Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2376** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 31/10/97
Map Ref.:
Northing/Long.: 6274591 AMG zone: 50
Easting/Lat.: 548793 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Firm, Hardsetting

Erosion: (wind); (scald) (sheet) (wave) (rill) (mass) (gully) (stbank) (tunnel)

Soil Classification

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

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse

Profile

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Clayey coarse sand; Field pH 5.2 (pH meter);
A21	0.1 - 0.4 m	Brown (10YR5/3-Moist); ; Loamy coarse sand;
B11	0.4 - 0.6 m	Brownish yellow (10YR6/6-Moist); ; Coarse sandy clay loam;
B21	0.6 - 0.75 m	Light yellowish brown (2.5Y6/4-Moist); , 2.5YR48; Clay loam;
B22	0.75 - 0.9 m	Light brownish grey (2.5Y6/3-Moist); , 2.5YR36; Sandy clay loam;

Morphological Notes

Observation Notes

Site Notes

Penetrometer reading >6kg/cm. Very poor vegetation cover, compaction pan 7 - 15cm, rooting depth >20cm. Samples taken for chemical analysis.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	4.4B 5.6H	3B								
0.8 - 0.9	4.6B 5.4H	12B								

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 5.5	1.3D	0.086E	91.5I	3
0.8 - 0.9 78	0.18D		17.5I	4.5

Laboratory Analyses Completed for this profile

18A1_NR	Bicarbonate-extractable potassium (not recorded)
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
7C1a	Ammonium-N, in presence or absence of nitrite
7C1e	Nitrate-N, in presence of nitrite
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded