

**Project Name:** Tonebridge land resources survey  
**Project Code:** TON **Site ID:** 0782 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Angela Stuart-Street  
**Date Desc.:** 26/11/98  
**Map Ref.:**  
**Northing/Long.:** 6204761 AMG zone: 50  
**Easting/Lat.:** 480803 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:** Level plain <9m <1%  
**Morph. Type:** Flat  
**Elem. Type:** Plain  
**Slope:** 0.5 %  
**Pattern Type:** Alluvial plain  
**Relief:** No Data  
**Slope Category:** No Data  
**Aspect:** No Data

**Surface Soil Condition** Soft

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

**Soil Classification**

**Australian Soil Classification:**  
 Ferric Sodosolic Salic Hydrosol  
**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** No surface coarse fragments

**Profile Morphology**

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Moist; Field pH 5.1 (pH meter); Sharp change to -
A21	0.1 - 0.2 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Moist; Field pH 5.2 (pH meter); Gradual change to -
B21c	0.2 - 0.45 m	Light yellowish brown (10YR6/4-Moist); ; Sandy clay loam; Single grain grade of structure; Sandy
		(grains prominent) fabric; Moist; 50-90%, medium gravelly, 6-20mm, subrounded,
		Ironstone, coarse
		fragments; Field pH 6.2 (pH meter); Gradual change to -
B22tc	0.45 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; 10YR68, 10-20% , 0-5mm, Distinct; Light clay; Massive grade
		of structure; Sandy (grains prominent) fabric; Moist; 50-90%, medium gravelly, 6-20mm,
		subrounded,
		Ironstone, coarse fragments; Field pH 6.3 (pH meter);

**Morphological Notes**

**Observation Notes**

**Site Notes**

Site on broad alluvial plain - salt scalding on surface. Sample collected for sodicity analysis.

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg K	Na	Acidity			%
					Cmol (+)/kg				
0.45 - 0.7	5.9B	44B	1.18H	2.66	0.04	2.11	0.04J	5.99D	

6.4H

Depth	CaCO <sub>3</sub>	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m <sup>3</sup>				%	
0.45 - 0.7 34										63.5l		2.5

**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 (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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_BA	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