

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1573 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Jaki Hogstrom  
**Date Desc.:** 19/10/93  
**Map Ref.:**  
**Northing/Long.:** 6298830 AMG zone: 50  
**Easting/Lat.:** 497950 Datum: AGD84  
**Locality:**  
**Elevation:** 244 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** Well drained

#### Geology

**ExposureType:** Existing vertical exposure  
**Geol. Ref.:** No Data  
**Conf. Sub. is Parent. Mat.:** No Data  
**Substrate Material:** No Data

#### Land Form

**Rel/Slope Class:** No Data  
**Morph. Type:** Lower-slope  
**Elem. Type:** Footslope  
**Slope:** 3 %  
**Pattern Type:** No Data  
**Relief:** 5 metres  
**Slope Category:** No Data  
**Aspect:** 45 degrees

#### Surface Soil Condition Soft

**Erosion:** (wind); (sheet) (rill) (gully)

#### Soil Classification

**Australian Soil Classification:** N/A  
**ASC Confidence:** Confidence level not specified  
**Mapping Unit:** N/A  
**Principal Profile Form:** Dg4.82  
**Great Soil Group:** N/A

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

#### Vegetation:

**Surface Coarse** 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments

#### Profile

A1	0 - 0.1 m	Greyish brown (2.5Y5/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Loose
		consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Abrupt, Smooth change to -
A2e	0.1 - 0.35 m	Light brownish grey (2.5Y6/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
A3	0.35 - 0.5 m	Light grey (10YR7/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Loose
		consistence; 10-20%, medium gravelly, 6-20mm, subrounded, Granite, coarse fragments; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -
B2	0.5 - 0.6 m	Light grey (10YR7/2-Moist); Mottles, 10YR68, 20-50% , 0-5mm, Distinct; Light clay; Massive grade of coarse fragments; structure; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, Granite, Field pH 7.5 (Raupach);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Vertical exposure on roadside

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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				%

0.35 - 0.5	6.2B 7.1H	4B	0.58A	0.87	0.04	0.17			1.66D
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Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.35 - 0.5 10.5									87I		2.5
0.35 - 0.5 10.5									87I		2.5

#### **Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded