

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0773 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Jaki Hogstrom	Locality:
Date Desc.: 29/04/93	Elevation: 281 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6322220 AMG zone: 50	Runoff: No Data
Easting/Lat.: 467700 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: Level plain <9m <1%	Pattern Type: Rises
Morph. Type: Flat	Relief: 5 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Ferric Mesotrophic Brown Kandosol	Principal Profile Form: Db1.61
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

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

Vegetation:

Surface Coarse 2-10%, medium gravelly, 6-20mm, subangular, Ferricrete; 2-10%, , subangular, Ferricrete

Profile

A1 0 - 0.1 m structure; Dry; Strongly water	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; repellent, "Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
A2 0.1 - 0.2 m consistence; 20- 20mm, 2mm) roots;	Brown (7.5YR4/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; Loose 50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6- subrounded, , coarse fragments; Water repellent; Field pH 6 (Raupach); Many, fine (1- Abrupt change to -
B1 0.2 - 0.55 m Firm consistence; gravelly, 6-20mm, change to -	Strong brown (7.5YR4/6-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium subrounded, , coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Gradual
B21 0.55 - 0.6 m Weak medium gravelly, roots; Gradual	Strong brown (7.5YR5/6-Moist); , 0-0% ; Sandy light clay; Massive grade of structure; consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) change to -
B22 0.6 - 0.85 m Very weak medium gravelly, roots;	Yellowish brown (10YR5/6-Moist); , 0-0% ; Sandy light clay; Massive grade of structure; consistence; 50-90%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm)

Morphological Notes

Observation Notes**Site Notes**

Project Name: Katanning land resources survey
 Project Code: KLC Site ID: 0773
 Agency Name: Agriculture Western Australia

Observation 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	cmol (+)/kg	Acidity			%
0 - 0.1	5.2B									
0.1 - 0.2	5.6B	5B								
	6.4H									
	5.4B									
0.1 - 0.2	5.6B	5B								
	6.4H									
	5.4B									
0.1 - 0.2	5.6B	5B								
	6.4H									
	5.4B									
0.2 - 0.55	5.5B	4B								
	6.4H									
0.2 - 0.55	5.5B	4B								
	6.4H									
0.4 - 0.5	5.2B									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt %
0 - 0.1								
0.1 - 0.2								
0.1 - 0.2								
0.1 - 0.2								
0.2 - 0.55								
0.2 - 0.55								
0.4 - 0.5								

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)