

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0681 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 04/11/98
Map Ref.:
Northing/Long.: 6229332 AMG zone: 50
Easting/Lat.: 482491 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: No Data
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: Ferric Mesotrophic Yellow Chromosol
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
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; 2-10%, , subrounded, Ferricrete

Profile Morphology

A11 0 - 0.1 m Dark brown (10YR3/3-Moist); ; Loamy fine sand; Moderately moist; 20-50%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 5.8 (pH meter);
 B11c 0.1 - 0.35 m Yellowish brown (10YR5/6-Moist); ; Fine sandy clay loam; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 6.1 (pH meter);
 B21t 0.35 - 0.55 m Brownish yellow (10YR6/8-Moist); ; Sandy light clay; Moderately moist; 10-20%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 5.8 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site in drainage swale on upper part of rise. On crest of rise ferricrete boulders common. Sample collected for sodicity analysis.

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0.35 - 0.55	5.6B 6.3H	3B	1.12H	1.43	0.04	0.16			2.75D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
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m	%	%	mg/kg	%	%	%	Mg/m3	%
0.35 - 0.55							57.5l	8
34.5								

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_CMb	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
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_BASbS	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