

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0779 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Jaki Hogstrom
Date Desc.: 10/05/93
Map Ref.:
Northing/Long.: 6303160 AMG zone: 50
Easting/Lat.: 470210 Datum: AGD84
Locality:
Elevation: 307 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well drained

Geology

ExposureType: Existing vertical exposure
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: Upper-slope
Elem. Type: Hillcrest
Slope: 4 %
Relief: 32 metres
Slope Category: No Data
Aspect: 45 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: Uf6.1
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

Site Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, , ; No surface coarse fragments

Profile

A1 Polyhedral; roots; Clear,	0 - 0.05 m Yellowish red (5YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structure, 5-10 mm, Rough-ped fabric; Dry; Strong consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) Wavy change to -
B2 Polyhedral; Rough- Clear, Wavy	0.05 - 0.3 m Red (2.5YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structure, 20-50 mm, ped fabric; Dry; Strong consistence; Field pH 5 (Raupach); Common, fine (1-2mm) roots; change to -
C 10-20% , 15- Polyhedral; Rough-ped Wavy change	0.3 - 1.4 m Red (2.5YR5/6-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Distinct; Mottles, 10YR81, 30mm, Distinct; Coarse sandy light clay; Moderate grade of structure, 20-50 mm, fabric; Dry; Firm consistence; Field pH 4.5 (Raupach); Few, fine (1-2mm) roots; Gradual, to -
C 10-20% , 15- (Raupach);	1.4 - 2 m White (10YR8/1-Moist); Mottles, 2.5YR56, 20-50% , 15-30mm, Distinct; Mottles, 10YR78, 30mm, Faint; Light clay; Massive grade of structure; Dry; Firm consistence; Field pH 4.5 Few, fine (1-2mm) roots;

Morphological Notes

A1 pH in adjacent paddock =6.0 due to higher organic matter
 C Coarse quartz grains, mottled zone
 C Pallid zone - kaolinitic

Observation Notes

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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				%
0.05 - 0.3	4.5B 4.7H	295B	0.15H	3.37	0.06	3.32	1.25J		6.9D	
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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			%	
0.05 - 0.3 34									62I		4
0.05 - 0.3 34									62I		4

Laboratory Analyses Completed for this profile

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