

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0097 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 11/11/91	Elevation: 312 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6265950 AMG zone: 50	Runoff: No Data
Easting/Lat.: 564930 Datum: AGD84	Drainage: 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 rises 9-30m 3-10%	Pattern Type: Rises
Morph. Type: Mid-slope	Relief: 30 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 3 %	Aspect: 270 degrees

Surface Soil Condition Firm

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: Uc2.23
	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

A1 0 - 0.25 m Field pH 5.5	Dark grey (10YR4/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; (Raupach); Abundant, very fine (0-1mm) roots; Abrupt change to -
A21e 0.25 - 0.55 m Moderately moist;	Very pale brown (10YR7/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
A22e 0.55 - 0.65 m structure; Moist; mm), Nodules;	Very pale brown (10YR7/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of 20-50%, , coarse fragments; Common (10 - 20 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Common, fine (1-2mm) roots; Gradual change to -
A23ec 0.65 - 0.8 m structure; coarse (20 - 60	Light brownish grey (10YR6/2-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of Moist; 50-90%, Quartz, coarse fragments; Very many (50 - 100 %), Ferruginous, Very mm), Nodules; Field pH 6 (Raupach); Clear change to -
B2cw 0.8 - 0.95 m sandy loam; fragments; Many (20 -	Very pale brown (10YR7/3-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Distinct; Coarse Weak grade of structure; Rough-ped fabric; Moderately moist; 50-90%, , coarse 50 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Field pH 6.5 (Raupach);

Morphological Notes

A22e	C U GC
A23ec	F A QZ & C U GC
B2cw	MC R GC SAMPLED 13.5%CLAY

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				%
0.8 - 0.95	5.7B 6.8H	5B								
0.8 - 0.95	5.7B 6.8H	5B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3				%
0.8 - 0.95	13.5										
0.8 - 0.95	13.5										

Laboratory Analyses Completed for this profile

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