Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0699** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 10/11/98
Map Ref.:
Northing/Long.: 6223706 AMG zone: 50
Easting/Lat.: 476038 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly 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: Plain

Morph. Type: Open depression (vale)
Elem. Type: Drainage depression
Slope: 2 %
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:
Acidic-Sodic Kurosolic Salic Hydrosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance

Cultivation. Rainfed

Vegetation

Surface Coarse Fragments

No surface coarse fragments

Profile Morphology

A11 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Loamy fine sand; Field pH 4.9 (pH meter); Abrupt change to -

A21 0.1 - 0.5 m Dark yellowish brown (10YR4/4-Moist); ; Loamy sand; Field pH 5 (pH meter); Abrupt change to -

B21 0.5 - 0.75 m Dark grey (2.5Y4/1-Moist); , 10YR68, 20-50% , 0-5mm, Prominent; Fine sandy light clay; Field pH 4.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site close to drainage line on a bluegum plantation. EC. of drainage line 8300 mS/m. Sample collected for sodicty analysis.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0.5 - 0.75	4.1B 4.7H	61B	1.16H	8.45	0.03	3.63	0.98J		13.27D	

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			%	

0.5 - 0.75		56.5I	1.5
42			

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	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_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