

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0691 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 05/11/98
Map Ref.:
Northing/Long.: 6205420 AMG zone: 50
Easting/Lat.: 491779 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: Mid-slope
Elem. Type: Hillslope
Slope: 4 %
Pattern Type: Rises
Relief: No Data
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: Mottled Mesotrophic Yellow 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 10-20%, , subrounded, Granite

Profile Morphology

A11 0 - 0.1 m Dark brown (10YR3/3-Moist); ; Sandy loam; Single grain grade of structure; Sandy (grains prominent)
 fabric; Dry; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 5.7 (pH meter);
 B11 0.1 - 0.4 m Yellowish brown (10YR5/8-Moist); ; Coarse sandy clay loam; Single grain grade of structure; Sandy
 (grains prominent) fabric; Dry; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
 Field pH 6 (pH meter);
 B21t 0.4 - 0.6 m Brownish yellow (10YR6/8-Moist); , 2.5Y48, 10-20% , 0-5mm, Distinct; , 2.5Y68, 10-20% , 0-5mm, Faint;
 Light clay; Weak grade of structure, <2 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Field pH 6
 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site midslope above drainage line. 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				%
0.4 - 0.6	5.5B 6.2H	3B	1.54H	3.2	<0.02	0.12			4.87D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0.4 - 0.6 68									24l		8

Laboratory Analyses Completed for this profile

15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
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
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_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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_BA	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