

Project Name: ESK
Project Code: ESK **Site ID:** H260 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	4.1KM SW of Cressy on property "Bronbe":90M S of Rd fence and 132M from western paddock fence:
Date Desc.:	29/10/63	Elevation:	172 metres
Map Ref.:		Rainfall:	690
Northing/Long.:	147.0375	Runoff:	Moderately rapid
Easting/Lat.:	-41.7125	Drainage:	Moderately well drained

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Clay

Land Form

Rel/Slope Class:	Rolling hills 90-300m 10-32%	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Gently inclined
Slope:	2 %	Aspect:	315 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatric Brown Sodosol		Principal Profile Form:	Db2.21
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Clay loam; Weak grade of structure, <2 mm, Subangular blocky; Moist; Weak consistence; 2-10%, Gravel, coarse fragments; ManyDiffuse change to -
Ap	0.1 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Clay loam; Weak grade of structure, 2-5 mm, Subangular blocky; Moist; Weak consistence; 2-10%, Gravel, coarse fragments; ManySharp change to -
A2	0.15 - 0.19 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy clay loam; Massive grade of structure; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, rounded, Gravel, coarse fragments; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Nodules; ManyClear change to -
A3sb	0.19 - 0.23 m	Brown (10YR4/3-Moist); ; Light clay; Weak grade of structure, <2 mm, Subangular blocky; Moist; Weak consistence; 0-2%, Gravel, coarse fragments; ManyClear change to -
B1	0.23 - 0.33 m	Brown (10YR4/3-Moist); ; 2.5YR36; ; 10YR42; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence; 2-10%, Gravel, coarse fragments; ManyDiffuse change to -
B1B2	0.33 - 0.46 m	Brown (10YR4/3-Moist); ; 2.5YR36; Medium heavy clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Slightly plastic; Normal plasticity; 2-10%, Gravel, coarse fragments; ManyDiffuse change to -
	0.51 - 0.61 m	Brown (10YR4/3-Moist); ; 5YR46; Medium heavy clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately plastic; Normal plasticity; FewDiffuse change to -
	0.71 - 0.81 m	Brown (10YR4/3-Moist); ; 10YR44; ; 5YR46; Medium heavy clay; Massive grade of structure; Smooth-ped fabric; Weak consistence; FewDiffuse change to -
	0.94 - 1.07 m	Brown (10YR4/3-Moist); ; 10YR44; ; 5YR46; Medium heavy clay; Massive grade of structure; Smooth-ped fabric; Moderately plastic; Normal plasticity; Sharp change to -
	1.07 - 1.22 m	Brown (10YR4/3-Moist); ; 10YR52; ; 5YR46; Medium heavy clay; Massive grade of structure; Smooth-ped fabric; Moderately plastic; Normal plasticity; Diffuse change to -

Morphological Notes

Observation Notes

0-15CM SOME WORM ACTIVITY:19-23CM CHARCOAL ALSO:

Site Notes

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QUAMBY

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[illegible]

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Laboratory Analyses Completed for this profile

15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble
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
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A_HCL	Total element - P(%) - By boiling HCl
P10_GRAV	Gravel (%)
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette