

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1757 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	16/06/94	Elevation:	255 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6311510 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	479570 Datum: AGD84	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Mid-slope	Relief:	9 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	3 %	Aspect:	180 degrees

Surface Soil Condition

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Ferric Natric Yellow Kandosol		Principal Profile Form:	Dy5.81
ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; 10-20%, medium
		gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt,
		Smooth change to -
A21	0.1 - 0.3 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist;
	10-20%, fine	gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm,
		subrounded, ,
		coarse fragments; Field pH 5.5 (Raupach); Abrupt, Smooth change to -
A22e	0.3 - 0.5 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Massive grade of structure; Wet; 20-50%,
	fine gravelly, 2-	6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, ,
		coarse
		fragments; 20-50%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; Field pH
		6.5 (Raupach);
		Abrupt, Wavy change to -
B2t	0.5 - 0.75 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR58, 10-20% , 15-30mm, Prominent;
	Mottles,	2.5YR46, 10-20% , 15-30mm, Prominent; Light medium clay; Massive grade of structure;
		Moderately
		moist; Field pH 5.5 (Raupach);

Morphological Notes

A22e WCMS

Observation Notes

Site Notes

Road cutting along the Hillman Road

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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				%
0.5 - 0.7	4.4B 5H	26B	0.96H	0.95	0.2	0.07	0.32J		2.18D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.5 - 0.7 59								38I 3

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded