

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0658 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 28/10/98
Map Ref.:
Northing/Long.: 6228645 AMG zone: 50
Easting/Lat.: 492639 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: Upper-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: No Data
Slope Category: No Data
Aspect: 45 degrees

Surface Soil Condition Soft

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

Soil Classification

Australian Soil Classification: Mottled Mesotrophic Brown Kandosol
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments No surface coarse fragments

Profile Morphology

A1p 0 - 0.1 m Dark brown (10YR3/3-Moist); ; Sandy loam; Single grain grade of structure; Sandy (grains prominent)
 fabric; Moist; Loose consistence; Field pH 5.8 (pH meter); Clear change to -
B11 0.1 - 0.25 m Yellowish brown (10YR5/6-Moist); ; Coarse sandy clay loam; Single grain grade of structure; Sandy
 (grains prominent) fabric; Moist; Loose consistence; Field pH 5.8 (pH meter); Gradual change to -
B21t 0.25 - 0.5 m Yellowish brown (10YR5/8-Moist); , 7.5YR58; Sandy light clay; Massive grade of structure; Sandy
 (grains prominent) fabric; Moist; Very weak consistence; Field pH 6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site midslope, on long rise, in Canola crop. 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				%
0.25 - 0.5	4.7B 5.8H	4B	1.75H	2.9	0.04	0.18	0.14J		4.87D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
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m	%	Clay %	mg/kg	%	%	%	Mg/m3	%
0.25 - 0.5								
51.5							391	9.5

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 (Ca2+,Mg2+,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