Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0057** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 18/10/91
Map Ref.:
Northing/Long.: 6254030 AMG zone: 50
Easting/Lat.: 566090 Datum: AGD84
Locality:
Elevation: 325 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 4 %
Relief: 35 metres
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy3.32
Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Weak grade of structure; Rough-ped fabric; Dry; 2-10%, Quartz, coarse fragments; Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -

A2j 0.1 - 0.15 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -

B21t 0.15 - 0.5 m Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR48, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of structure, Polyhedral; Smooth-ped fabric; Dry; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B22t 0.5 - 0.6 m Yellowish brown (10YR5/4-Moist); Mottles, 2.5YR48, 10-20% , 0-5mm, Distinct; Medium clay; Strong grade of structure, Polyhedral; Smooth-ped fabric; Dry; Field pH 7.5 (Raupach); Common, coarse (>5mm) roots;

Morphological Notes

A1	F A QZ +KS
A2j	SPORADIC BLEACH 10YR7/2d
B21t	SAMPLED +S

Observation Notes

Site Notes

Hole dug on road reserve next to lupin crop - not performing well

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0.15 - 0.5	6.3B 7.4H	12B	0.75A	2.68	0.2	0.94			4.57D	
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Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.15 - 0.5 52									44I		4
0.15 - 0.5 52									44I		4

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using Sum of Cations and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded