

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0050 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 16/10/91	Elevation: 330 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6254120 AMG zone: 50	Runoff: No Data
Easting/Lat.: 574920 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Upper-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	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: Dr3.21
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

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

Profile

A1	0 - 0.02 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Fine sandy loam; Weak grade of structure; Rough-ped fabric; Dry; 20-50%, Ironstone, coarse fragments; Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
A2	0.02 - 0.1 m	Strong brown (7.5YR4/6-Moist); , 0-0% ; Sandy loam; Weak grade of structure; Rough-ped fabric; Dry; 50-90%, Ironstone, coarse fragments; Water repellent; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B21	0.1 - 0.45 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Sandy medium clay; Dry; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B22	0.45 - 0.55 m	Red (2.5YR4/6-Moist); , 0-0% ; Light medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 4.5 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B23	0.55 - 0.9 m	Red (10R4/8-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 4.5 (Raupach); Diffuse change to -
BC	0.9 - 1.1 m	Red (2.5YR4/6-Moist); Substrate influence, 5YR81, 20-50% , 5-15mm, Prominent; Moderate grade of structure; Rough-ped fabric; Dry; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 5 (Raupach);

Morphological Notes

A1	GRAVEL F,M S
A2	GRAVEL F,M S
B21	SAMPLED

Observation Notes

Site Notes

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0050 **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				%
0.1 - 0.45	5.3B 6H	19B	1.61H	3.16	0.08	0.9	<0.02J		5.75D	
0.1 - 0.45	5.3B 6H	19B	1.61H	3.16	0.08	0.9	<0.02J		5.75D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.1 - 0.45									48.5l		6
45.5									48.5l		6
0.1 - 0.45									48.5l		6
45.5									48.5l		6

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