

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0792 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street	Locality:
Date Desc.: 08/12/98	Elevation: No Data
Map Ref.:	Rainfall: No Data
Northing/Long.: 6208504 AMG zone: 50	Runoff: No Data
Easting/Lat.: 475985 Datum: AGD84	Drainage: Poorly drained

Geology

ExposureType: Soil pit	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Landform

Rel/Slope Class: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: No Data
Slope: 0.5 %	Aspect: No Data

Surface Soil Condition Soft

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

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Basic Petroferric Bleached-Leptic Hydrosol	Principal Profile Form: N/A
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

Site Disturbance Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation

Surface Coarse Fragments No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); , 7.5YR44, 2-10% , 0-5mm, Faint; Loamy sand; Single grain
		grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Clear, Smooth change to -
A21e	0.08 - 0.35 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric;
		Moderately moist; Loose consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse
		fragments; Abrupt, Wavy change to -
A22	0.35 - 0.5 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; 2-10%, fine gravelly, 2-6mm, subrounded,
		Ironstone, coarse fragments; 2-10%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse
		fragments; Sharp, Wavy change to -
Cm	0.5 - m	; Ferricrete, Moderately cemented, Massive;

Morphological Notes

Cm Ferricrete layer.

Observation Notes

Site Notes

Soil pit on broad alluvial plain.

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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 - 0.08	3.8B 4.4H	23B	0.39H	0.25	<0.02	0.37	0.46J	1.02D
0.08 - 0.35	4.5B 5.4H	4B	0.13H	0.07	<0.02	0.14	0.05J	0.35D
0.35 - 0.5	5.5B 6.6H	8B	0.58A	0.86	0.03	0.4		1.87D

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.08 2.3		1.03D		70B				3.3
0.08 - 0.35 0.7		0.13D		23B				1.3
0.35 - 0.5 4.7		0.3D		29B				2.6

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15A1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) 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
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_Nr_C	Clay (%) - Not recorded
P10_Nr_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_Nr_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)

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P10150_180 150 to 180u particle size analysis, (method not recorded)
P10180_300 180 to 300u particle size analysis, (method not recorded)
P10300_600 300 to 600u particle size analysis, (method not recorded)
P106001000 600 to 1000u particle size analysis, (method not recorded)