

Project Name: EDEN BURNING STUDY AREA
Project Code: 1000638 **Site ID:** EDB_SA61 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P. Ryan	Locality:	
Date Desc.:	10/09/87	Elevation:	230 metres
Map Ref.:	Sheet No. : 8823 1:25000	Rainfall:	No Data
Northing/Long.:	5876430 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	734340 Datum: AGD66	Drainage:	Rapidly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Mid-slope	Relief:	0 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	33 %	Aspect:	180 degrees

Surface Soil Condition (dry): Loose

Erosion: Partial, Minor (sheet)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Uc5.21
		Great Soil Group:	Brown earth

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

Vegetation:

Surface Coarse Fragments: 20-50%, fine gravelly, 2-6mm, subangular, ; 20-50%, cobbly, 60-200mm, subangular, ; No surface coarse fragments

Profile Morphology

O1	0 - 0.03 m	Organic Layer; ; Coarse sandy loam; Moist; Clear, Irregular change to -
A1	0.03 - 0.13 m	Black (10YR2/1-Moist); ; Coarse sandy loam; Weak grade of structure, 2-5 mm, Granular; Earthy fabric; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; 20-50%, cobbly, 60-200mm, subangular, dispersed, coarse fragments; Field pH 4.5 (Raupach); Abundant, fine (1-2mm) roots; Many, medium (2-5mm) roots; Many, coarse (>5mm) roots; Gradual, Irregular change to -
B1	0.13 - 0.28 m	Dark brown (10YR3/3-Moist); ; Coarse sandy loam; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; 20-50%, cobbly, 60-200mm, subangular, dispersed, coarse fragments; Field pH 5 (Raupach); Abundant, fine (1-2mm) roots; Many, medium (2-5mm) roots; Many, coarse (>5mm) roots; Abrupt, Wavy change to -
B2	0.28 - 0.48 m	Dark yellowish brown (10YR4/4-Moist); ; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Firm consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; 20-50%, cobbly, 60-200mm, subangular, dispersed, coarse fragments; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Many, medium (2-5mm) roots;

Morphological Notes

Observation Notes

Shallow soil on steep rocky drainage line.

Site Notes

DP24 - drainage line on steep slope

Project Name: EDEN BURNING STUDY AREA
Project Code: 1000638 Site ID: EDB_SA61 Observation ID: 1
Agency Name: CSIRO Division of Soils (ACT)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		Ca	Mg	K	Na	Acidity			
m		dS/m			cmol (+)/kg				%

0.03 - 0.11	3.86I 4.57H	0.03F	1.06	0.2	0.08	0.62G
0.33 - 0.41	3.56I 4.61H	1.1F	1.11	0.34	0.13	3.33G

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle			Analysis	
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.03 - 0.11		7.8A		65F	<0.01E						27.3	
0.33 - 0.41		2.36A		39.9F	<0.01E						34.8	

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0.03 - 0.11										
0.33 - 0.41										

Project Name: EDEN BURNING STUDY AREA
Project Code: 1000638 **Site ID:** EDB_SA61 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

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
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 (%)