.3				

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
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)