

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1697 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy **Locality:**
Date Desc.: 02/06/94 **Elevation:** 340 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6327600 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 497100 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Crest **Relief:** 30 metres
Elem. Type: Summit surface **Slope Category:** No Data
Slope: 1 % **Aspect:** 180 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 N/A **Principal Profile Form:** Uf6.12
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; 10-20%, , subangular,

Profile

A11 0 - 0.05 m Dusky red (2.5YR3/2-Moist); , 0-0% ; Fine sandy loam; Strong grade of structure, 2-5 mm,
 Granular;
 Moist; Field pH 6 (Raupach); Abrupt change to -
 A12 0.05 - 0.3 m Dark reddish brown (2.5YR3/3-Moist); , 0-0% ; Light clay; Moderate grade of structure;
 Rough-ped
 fabric; Moist; 10-20%, medium gravelly, 6-20mm, subangular, Dolerite, coarse fragments;
 Field pH 6
 (Raupach); Clear change to -
 B2t 0.3 - 0.6 m Reddish brown (2.5YR4/4-Moist); , 0-0% ; Medium clay; Moderate grade of structure;
 Rough-ped fabric;
 Moist; Field pH 6.5 (Raupach);

Morphological Notes

B2t Dry below 50cm

Observation Notes

Site Notes

Site along the Tarwonga Road reserve

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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				%
0.3 - 0.5	5.6B 6.4H	6B	16H	7.8	0.13	0.4	0.04J		24.33D	
0.3 - 0.5	5.6B 6.4H	6B	16H	7.8	0.13	0.4	0.04J		24.33D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0.3 - 0.5 59									30.5l		10.5
0.3 - 0.5 59									30.5l		10.5

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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 (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded