

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1575 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Jaki Hogstrom	Locality:	
Date Desc.:	19/10/93	Elevation:	260 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6299050 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	493250 Datum: AGD84	Drainage:	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:	Mid-slope	Relief:	20 metres
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	4 %	Aspect:	45 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy4.21
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

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry;
		Loose consistence; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5
		(Raupach); Common, fine (1-2mm) roots; Abrupt change to -
A2	0.1 - 0.2 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Dry; 20-50%, medium
		gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots;
		Abrupt change to -
B21e	0.2 - 0.35 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Light clay; Moderate grade of structure;
		Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse
		fragments; 20-50%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments; Field pH 6 (Raupach);
		Clear change to -
B22	0.35 - 0.4 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Light clay; Weak grade of structure; Rough-
		ped fabric; Dry;
		Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, Granite, coarse
		fragments; Field pH 6 (Raupach); Abrupt change to -
C	0.4 - 0.45 m	Strong brown (7.5YR5/8-Moist); , 0-0% ; Light clay; Massive grade of structure; Dry; Firm
		consistence;
		20-50%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments; Field pH 6 (Raupach);

Morphological Notes

B22	Weathering product
C	Weathered granite. Very hard layer

Observation Notes

Site Notes

Series of contour banks running across paddock

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1575 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.2 - 0.35	4.6B 5.5H	2B	1.19H	0.54	0.04	0.04	0.23J		1.81D	
0.2 - 0.35	4.6B 5.5H	2B	1.19H	0.54	0.04	0.04	0.23J		1.81D	

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			%	
0.2 - 0.35									71I		5.5
23.5											
0.2 - 0.35									71I		5.5
23.5											

Laboratory Analyses Completed for this profile

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