

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2114 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 14/09/94	Elevation: 250 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6277630 AMG zone: 50	Runoff: No Data
Easting/Lat.: 471880 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: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 315 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: Dy4.11
	Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1 0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; 2-6mm,
A3 0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Smooth change to -
B2t 0.2 - 0.45 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Faint; Sandy medium clay; Moderate grade of structure, Polyhedral; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach); Gradual change to -
B3 0.45 - 0.6 m	Very pale brown (10YR7/4-Moist); Mottles, 7.5YR68, 2-10% , 15-30mm, Distinct; Medium clay; Strong grade of structure, Polyhedral; Smooth-ped fabric; Moderately moist; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 6 (Raupach);

Morphological Notes

B2t Very light dispersion.

Observation Notes

Site Notes

Site along Stewart 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				%
0.2 - 0.4	4.5B 5.1H	13B	0.08H	2.2	0.04	0.49	0.37J		2.81D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.2 - 0.4 49.5								42I 8.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,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 (Mn2+) 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