Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0047** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 15/10/91
Map Ref.:
Northing/Long.: 6259010 AMG zone: 50
Easting/Lat.: 586000 Datum: AGD84
Locality:
Elevation: 300 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well 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: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 10 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: Gn4.52
Great Soil Group: N/A

Site Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone; No surface coarse fragments

Profile

A 0 - 0.4 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, Ironstone, coarse fragments; Water repellent; Field pH 7 (Raupach); Common, medium (2-5mm) roots; Clear change to -

2A1 0.4 - 0.5 m Very dark brown (10YR2/2-Moist); , 0-0% ; Clay loam, sandy; Weak grade of structure; Rough-ped fabric; Moist; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Clear change to -

2B21 0.5 - 0.6 m Very pale brown (10YR7/3-Moist); Mottles, 7.5YR68, 10-20% , 5-15mm, Distinct; Sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; 50-90%, Ironstone, coarse fragments; Very many (50 - 100 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 7 (Raupach);

Morphological Notes

A GRAVEL-F M C
2B21 SAMPLED GRAVEL - F M C

Observation Notes

Site Notes

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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							%
0.5 - 0.6	6.3B	45B	2.18A	4.29	0.19	2.45			9.11D	

	7.1H											
0.5 - 0.6	6.3B	45B	2.18A	4.29	0.19	2.45					9.11D	
	7.1H											
0.5 - 0.6	6.3B	45B	2.18A	4.29	0.19	2.45					9.11D	
	7.1H											

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.5 - 0.6									68.5I		9	22.5
0.5 - 0.6									68.5I		9	22.5
0.5 - 0.6									68.5I		9	22.5

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_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