

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN172 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

<b>Desc. By:</b>	G. W. Geeves	<b>Locality:</b>	
<b>Date Desc.:</b>	11/10/88	<b>Elevation:</b>	240 metres
<b>Map Ref.:</b>	Sheet No. : 8328 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6137600 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	526000 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	7 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	180 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
N/A		<b>Principal Profile Form:</b>	GN2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Sod grass, <0.25m, Closed or dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

Ap	0 - 0.2 m	Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam (Heavy);
B1	0.2 - 0.4 m	Dark red (2.5YR3/6-Moist); ; Clay loam, fine sandy;
B21	0.4 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Clay loam;
B22	0.6 - 0.8 m	, 2.5YR48, 10-20% , 0-5mm, Distinct; Fine sandy clay;

**Morphological Notes**

**Observation Notes**

Very good grazing, clover=grasses. On midslope of rise 200m to north. May be sand ridge. Euc spp and cypress pine on crest. Gradational red profile with fine sand, RE.

**Site Notes**

Malebo Range

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	4.64B		2.77K	0.74	0.65	0.04			
0.1 - 0.2	4.72B		3.62K	1.03	0.53	0.03			
0.2 - 0.3	4.96B		4.03K	1.52	0.44				
0.3 - 0.4	5.11B		4.09K	1.78	0.35	0.03			
0.4 - 0.5	5.43B								
0.7 - 0.8	5.81B								

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**Laboratory Analyses Completed for this profile**

13_NR_AL	Extractable Al(%) - Not recorded
13_NR_MN	Extractable Mn(%) - Not recorded
15_NR_AL	Exchangeable aluminium - method not recorded
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct