Project Name: **Comprehensive resource assessment for forestry**
Project Code: **CRA** **Site ID:** **0014** **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.:	6370782 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	424064 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:	No Data	**Slope Category:**	No Data
Slope:	%	**Aspect:**	No Data

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Dystrophic Yellow Chromosol

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 - 0.15 m Dark brown (7.5YR3/4-Moist); ; Sandy loam; Single grain grade of structure; 20-50%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; 10-20%, medium gravelly, 6-20mm, coarse fragments; Field pH 6 (pH meter); Gradual, Smooth change to -

A12 0.15 - 0.6 m Strong brown (7.5YR5/6-Moist); ; Clayey sand; Single grain grade of structure; 50-90%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 6.5 (pH meter); Diffuse, Smooth change to -

A13 0.6 - 1.3 m Yellowish brown (10YR5/8-Moist); ; Clayey sand; Single grain grade of structure; 50-90%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; 20-50%, coarse gravelly, 20-60mm, coarse fragments; Field pH 6.5 (pH meter); Clear, Wavy change to -

BC 1.3 - 1.6 m Brownish yellow (10YR6/8-Moist); , 2.5YR48, 2-10% ; Coarse sandy clay loam; Massive grade of structure; 20-50 mm, Angular blocky; Many (20 - 50 %), Ferruginous, , Concretions; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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Project Code: CRA Site ID: 0014 Observation 1
Agency Name: Agriculture Western Australia

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 - 0.15	5.3B 6.5H	3B	3.83A	1.77	0.14	0.13			5.87D	
0 - 0.15	5.3B 6.5H	3B	3.83A	1.77	0.14	0.13			5.87D	
0.15 - 0.6	6.1B 7H	2B	0.77A	0.49	0.08	0.03			1.37D	
0.15 - 0.6	6.1B 7H	2B	0.77A	0.49	0.08	0.03			1.37D	
0.6 - 1.3	5.8B 6.8H	1B	0.53A	0.47	0.06	0.04			1.1D	
0.6 - 1.3	5.8B 6.8H	1B	0.53A	0.47	0.06	0.04			1.1D	
1.3 - 1.6	5.8B 6.4H	2B	0.47H	0.83	0.05	0.06			1.41D	
1.3 - 1.6	5.8B 6.4H	2B	0.47H	0.83	0.05	0.06			1.41D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.15 8.7		3.88D		170B	0.122E						5.4
0 - 0.15 8.7		3.88D		170B	0.122E						5.4
0.15 - 0.6 14.2		0.43D		76B	0.02E						4.5
0.15 - 0.6 14.2		0.43D		76B	0.02E						4.5
0.6 - 1.3 18.6		0.34D		95B	0.02E						5.2
0.6 - 1.3 18.6		0.34D		95B	0.02E						5.2
1.3 - 1.6 30.8		0.25D		46B	0.01E						6.9
1.3 - 1.6 30.8		0.25D		46B	0.01E						6.9

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_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
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)