Project Name: **Chittering land resources survey**
Project Code: **CHT** **Site ID:** **0937** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	John Bessell-Browne	**Locality:**	
Date Desc.:	13/05/97	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6507399 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	408274 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:	No Data	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	%	**Aspect:**	No Data

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Basic Arenic Orthic Tenosol
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Uc5.22
Great Soil Group: N/A

Site

Vegetation:

Surface Coarse

Profile

A1 0 - 0.1 m Brown (10YR4/3-Moist); ; Loamy sand; Sandy (grains prominent) fabric; Dry; Very weak consistence; Field pH 6.2 (pH meter); Few, fine (1-2mm) roots;

B21w 0.1 - 0.4 m Yellowish brown (10YR5/6-Moist); ; Clayey sand; Dry; Weak consistence; Field pH 6.2 (pH meter); , fine (1-2mm) roots;

B22w 0.4 - 0.8 m Brownish yellow (10YR6/8-Moist); ; Clayey sand; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 6.3 (pH meter); Common

B23w 0.8 - 1.2 m Brownish yellow (10YR6/8-Moist); ; Clayey sand; Moderately moist; Weak consistence; Field pH 6.5 (pH meter); Common

B24wc 1.2 - 2 m Brownish yellow (10YR6/8-Moist); ; Clayey sand; Weak consistence; 2-10%, subrounded, Ironstone, coarse fragments; Field pH 6.6 (pH meter);

2 - m ; Clayey sand;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%

0 - 0.1	4.8B	6B	1.9H	0.41	0.12	0.1	0.14J		2.53D	
	5.6H									
0 - 0.1	4.8B	6B	1.9H	0.41	0.12	0.1	0.14J		2.53D	
	5.6H									
0 - 0.1	4.8B	6B	1.9H	0.41	0.12	0.1	0.14J		2.53D	
	5.6H									
0.02 - 0.07										
0.1 - 0.4	4.5B	5B	0.34H	0.1	0.12	0.07	0.18J		0.63D	
	5.4H									
0.1 - 0.4	4.5B	5B	0.34H	0.1	0.12	0.07	0.18J		0.63D	
	5.4H									
0.1 - 0.4	4.5B	5B	0.34H	0.1	0.12	0.07	0.18J		0.63D	
	5.4H									
0.2 - 0.25										
0.4 - 0.8	5B	3B	0.35H	0.1	0.12	0.06	0.02J		0.63D	
	5.9H									
0.4 - 0.8	5B	3B	0.35H	0.1	0.12	0.06	0.02J		0.63D	
	5.9H									
0.4 - 0.8	5B	3B	0.35H	0.1	0.12	0.06	0.02J		0.63D	
	5.9H									
0.56 - 0.61										
0.8 - 1.2	5.6B	2B	0.4H	0.21	0.09	0.02			0.72D	
	6.3H									
0.8 - 1.2	5.6B	2B	0.4H	0.21	0.09	0.02			0.72D	
	6.3H									
0.8 - 1.2	5.6B	2B	0.4H	0.21	0.09	0.02			0.72D	
	6.3H									
0.92 - 0.97										
1.2 - 2	5.8B	1B	0.33H	0.29	0.06	0.04			0.72D	
	6.4H									
1.2 - 2	5.8B	1B	0.33H	0.29	0.06	0.04			0.72D	
	6.4H									
1.2 - 2	5.8B	1B	0.33H	0.29	0.06	0.04			0.72D	
	6.4H									
1.3 - 1.35										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1		1.28D		99B	0.081E						1.5
3.6											
0 - 0.1		1.28D		99B	0.081E						1.5
3.6											
0 - 0.1		1.28D		99B	0.081E						1.5
3.6											
0.02 - 0.07							1.20				
0.1 - 0.4		0.27D		43B	0.018E						1.6
5.9											
0.1 - 0.4		0.27D		43B	0.018E						1.6
5.9											
0.1 - 0.4		0.27D		43B	0.018E						1.6
5.9											
0.2 - 0.25							1.60				
0.4 - 0.8		0.12D		28B	0.009E						1.6
7											
0.4 - 0.8		0.12D		28B	0.009E						1.6
7											
0.4 - 0.8		0.12D		28B	0.009E						1.6
7											

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0.56 - 0.61				1.50	
0.8 - 1.2	0.08D	27B	0.007E		1.6
9.9					
0.8 - 1.2	0.08D	27B	0.007E		1.6
9.9					
0.8 - 1.2	0.08D	27B	0.007E		1.6
9.9					
0.92 - 0.97				1.50	
1.2 - 2	0.06D	22B	0.005E		1.6
9.1					
1.2 - 2	0.06D	22B	0.005E		1.6
9.1					
1.2 - 2	0.06D	22B	0.005E		1.6
9.1					
1.3 - 1.35				1.60	

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_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
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)
P3A_NR	Bulk density - Not recorded