

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0679 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 04/11/98
Map Ref.:
Northing/Long.: 6236509 AMG zone: 50
Easting/Lat.: 481848 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 2 %
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 Subnatric Yellow Sodosol
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 No surface coarse fragments

Profile Morphology

A11h 0 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 6 (pH meter); Clear change to -
 A21c 0.15 - 0.35 m Yellowish brown (10YR5/4-Moist); ; Loamy sand; Single grain grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; 10-20%, medium gravelly, 6-20mm, coarse fragments; Field pH 6.4 (pH meter); Gradual change to -
 A22c 0.35 - 0.6 m Yellowish brown (10YR5/4-Moist); ; Clayey sand; Single grain grade of structure; Moist; 50-90%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 6.6 (pH meter); Clear change to -
 B21t 0.6 - 0.8 m Brownish yellow (10YR6/8-Moist); ; Sandy light clay; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, Ferricrete, coarse fragments; Field pH 6.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site on toe of rise above saline drainage area. 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				%

0.6 - 0.8	5.8B 6.6H	9B	0.76A	2.51	0.04	0.5					3.81D
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Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.6 - 0.8 26.5								65.5l 8

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
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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