

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0336 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 21/07/92
Map Ref.:
Northing/Long.: 6261830 AMG zone: 50
Easting/Lat.: 544380 Datum: AGD84
Locality:
Elevation: 341 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 8 %
Relief: 55 metres
Slope Category: No Data
Aspect: 90 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: Dg4.41
Great Soil Group: N/A

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

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, angular, Quartz; 0-2%, , angular, Granite

Profile

A1 0 - 0.25 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots; Gradual, Smooth change to -
A2e 0.25 - 0.45 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Loose consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B21t 0.45 - 0.8 m White (10YR8/2-Moist); Mottles, 10R46, 20-50% , 5-15mm, Distinct; Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Moderately moist; Weak consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Gradual change to -
B22t 0.8 - 1 m White (10YR8/2-Moist); Mottles, 10R46, 20-50% , 5-15mm, Distinct; , 10YR68, 20-50% , 5-15mm, Distinct; Light clay; Moderate grade of structure; Moderately moist; Weak consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

B21t % clay, ESP

Observation Notes

Site Notes

Moore Rd - granite outcrop exposed in drainage line 50m downslope

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
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m	dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity	%
0 - 0.11	5.31B						
0.16 - 0.26	4.72B						
0.36 - 0.46	5.44B						
0.45 - 0.8	6B	8B					
	6.9H						
0.45 - 0.8	6B	8B					
	6.9H						

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 - 0.11											
0.16 - 0.26											
0.36 - 0.46											
0.45 - 0.8									45l		7
48											
0.45 - 0.8									45l		7
48											

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