

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0567 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	24/11/92	Elevation:	312 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6310670 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	513620 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type:	Mid-slope	Relief:	35 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	4 %	Aspect:	90 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Uc2.23
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

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist;
		Loose consistence; Field pH 8 (Raupach); Many, fine (1-2mm) roots; Abrupt, Wavy change to -
A12	0.05 - 0.12 m	Brown (10YR4/3-Moist); Mechanical, 10YR31, 2-10% , 0-5mm, Distinct; Loamy sand; Single grain
		grade of structure; Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse
		fragments; Field pH 7.5 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth change to -
A2e	0.12 - 0.4 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Loose
		consistence; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 7.5
		(Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B1	0.4 - 0.5 m	Pale brown (10YR6/3-Moist); , 0-0% ; Coarse sandy loam; Massive grade of structure; Moist; Very weak
		consistence; 20-50%, fine gravelly, 2-6mm, subangular, Granite, coarse fragments; 2-10%, medium
		gravelly, 6-20mm, rounded, , coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm),
		Nodules; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -
B2t	0.5 - 0.6 m	Pale yellow (2.5Y7/4-Moist); Mottles, 5YR58, 10-20% , 5-15mm, Distinct; Coarse sandy loam; Massive
		grade of structure; Moderately moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular,
		Granite, coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Boyalling Road. 50m downslope of granite rock outcrop

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Observation 1**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 - 0.6	5.9B	14B								
	6.7H									
0.5 - 0.6	5.9B	14B								
	6.7H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.5 - 0.6								75.5l 5
19.5								
0.5 - 0.6								75.5l 5
19.5								

Laboratory Analyses Completed for this profile

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