

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0799 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street	Locality:
Date Desc.: 10/12/98	Elevation: No Data
Map Ref.:	Rainfall: No Data
Northing/Long.: 6233363 AMG zone: 50	Runoff: No Data
Easting/Lat.: 488023 Datum: AGD84	Drainage: Poorly drained

Geology

ExposureType: Auger boring	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Landform

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Drainage depression	Slope Category: No Data
Slope: 1 %	Aspect: 0 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Acidic-Sodic Kurosolic Redoxic 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; No surface coarse fragments

Profile Morphology

A1p 0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Sandy
subangular, Quartz,	(grains prominent) fabric; Moist; Loose consistence; 0-2%, fine gravelly, 2-6mm, coarse fragments; Abrupt, Smooth change to -
A2e 0.1 - 0.4 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Sand; Single grain grade of structure;
Sandy (grains	prominent) fabric; Moist; Loose consistence; 2-10%, medium gravelly, 6-20mm, coarse fragments; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
subrounded, Ironstone,	
Abrupt change to	-
B2c 0.4 - 0.6 m	Light grey (10YR7/2-Moist); Mottles, 10YR68, 20-50% , 0-5mm, Prominent; Sandy light
clay; Massive	grade of structure; Sandy (grains prominent) fabric; Wet; Very weak consistence; 10-20%,
medium	gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; 2-10%, medium gravelly, 6-
20mm,	subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Auger hole in paddock, close to drainage line. Water just seeping in at base of hole but not enough to sample. Clay layer quite sloppy. Water level - >60+

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	4.7B 5.8H	8B	2.17H	1.11	0.02	0.3	0.16J	3.6D	
0.1 - 0.4	4.4B 5.6H	3B	0.26H	0.27	<0.02	0.11	0.11J	0.65D	
0.4 - 0.6	4.6B 5.1H	20B	0.58H	2.02	<0.02	0.4	0.04J	3.01D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.1		2.02D		80B					4.4
4.5									
0.1 - 0.4		0.25D		26B					3.5
4.7									
0.4 - 0.6		0.2D		23B					2.2
30.3									

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
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_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) 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
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)
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)