Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2364** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 30/10/97
Map Ref.:
Northing/Long.: 6274430 AMG zone: 50
Easting/Lat.: 548933 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 Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Brown 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 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Dry; Water repellent;
B21t	0.3 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Coarse sandy clay loam; Dry;

Morphological Notes

Observation Notes

Site Notes

Reasonable cover, could be wind problem late summer. Surface very hard, Penetrometer reading >6kg/cm; soils repellent but not strongly.
Like last site. A1 horizon very compacted. Samples taken 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	4.6B 5.7H	12B								
0.7 - 0.8	5.4B 5.9H	20B								

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 6		1.16D			0.085E				90I		4
0.7 - 0.8 25		0.09D							71.5I		3.5

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