

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0725 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 13/11/98
Map Ref.:
Northing/Long.: 6210456 AMG zone: 50
Easting/Lat.: 483268 Datum: AGD84
Locality:
Elevation: No Data
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

Landform

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 3 %
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:
 Ferric Mesotrophic Yellow Chromosol
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 2-10%, , subrounded, Ironstone

Profile Morphology

A11 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Dry; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 5.9 (pH meter); Clear change to -
 A21c 0.1 - 0.2 m Brown (10YR5/3-Moist); ; Loamy fine sand; Dry; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 6.4 (pH meter); Abrupt change to -
 B11c 0.2 - 0.4 m Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Dry; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 6.4 (pH meter); Clear change to -
 B21t 0.4 - 0.6 m Light brown (7.5YR6/4-Moist); ; Light clay; Dry; Field pH 6.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site midslope on rise. 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	5.1B 6.2H	2B	1.37H	0.94	0.02	0.05	0.04J		2.38D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
		Clay						GV CS FS Silt

m	%	%	mg/kg	%	%	%	Mg/m3	%
0.4 - 0.6								
34							54.5l	11.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - 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_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_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASIS	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