

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0120 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 19/11/91	Elevation: 358 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6276170 AMG zone: 50	Runoff: No Data
Easting/Lat.: 547660 Datum: AGD84	Drainage: Moderately well 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Mid-slope	Relief: 50 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 4 %	Aspect: 90 degrees

Surface Soil Condition Hardsetting, Hardsetting

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: Dy3.62
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 0-2%, medium gravelly, 6-20mm, rounded, Ironstone; No surface coarse fragments

Profile

A11 0 - 0.1 m Sandy (grains Ferruginous, roots; Abrupt	Very dark brown (10YR2/2-Moist); , 0-0% ; Loamy coarse sand; Weak grade of structure; prominent fabric; Moderately moist; 2-10%, Quartz, coarse fragments; Very few (0 - 2 %), Extremely coarse (> 60 mm), Nodules; Field pH 6 (Raupach); Many, very fine (0-1mm) change to -
A12 0.1 - 0.2 m structure; 2-10%, Field pH 6	Dark brown (7.5YR3/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
A21 0.2 - 0.3 m structure; Dry; Nodules; Field	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Loamy coarse sand; Massive grade of 20-50%, Quartz, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), pH 6 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
A22 0.3 - 0.5 m structure; Dry; Nodules; Field	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Coarse sandy loam; Massive grade of 20-50%, Quartz, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), pH 6.5 (Raupach); Clear change to -
B2 0.5 - 0.52 m light medium Ferruginous,	Yellowish brown (10YR5/6-Moist); Mottles, 2.5Y64, 10-20% , 0-5mm, Faint; Coarse sandy clay; Massive grade of structure; Dry; 10-20%, Quartz, coarse fragments; Few (2 - 10 %), Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);

Morphological Notes

A11	F S QZ & M R GC
A12	F S QZ & M R GC
A21	F,M A QZ & F,M U GC
A22	F,M A QZ & F,M U GC
B2	F QZ & IS SAMPLED

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				%
0.5 - 0.52	5.4B 6.3H	4B	2.78H	0.62	0.17	0.03	<0.02J		3.6D	
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Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3				%
0.5 - 0.52									67.5I		5.5
27											
0.5 - 0.52									67.5I		5.5
27											

Laboratory Analyses Completed for this profile

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