

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0654 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 27/10/98
Map Ref.:
Northing/Long.: 6232154 AMG zone: 50
Easting/Lat.: 487498 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

Landform

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 3 %
Pattern Type: Rises
Relief: No Data
Slope Category: No Data
Aspect: 135 degrees

Surface Soil Condition Firm

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

Soil Classification

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

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

Vegetation

Surface Coarse Fragments No surface coarse fragments

Profile Morphology

A11 0 - 0.1 m Very dark brown (10YR2/2-Moist); ; Fine sandy loam; Single grain grade of structure;
 Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments;

 B11c 0.1 - 0.15 m Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Single grain grade of structure;
 Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments;

 B21t 0.15 - 0.35 m Yellowish brown (10YR5/8-Moist); , 2.5YR4/6, 10-20% , 0-5mm, Distinct; Light clay;
 Massive grade of structure; Earthy fabric;

Morphological Notes

Observation Notes

Site Notes

Site on lower part of rise above saline drainage area. Profile very hard. Sample collected for sodicity analysis.

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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				%
0.15 - 0.35	4.7B 5.7H	4B	1.84H	2.52	<0.02	0.12	0.21J		4.49D	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle Size Analysis
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		C Clay	P	P	N	K	Density	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.15 - 0.35									26l		5.5
68.5											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - 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_MG	Exchangeable bases, CEC and AEC 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