

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2005 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: John-Paul Van Moort
Date Desc.: 15/03/94
Map Ref.:
Northing/Long.: 6295420 AMG zone: 50
Easting/Lat.: 474190 Datum: AGD84
Locality:
Elevation: 260 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well drained

Geology

ExposureType: Soil pit
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: Upper-slope
Elem. Type: Hillslope
Slope: %
Relief: 10 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Soft

Erosion:

Soil Classification

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

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 50-90%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile

A1	0 - 0.05 m	Dark brown (10YR3/3-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Dry; Loose
		consistence; 50-90%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach);
		Clear change to -
	0.05 - 0.7 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Single grain grade of structure; Loose
	consistence; 50-90%,	fine gravelly, 2-6mm, , coarse fragments; Diffuse change to -
	0.7 - 1.2 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Single grain grade of structure; Loose
	consistence; 50-90%,	fine gravelly, 2-6mm, , coarse fragments; Field pH 6 (Raupach); Diffuse change to -
	1.2 - 2.1 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Single grain grade of structure; Loose
	consistence; 50-90%,	fine gravelly, 2-6mm, , coarse fragments; Diffuse change to -
	2.1 - m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Single grain grade of structure; Loose
	consistence; Field pH	6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Soil pit - Date Creek catchment deep yellow brown gravel. Pit on Rutherford's property "Goldmead" at Capercup.
 Soil tends to wet up poorly. Site located 50m off ridge top.

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2005 **Observation** 1
Agency Name: Agriculture Western Australia

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 - 0.05	5.4B 5.9H	25B	13.76H	2.6	0.9	0.17	0.1J	17.43D	
0.05 - 0.3	5.4B 6.1H	5B	3H	0.9	0.37	0.05	<0.02J	4.32D	
0.3 - 0.6	5.8B 6.3H	5B	1.5H	0.91	0.32	0.06	<0.02J	2.79D	
0.9 - 1.2	5.9B 6.3H	3B	0.44H	1.32	0.06	0.08	<0.02J	1.9D	
1.8 - 2.1	5.8B 5.9H	1B	0.08H	0.14	<0.02	0.02	<0.02J	0.25D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.05 2.8		8.04D		980B	0.608E						4.4
0.05 - 0.3 11.7		1.06D		150B	0.086E						11.2
0.3 - 0.6 8		0.49D		89B	0.05E						12.5
0.9 - 1.2 7.2		0.37D		84B	0.051E						15.6
1.8 - 2.1 1		0.27D		87B	0.02E						7.6

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)