

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2352 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street	Locality:
Date Desc.: 30/10/97	Elevation: No Data
Map Ref.:	Rainfall: No Data
Northing/Long.: 6273546 AMG zone: 50	Runoff: No Data
Easting/Lat.: 548311 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: No Data	Pattern Type: No Data
Morph. Type: No Data	Relief: No Data
Elem. Type: No Data	Slope Category: No Data
Slope: %	Aspect: No Data

Surface Soil Condition Firm, Hardsetting

Erosion: (wind); (scald) (sheet) (wave) (rill) (mass)
(gully) (stbank) (tunnel)

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Acidic Ferric Orthic Tenosol	Principal Profile Form: N/A
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 No surface coarse fragments; No surface coarse fragments

Profile

A11 0 - 0.17 m medium subangular,	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Dry; Firm consistence; 10-20%, gravelly, 6-20mm, rounded, Ironstone, coarse fragments; 10-20%, fine gravelly, 2-6mm, Quartz, coarse fragments;
A21 0.17 - 0.3 m fine gravelly, 2- Quartz, coarse	Yellowish brown (10YR5/4-Moist); ; Loamy coarse sand; Dry; Firm consistence; 20-50%, 6mm, rounded, Ironstone, coarse fragments; 10-20%, fine gravelly, 2-6mm, subangular, fragments;
B21c 0.3 - 0.65 m fine gravelly, 2- rounded, Ironstone,	Yellowish brown (10YR5/6-Moist); ; Coarse sandy loam; Dry; Firm consistence; 20-50%, 6mm, rounded, Ironstone, coarse fragments; 20-50%, medium gravelly, 6-20mm, coarse fragments;
B22 0.65 - 0.8 m 20%, fine 20mm, subangular,	Brownish yellow (10YR6/8-Moist); ; Coarse sandy loam; Dry; Very firm consistence; 10- gravelly, 2-6mm, subangular, Quartz, coarse fragments; 2-10%, medium gravelly, 6- Granite, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Surface of paddock has moderate cover, many bare patches between pasture. Compaction of surface again, Penetrometer reading >6kg/cm.
Good rooting depth >30cm into A2 horizon; Compaction pan 10 - 15cm. (see "Veg. & Loc. notes" for more.)

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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	4.6B	4B							
	5.8H								
0.7 - 0.8	5.3B	5B							
	6.2H								

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		1.22D			0.089E			94.5I	2.5
3									
0.7 - 0.8		0.13D						86.5I	3.5
10									

Laboratory Analyses Completed for this profile

18A1_NR	Bicarbonate-extractable potassium (not recorded)
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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
7C1a	Ammonium-N, in presence or absence of nitrite
7C1e	Nitrate-N, in presence of nitrite
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded