

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0814 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 21/05/93
Map Ref.:
Northing/Long.: 6237950 AMG zone: 50
Easting/Lat.: 545810 Datum: AGD84
Locality:
Elevation: 300 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

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

Morph. Type: Upper-slope
Elem. Type: Summit surface
Slope: 2 %
Relief: 20 metres
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy5.12
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; 2-10%, , subangular, Quartz

Profile

A1 0 - 0.12 m 10-20 mm, 1mm) roots; Abrupt	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Weak grade of structure, Subangular blocky; Loose consistence; Field pH 6 (Raupach); Abundant, very fine (0- change to -
B1 0.12 - 0.2 m 100-200 mm, gravelly, 2-6mm, Field pH 7.5	Yellowish red (5YR5/6-Moist); , 0-0% ; Sandy clay loam; Moderate grade of structure, Subangular blocky; Rough-ped fabric; Dry; Very strong consistence; 10-20%, fine rounded, , coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B2t 0.2 - 0.5 m 10R48, 10-20% Very firm	Greyish brown (10YR5/2-Moist); Mottles, 7.5YR56, 10-20% , 5-15mm, Distinct; Mottles, , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Dry; consistence; Field pH 7 (Raupach); Common, very fine (0-1mm) roots;

Morphological Notes

B1 Roots around hard peds very hard layer

Observation Notes

Site Notes

Pindellup Road

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg K	Na	Acidity			%
					Cmol (+)/kg				

0 - 0.1	5B									
0.1 - 0.2	6B									
0.2 - 0.5	5.4B	62B	2.56H	5.47	0.15	3.74	0.02J		11.92D	
	5.9H									
0.2 - 0.5	5.4B	62B	2.56H	5.47	0.15	3.74	0.02J		11.92D	
	5.9H									
0.4 - 0.5	5.7B									

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 - 0.1											
0.1 - 0.2											
0.2 - 0.5									54.5l		6.5
39											
0.2 - 0.5									54.5l		6.5
39											
0.4 - 0.5											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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