

Project Name: BAGO-MARAGLE ESM
Project Code: BGM_ESM **Site ID:** 1008 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P. Ryan	Locality:	
Date Desc.:	15/12/94	Elevation:	1242 metres
Map Ref.:	Sheet No. : 8526 DGPS	Rainfall:	No Data
Northing/Long.:	6047038 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	607318 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	SGGH	Substrate Material:	Granodiorite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	18 %	Aspect:	270 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Acidic Mesotrophic Brown Kandosol Medium Non-gravelly Loamy Clay-loamy Very deep	Principal Profile Form:	Gn2.41
ASC Confidence:	Great Soil Group:	Brown earth

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, subrounded tabular, Granodiorite; 2-10%, cobbly, 60-200mm, subrounded tabular, Granodiorite

Profile Morphology

O1	0 - 0.02 m	Organic Layer; ;
A1	0.02 - 0.14 m	Dark brown (7.5YR3/2-Moist); Biological mixing, 10-20% , Faint; Loam; Moderate grade of structure, 5-10 mm, Polyhedral; 100-200 mm, Lenticular; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Slightly sticky; Field pH 5.5 (pH meter); Many, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Common, medium (2-5mm) roots; Common, coarse (>5mm) roots; Clear, Wavy change to -
B1	0.14 - 0.33 m	Dark brown (7.5YR3/3-Moist); Biological mixing, 10-20% , Faint; Clay loam; Moderate grade of structure, 5-10 mm, Polyhedral; 100-200 mm, Lenticular; Rough-ped fabric; Moderately moist; Weak consistence; Slightly plastic; Slightly sticky; Field pH 5.5 (pH meter); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Common, coarse (>5mm) roots; Gradual, Smooth change to -
B21	0.33 - 0.57 m	Dark brown (7.5YR3/4-Moist); Biological mixing, 2-10% , Distinct; Clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; Moderately plastic; Slightly sticky; Few cutans, <10% of ped faces or walls coated, faint; Field pH 5 (pH meter); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Few, coarse (>5mm) roots; Diffuse, Smooth change to -
B22	0.57 - 1.17 m	Strong brown (7.5YR4/6-Moist); Biological mixing, 2-10% , Distinct; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; Moderately plastic; Few cutans, <10% of ped faces or walls coated, faint; Field pH 5 (pH meter); Few, very fine (0-1mm) roots;
B3	1.17 - 1.32 m	Yellowish brown (10YR5/6-Moist); ; Coarse sandy loam; Slightly plastic; Slightly sticky; Field pH 5 (pH meter);
C	1.32 - 2.27 m	Light yellowish brown (2.5Y6/4-Moist); ; Clayey sand; Field pH 5.5 (pH meter);

Morphological Notes

B22	Common muscovite mica in sand fraction.
B3	Same as 4.
C	Same as 4.

Observation Notes

Project Name: BAGO-MARAGLE ESM
Project Code: BGM_ESM **Site ID:** 1008 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Northern midslope edge of trial. Vigourous and numerous regrowth ash.

Site Notes

VI/1.13 ALPINE ASH CROWTH PLOT

Observation ID: 1

[illegible]

Project Name: BAGO-MARAGLE ESM
Project Code: BGM_ESM **Site ID:** 1008 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - 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
15E1_H	Exchangeable H - 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
2A1	Air-dry moisture content
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1
6B2	Total organic carbon - high frequency induction furnace, volumetric
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
P10_GRAV	Gravel (%)
P3A1	Bulk density - g/cm3