

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 2344 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Angela Stuart-Street  
**Date Desc.:** 29/10/97  
**Map Ref.:**  
**Northing/Long.:** 6273292 AMG zone: 50  
**Easting/Lat.:** 548711 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 Self-mulching, Hardsetting

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

#### Soil Classification

**Australian Soil Classification:**  
 Haplic 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** No surface coarse fragments; No surface coarse fragments

#### Profile

A11 0 - 0.3 m Very dark greyish brown (10YR3/2-Moist); ; Clayey coarse sand; Dry; Very weak consistence; Water repellent;  
 A21 0.3 - 0.55 m Grey (2.5Y6/1-Moist); ; Coarse sand; Dry; Very weak consistence;  
 B21t 0.55 - 0.75 m Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR58, 10-20% , 15-30mm, Distinct; Sandy medium clay; Moderately moist; Firm consistence; 10-20%, coarse fragments;  
 B22 0.75 - 0.85 m Brownish yellow (10YR6/6-Moist); ; Sandy light clay; Moderately moist; Weak consistence;

#### Morphological Notes

#### Observation Notes

#### Site Notes

Surface very firm - Penetrometer reading >6kg/cm. Cover is good, there may be a problem in late summer. Sample taken for analysis.

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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 - 0.1	5.1B	66B								
	5.6H									
0.75 - 0.85	5.1B	21B								
	5.8H									

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle Size Analysis
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		C Clay	P	P	N	K	Density	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 7		2.4D			0.187E				88l		5
0.75 - 0.85 28		0.07D							66.5l		5.5

#### **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