

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1272 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 06/09/93
Map Ref.:
Northing/Long.: 6336900 AMG zone: 50
Easting/Lat.: 561660 Datum: AGD84
Locality:
Elevation: 395 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: No Data
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
Pattern Type: Rises
Relief: 30 metres
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy3.41
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse fragments 20-50%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse

Profile

A1p 0 - 0.1 m Dark grey (10YR4/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Field pH 6 (Raupach); Abrupt change to -
A2e 0.1 - 0.15 m Very pale brown (10YR7/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Field pH 6 (Raupach); Clear change to -
B2 0.15 - 0.3 m Yellow (10YR7/6-Moist); Mottles, 7.5YR56, 10-20% , 15-30mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach); Clear change to -
B3 0.3 - 0.6 m Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Clay loam; Massive grade of structure; Dry; Field pH 6 (Raupach);

Morphological Notes

B2 Kaolinitic clay

Observation Notes

Site Notes

Site along Dongolocking Road - downslope of breakaway

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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 - 0.1	4.6B									
0.15 - 0.3	4.7B 5.6H	4B	0.67H	1.68	0.14	0.11	0.15J		2.6D	

0.15 - 0.3	4.7B	4B	0.67H	1.68	0.14	0.11	0.15J	2.6D
0.15 - 0.25	5.6H							
0.4 - 0.5	4.7B							
	5.5B							

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.1								
0.15 - 0.3								39I 5
56								
0.15 - 0.3								39I 5
56								
0.15 - 0.25								
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_CMd	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASdS	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