

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1825 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 07/07/94
Map Ref.:
Northing/Long.: 6206600 AMG zone: 50
Easting/Lat.: 554370 Datum: AGD84
Locality:
Elevation: 270 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: 5 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy4.23
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; No surface coarse fragments

Profile

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Field pH 6.5
		(Raupach); Abrupt change to -
A2	0.1 - 0.2 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Field pH 8 (Raupach); Abrupt change to -
B21	0.2 - 0.3 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 8.5 (Raupach); Gradual change to -
B22	0.3 - 0.5 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 8.5 (Raupach); Clear change to -
B3	0.5 - 0.7 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5Y72, 10-20% , 15-30mm, Distinct; , 2.5YR46, 2-10% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; Field pH 8.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

S. Vlahos (93KA78) saltbush/pasture longevity trial - tall wheat grass and saltbush on Ian Walsh's property at Cranbrook.

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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	5.4B	20B									
	6.4H										
0.1 - 0.2	6.4B	18B									
	7.5H										
0.2 - 0.4	7.2B	200B	0.79A	0.16	0.02	0.04					1.01D
	7.7H		0.79A	0.16	0.02	0.04					1.01D
	7.2B										
	7.7H										
0.2 - 0.4	7.2B	200B	0.79A	0.16	0.02	0.04					1.01D
	7.7H		0.79A	0.16	0.02	0.04					1.01D
	7.2B										
	7.7H										
0.4 - 0.5	7.9B	300B									
	8.2H										

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³				%	
0 - 0.1												
0.1 - 0.2												
0.2 - 0.4										31.5l		5.5
63										31.5l		5.5
										63		
0.2 - 0.4										31.5l		5.5
63												
										31.5l		5.5
										63		
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_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	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15J_BASeS	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded