Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0134** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	28/11/91	**Elevation:**	275 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6273040 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	568050 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:	Level plain <9m <1%	**Pattern Type:**	Alluvial plain
Morph. Type:	Flat	**Relief:**	1 metres
Elem. Type:	Valley flat	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	90 degrees

Surface Soil Condition Saline, Hardsetting

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

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
Natric Sodosolic Salic Hydrosol **Principal Profile Form:** Dy3.11
ASC Confidence: **Great Soil Group:** N/A
Analytical data are incomplete but reasonable confidence.

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.05 m Dark grey (10YR4/1-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; Field pH 6.5 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt change to -

B21 0.05 - 0.4 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Medium heavy clay; Strong grade of structure, 50-100 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Many, fine (1-2mm) roots; Clear change to -

B22 0.4 - 0.5 m Light brownish grey (10YR6/2-Moist); Mottles, 10YR51, 10-20% , 5-15mm, Faint; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 8 (Raupach); Common, medium (2-5mm) roots; Clear change to -

C1 0.5 - 0.6 m Light brownish grey (10YR6/2-Moist); Mottles, 7.5YR56, 2-10% , 5-15mm, Distinct; Coarse sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Field pH 8 (Raupach); Abrupt change to -

C2 0.6 - 0.9 m Pale brown (10YR6/3-Moist); Mottles, 10YR58, 20-50% , 15-30mm, Distinct; Clayey coarse sand; Moist; Field pH 6 (Raupach); Abrupt change to -

C3 0.9 - 1.05 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Light medium clay; Rough-ped fabric; Moderately moist; Field pH 4.5 (Raupach);

Morphological Notes

B21	DRY AT TOP 10CM SAMPLED
B22	M SAND PRESENT
C1	KS<1MM
C2	KS<1MM AQUIF. H20 ENTERED
C3	FINE SAND PRESENT

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.05 - 0.4	6.6B 7.3H	100B	3.71A	6.05	0.47	3.37			13.6D	
0.05 - 0.4	6.6B 7.3H	100B	3.71A	6.05	0.47	3.37			13.6D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0.05 - 0.4 36									54I		10
0.05 - 0.4 36									54I		10

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,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 (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,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_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