Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2348** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Angela Stuart-Street	**Locality:**	
Date Desc.:	29/10/97	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6273555 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	548735 Datum: AGD84	**Drainage:**	Moderately well drained

Geology

ExposureType:	Auger boring	**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 Firm, Hardsetting

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

Soil Classification

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

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy loam; Dry; Firm consistence; Water repellent;

B11 0.1 - 0.35 m Strong brown (7.5YR5/6-Moist); ; Coarse sandy clay loam; Very strong consistence;

B21t 0.35 - 0.7 m Reddish yellow (7.5YR6/6-Moist); ; Light clay; Very firm consistence;

B22 0.7 - 0.8 m Reddish yellow (7.5YR6/6-Moist); , 10YR83, 10-20% , 5-15mm, Distinct; Light clay; Very firm consistence;

Morphological Notes

Observation Notes

Site Notes

Surface very hard. Penetrometer reading >6kg/cm. Surface cover good - no evidence of erosion. Water erosion may be a problem due to
hard surface increasing run off. Samples taken - pH & EC taken from those.

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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 - 0.1	5.2B 6H	6B								
0.7 - 0.8	5.1B 5.9H	6B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt

m	%	Clay %	mg/kg	%	%	%	Mg/m3	%	
0 - 0.1		2.92D			0.216E			80.5I	9
10.5									
0.7 - 0.8		0.25D						20.5I	13.5
66									

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