

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0792 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Jaki Hogstrom	Locality:
Date Desc.: 12/05/93	Elevation: 238 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6302090 AMG zone: 50	Runoff: No Data
Easting/Lat.: 487080 Datum: AGD84	Drainage: Poorly 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: No Data	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 0 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 1 %	Aspect: No Data

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dy5.42
	Great Soil Group: N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt, Wavy change to -
A12	0.1 - 0.25 m	Light brownish grey (2.5Y6/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6.5 (Raupach); Many, very fine (0-1mm) roots; Clear change to -
A2e	0.25 - 0.4 m	Light brownish grey (2.5Y6/2-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moist; Loose consistence; Common (10 - 20 %), Argillaceous, Coarse (6 - 20 mm), Soft segregations; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B2	0.4 - 0.5 m	Greyish brown (2.5Y5/3-Moist); Mottles, 7.5YR58, 20-50% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Moderately moist; Weak consistence; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
C	0.5 - 0.6 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5Y71, 10-20% , 15-30mm, Distinct; Coarse sandy light clay; Massive grade of structure; Dry; Very firm consistence; Field pH 7 (Raupach);

Morphological Notes

A2e Plus clay lumps in bottom 10cm

Observation Notes

Site 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 - 0.1	5B									
0.15 - 0.25	5.3B									
0.4 - 0.5	6B	30B	0.62A	3.28	0.16	1.31			5.37D	
	6.8H									
	5.9B									
0.4 - 0.5	6B	30B	0.62A	3.28	0.16	1.31			5.37D	
	6.8H									
	5.9B									
0.4 - 0.5	6B	30B	0.62A	3.28	0.16	1.31			5.37D	
	6.8H									
	5.9B									

Depth	CaCO ₃	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0 - 0.1											
0.15 - 0.25											
0.4 - 0.5									51.5l		4
44.5											
0.4 - 0.5									51.5l		4
44.5											
0.4 - 0.5									51.5l		4
44.5											

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
15A1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
15A1_CEC	salts
15A1_K	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG	salts
for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA	salts
for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15J_BASES	salts
15L1_a	Sum of Bases
Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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