

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0822 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 25/05/93	Elevation: 310 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6238690 AMG zone: 50	Runoff: No Data
Easting/Lat.: 539410 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: Mid-slope	Relief: 15 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 45 degrees

Surface Soil Condition Loose

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: Dy5.42
	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

Ap 0 - 0.12 m Moist; Loose pH 5.5	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field (Raupach); Abundant, very fine (0-1mm) roots; Abrupt, Smooth change to -
A21e 0.12 - 0.3 m structure; Field pH 6	Light brownish grey (2.5Y6/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of Loose consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; (Raupach); Common, very fine (0-1mm) roots; Clear change to -
A22e 0.3 - 0.5 m Moist; Loose 10%, medium (0-1mm) roots;	Pale yellow (2.5Y7/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 2-gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Raupach); Few, very fine Clear change to -
B2t 0.5 - 0.7 m clay; Moderate (Raupach); Few,	Brownish yellow (10YR6/7-Moist); Mottles, 10R46, 20-50% , 0-5mm, Distinct; Medium grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 7 very fine (0-1mm) roots;

Morphological Notes

Ap	KS in LMS
B2t	Very slight dispersion

Observation Notes

Site Notes

Birt Road

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0822 **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 - 0.1	4.5B									
0.15 - 0.25	4.6B									
0.35 - 0.45	5.2B									
0.5 - 0.7	5.5B	5B	4.46A	7.63	0.12	0.9			13.11D	
	6.6H									
0.5 - 0.7	5.5B	5B	4.46A	7.63	0.12	0.9			13.11D	
	6.6H									

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 - 0.1											
0.15 - 0.25											
0.35 - 0.45											
0.5 - 0.7									37I		6.5
	56.5										
0.5 - 0.7									37I		6.5
	56.5										

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
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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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