

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0672 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 29/10/98
Map Ref.:
Northing/Long.: 6214594 AMG zone: 50
Easting/Lat.: 495136 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: No Data
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: Mapping Unit: N/A
 Ferric Natric Yellow Kurosol 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 2-10%, , ,

Profile Morphology

A11 0 - 0.1 m Black (10YR2/1-Moist); ; Sandy loam; 2-10%, fine gravelly, 2-6mm, subrounded,
 Ironstone, coarse fragments; 2-10%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments;
 A21 0.1 - 0.4 m Yellowish brown (10YR5/4-Moist); ; Clayey sand; 20-50%, medium gravelly, 6-20mm,
 subrounded, Ironstone, coarse fragments;
 B21t 0.4 - 0.6 m Brownish yellow (10YR6/8-Moist); Mottles, 2.5YR48, 2-10% , 0-5mm, Prominent; ,
 2.5Y58, 10-20% , 0-5mm, Faint; Light clay; 10-20%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse
 fragments; Field pH 5.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site on toe of rise above Gordon flats map unit. Pale yellow gravelly sand over yellow mottled clay. Upper layers
 seemed quite compacted.
 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	Cmol (+)/kg	Acidity			%
0.4 - 0.6	5.1B 5.3H	70B	0.25H	6.71	<0.02	1.33	0.02J	8.3D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0.4 - 0.6									19l		5.5
75.5											

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_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 (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
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