Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1529** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	28/10/93	**Elevation:**	291 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6305120 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	589400 Datum: AGD84	**Drainage:**	Poorly 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Mid-slope	**Relief:**	30 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	270 degrees

Surface Soil Condition

Hardsetting, Hardsetting

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: Dy3.41
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, angular, Quartz; 10-20%, , subrounded, Silcrete

Profile

A1p 0 - 0.1 m Dark grey (10YR4/1-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Dry; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 6 (Raupach); Many, very fine (0-1mm) roots; Sharp, Smooth change to -

A2e 0.1 - 0.15 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt, Wavy change to -

B2t 0.15 - 0.3 m Light brownish grey (10YR6/2-Moist); Mottles, 5YR44, 20-50% , 5-15mm, Distinct; Sandy light medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Strong consistence; Field pH 6 (Raupach);

Morphological Notes

B2t pH<6

Observation Notes

Site Notes

Site along the Peterson Road

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP

m		dS/m	Ca	Mg	K	Na	Acidity			%
						Cmol (+)/kg				
0.15 - 0.3	4.3B 6H	6B	0.75H	1.46	0.03	0.76	0.24J		3D	
0.15 - 0.3	4.3B 6H	6B	0.75H	1.46	0.03	0.76	0.24J		3D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.15 - 0.3 24									68.5I		7.5
0.15 - 0.3 24									68.5I		7.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	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_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