Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2356 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 30/10/97
Map Ref.:
Northing/Long.: 6274120 AMG zone: 50
Easting/Lat.: 547838 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Moderately 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: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

Erosion: (wind); (scald) (sheet) (wave) (rill) (mass) (gully) (stbank) (tunnel)

Soil Classification

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

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

Vegetation:

Surface Coarse

Profile

A11 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Loamy coarse sand; Dry; Water repellent;

A21 0.1 - 0.3 m Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Dry; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, Granite, coarse fragments; 10-20%, coarse gravelly, 20-60mm, subrounded, Granite, coarse fragments;

B21 0.3 - 0.5 m Very pale brown (10YR7/4-Moist); ; Coarse sandy clay loam;

B22t 0.5 - 0.65 m Yellow (10YR7/8-Moist); ; Silty medium clay;

B23 0.65 - 0.8 m Very pale brown (10YR7/4-Moist); Substrate influence, 10YR68, 2-10% , 5-15mm, Distinct; Medium clay;

Morphological Notes

B23 Medium clay nodules throughout coarse sandy loam layer.

Observation Notes

Site Notes

Paddock has no vegetation cover, sand + 10% gravel on surface. Major wind erosion risk. Loose sandy surface over very hard layer,
Penetrometer: >6kg/cm. Trees around paddock help decrease wind. Looks like fines already gone.(see Loc. 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 - 0.1	4.1B 4.8H	14B								
0.7 - 0.8	4.9B 5.9H	5B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1		1.39D			0.104E				92I		3.5
4.5											
0.7 - 0.8		0.06D							51.5I		5
43.5											

Laboratory Analyses Completed for this profile

18A1_NR	Bicarbonate-extractable potassium (not recorded)
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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
7C1a	Ammonium-N, in presence or absence of nitrite
7C1e	Nitrate-N, in presence of nitrite
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded