

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0060 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	18/10/91	Elevation:	320 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6257860 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	558640 Datum: AGD84	Drainage:	Imperfectly 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Lower-slope	Relief:	25 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	45 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy3.42
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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 - 0.12 m	Black (10YR2/1-Moist); , 0-0% ; Clayey sand; Weak grade of structure; Rough-ped fabric; Dry; 10-20%, Nodules; Water
A12	0.12 - 0.25 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey coarse sand; Dry; 20-50%, Ironstone, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -
A21e	0.25 - 0.3 m	Brown (10YR5/3-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Sandy fabric; Dry; 20-50%, Ironstone, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
A22e	0.3 - 0.35 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, Ironstone, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B21	0.35 - 0.7 m	Brownish yellow (10YR6/6-Moist); Mottles, 10YR68, 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 6 (Raupach); Few, coarse (>5mm) roots; Gradual change to -
B22	0.7 - 0.85 m	Light grey (10YR7/1-Moist); Mottles, 10R58, 10-20% , 5-15mm, Faint; Medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; Field pH 6 (Raupach); Few, coarse (>5mm) roots; Gradual change to

B23 0.85 - 1.05 m Light grey (10YR7/1-Moist); Mottles, 10R58, 20-50% , 5-15mm, Prominent; Medium clay;
Strong grade of structure; Smooth-ped fabric; Dry; Field pH 7 (Raupach);

Morphological Notes

A11 M R IS
A12 F M IS(R) QZ (S)
A21e F M IS(R)
A22e F M IS
B21 +MS, SAMPLED

B22 +MS
B23 +MS

Observation Notes

Site Notes

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0060 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.35 - 0.7	5.5B 6.2H	55B	0.8H	4.54	0.05	3.41	<0.02J		8.8D	
0.35 - 0.7	5.5B 6.2H	55B	0.8H	4.54	0.05	3.41	<0.02J		8.8D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.35 - 0.766								31I 3
0.35 - 0.766								31I 3

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