

**Project Name:** Tonebridge land resources survey  
**Project Code:** TON **Site ID:** 0649 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Angela Stuart-Street  
**Date Desc.:** 27/10/98  
**Map Ref.:**  
**Northing/Long.:** 6236863 AMG zone: 50  
**Easting/Lat.:** 490939 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 plains <9m 1-3%  
**Pattern Type:** Flood plain

**Morph. Type:** Flat  
**Elem. Type:** Terrace plain  
**Slope:** 1 %  
**Relief:** No Data  
**Slope Category:** No Data  
**Aspect:** 0 degrees

**Surface Soil Condition** Soft

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

**Soil Classification**

**Australian Soil Classification:** Mottled Natric Brown Kurosol  
**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**

A11 0 - 0.05 m Dark brown (10YR3/3-Moist); ; Loamy sand; Moist; Field pH 5.7 (pH meter); Gradual change to -  
 A21 0.05 - 0.15 m Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Moist; Field pH 5.1 (pH meter); Gradual change to -  
 A22 0.15 - 0.25 m Dark yellowish brown (10YR4/6-Moist); ; Clayey sand; Moist; Field pH 4.8 (pH meter); Gradual change to -  
 A23 0.25 - 0.5 m Dark yellowish brown (10YR4/6-Moist); ; Clayey sand; Moist; Field pH 4.9 (pH meter); Clear change to -  
 B21t 0.5 - 0.7 m Yellowish brown (10YR5/8-Moist); , 2.5Y56, 20-50% , 0-5mm, Distinct; Sandy light clay; Moist; Field pH 5.1 (pH meter);

**Morphological Notes**

**Observation Notes**

**Site Notes**

Site on broad drainage flat - Surface scalding common nearby. Clay is domed. 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				%
0.5 - 0.7	4.8B	44B	0.5H	2.38	0.05	0.34	0.02J		3.27D	

# 5.1H

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3				%	
0.5 - 0.7 29										67.5l		3.5

## 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_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