

Project Name: EDEN BURNING STUDY AREA
Project Code: 1000638 **Site ID:** EDB_SA26 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P. Ryan	Locality:	
Date Desc.:	19/07/87	Elevation:	320 metres
Map Ref.:	Sheet No. : 8823 1:25000	Rainfall:	No Data
Northing/Long.:	5877720 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	735670 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Upper-slope	Relief:	0 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	15 %	Aspect:	0 degrees

Surface Soil Condition (dry): Loose

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Uc2.21
		Great Soil Group:	Yellow podzolic soil

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse Fragments: 20-50%, fine gravelly, 2-6mm, subangular, Quartz; No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Loamy coarse sand; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Many, medium (2-5mm) roots; Clear, Irregular change to -
A2c	0.1 - 0.26 m	Light grey (2.5Y7/2-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Common, medium (2-5mm) roots; Clear, Wavy change to -
B1	0.26 - 0.37 m	Very pale brown (10YR7/3-Moist); ; Clayey coarse sand; Weak grade of structure, 10-20 mm, Angular blocky; Sandy (grains prominent) fabric; Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded platy, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Few, medium (2-5mm) roots; Clear, Wavy change to -
B2	0.37 - 0.6 m	Yellow (2.5Y7/6-Moist); ; Clayey coarse sand; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Wet; Firm consistence; 20-50%, fine gravelly, 2-6mm, subangular, undisturbed, coarse fragments; Field pH 6 (Raupach); Diffuse, Irregular change to -
BC	0.6 - 0.9 m	; 20-50%, fine gravelly, 2-6mm, subangular, undisturbed, coarse fragments; Diffuse, Irregular change to -
C	0.9 - 0.91 m	;

Morphological Notes

C Lower level is nominal. No lower depth given.

Observation Notes

Rocky hillcrest above site.

Site Notes

PLOT 103

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Exchangeable Cations			Exchangeable Acidity Na Cmol (+)/kg	CEC	ECEC	ESP %
			Ca	Mg	K				
0 - 0.075	4.25I 5.15H		4.5F	0.59	0.04	0.03		0.07G	
0.1 - 0.26	4.02I 5.13H		0.54F	0.44	0.12	0.07		0.2G	
0.3 - 0.38	3.98I 5.26H		0.05F	0.47	0.11	0.08		0.2G	
0.37 - 0.6	3.97I 5.24H		0.28F	0.73	0.15	0.16		0.3G	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.075		4.97A		35F	<0.01E			23.3				
0.1 - 0.26		0.28A		13F	<0.01E			32.2				
0.3 - 0.38		1.07A		13F	<0.01E			18.1				
0.37 - 0.6		0.89A		14F	<0.01E			24.9				

[illegible]

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Laboratory Analyses Completed for this profile

15D1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_K	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_MG	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_NA	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15G_C_AL2	Exchangeable aluminium - meq per 100g of soil - Aluminium By KCl extraction and detremination By AAS
2A1	Air-dry moisture content
4A_C_1	pH of soil - pH of 1:1 soil/water suspension
4C_C_1	pH of 1:1 soil/1M potassium chloride suspension
6A1	Organic carbon - Walkley and Black
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)