

Project Name: Comprehensive resource assessment for forestry
Project Code: CRA **Site ID:** 0018 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Henry Smolinski	Locality:
Date Desc.: 20/03/97	Elevation: No Data
Map Ref.:	Rainfall: No Data
Northing/Long.: 6376186 AMG zone: 50	Runoff: No Data
Easting/Lat.: 470421 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: Flat	Relief: No Data
Elem. Type: Bench	Slope Category: No Data
Slope: 1 %	Aspect: 270 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Ferric Mesotrophic Yellow Chromosol	Principal Profile Form: N/A
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

Site

Vegetation:

Surface Coarse

Profile

A11	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; 10YR58, 2-10% , 0-5mm, Faint; Clayey sand; Single grain structure; Sandy (grains prominent) fabric; Field pH 6 (pH meter);
A21	0.15 - 0.4 m	Light olive brown (2.5Y5/4-Moist); ; Clayey coarse sand; Massive grade of structure; prominent) fabric; Field pH 6 (pH meter);
A22	0.4 - 0.6 m	Light olive brown (2.5Y5/4-Moist); ; Clayey coarse sand; Massive grade of structure; prominent) fabric; 20-50%, coarse gravelly, 20-60mm, subrounded, Ferricrete, coarse fragments; Field pH 6 (pH meter);
B2	0.6 - 1 m	Yellowish brown (10YR5/8-Moist); ; Sandy light clay; Massive grade of structure; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

VALLEY FLOOR; Subsoil slightly ferruginous at top.

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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 - 0.15	4.5B 5.6H	2B	0.9H	0.23	0.08	0.02	0.51J		1.23D	
0 - 0.15	4.5B 5.6H	2B	0.9H	0.23	0.08	0.02	0.51J		1.23D	
0.15 - 0.6	4.9B 6.3H	1B	0.76H	0.34	0.07	0.02	0.07J		1.19D	
0.15 - 0.6	4.9B 6.3H	1B	0.76H	0.34	0.07	0.02	0.07J		1.19D	
0.6 - 1	5.7B 6.3H	2B	1.05H	2	0.03	0.1			3.18D	
0.6 - 1	5.7B 6.3H	2B	1.05H	2	0.03	0.1			3.18D	

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 - 0.15		1.63D		80B	0.075E			5.6
0 - 0.15		1.63D		80B	0.075E			5.6
0.15 - 0.6		0.29D		57B	0.019E			5.5
0.15 - 0.6		0.29D		57B	0.019E			5.5
0.6 - 1		0.1D		45B	0.011E			10.7
0.6 - 1		0.1D		45B	0.011E			10.7

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_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - 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
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

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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)