

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0734 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 17/11/98
Map Ref.:
Northing/Long.: 6185039 AMG zone: 50
Easting/Lat.: 490072 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: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
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: Ferric Subnatric Yellow Sodosol
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance No effective disturbance. Natural

Vegetation

Surface Coarse Fragments 2-10%, , subrounded, Ironstone

Profile Morphology

A11	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Dry; 10-20%, medium gravelly, 6-20mm, subrounded,
		Ironstone, coarse fragments; Clear change to -
A21c	0.1 - 0.4 m	Greyish brown (10YR5/2-Moist); ; Loamy sand; Dry; 50-90%, medium gravelly, 6-20mm, subrounded,
		Ironstone, coarse fragments; Gradual change to -
A22c	0.4 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Loamy coarse sand; Moderately moist; 20-50%, medium gravelly, 6-
		20mm, subrounded, Ironstone, coarse fragments; 20-50%, fine gravelly, 2-6mm, subangular, Quartz,
		coarse fragments; Abrupt change to -
B21t	0.6 - 0.8 m	Yellow (10YR7/6-Moist); ; Coarse sandy light clay; Moderately moist; 20-50%, fine gravelly, 2-6mm,
		subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Site midslope on gentle rise. Gravelly brown sand over yellow clay. 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				%
0.6 - 0.8	5B 6.1H	3B	0.73H	1.45	0.1	0.16	0.02J		2.44D	

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			%	
0.6 - 0.8 39									56.5l		4.5

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 ²⁺ ,Mg ²⁺ ,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