

Project Name: ESK
Project Code: ESK **Site ID:** H270 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	Site T6 of national fertility project:3.2KM NTH along h'way from Campbell Town:169M from Rd + 25M from S fence:
Date Desc.:	21/04/67	Elevation:	213 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	147.48	Runoff:	No Data
Easting/Lat.:	-41.90833333	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Ferrosol		Principal Profile Form:	Gn4.13
ASC Confidence:		Great Soil Group:	Krasnozern
No analytical data and little or no knowledge of this soil.			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: 2-10%, , , Basalt

Profile Morphology

0 - 0.05 m	Dark reddish brown (5YR3/4-Moist); Yellowish red (5YR4/6-Dry); ; Loam (Heavy); Massive grade of structure; Strong consistence; Non-plastic; 0-2%, Substrate material, coarse fragments;
0.05 - 0.1 m	Dark reddish brown (5YR3/4-Moist); Yellowish red (5YR4/6-Dry); ; Loam (Heavy); Massive grade of structure; Strong consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.1 - 0.15 m	Dark reddish brown (5YR3/4-Moist); Yellowish red (5YR4/6-Dry); ; Loam (Heavy); Weak grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Strong consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.15 - 0.2 m	Dark reddish brown (5YR3/4-Moist); Yellowish red (5YR4/6-Dry); ; Clay loam; Weak grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Strong consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.2 - 0.3 m	Dark reddish brown (5YR3/4-Moist); ; Light clay; Moderate grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Weak consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.3 - 0.4 m	Dark reddish brown (2.5YR3/4-Moist); , N20, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Weak consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.4 - 0.5 m	Dark red (2.5YR3/6-Moist); , 5YR44; , N20; Medium clay; Weak grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Weak consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.5 - 0.6 m	Dark red (2.5YR3/6-Moist); , 5YR44; , N20; Medium clay; Weak grade of structure, <2 mm, Subangular blocky; Rough-ped fabric; Weak consistence; Non-plastic; 0-2%, Gravel, coarse fragments;
0.6 - 0.7 m	Dark reddish brown (2.5YR3/4-Moist); , N20; Light clay; Massive grade of structure; Weak consistence; Non-plastic; 0-2%, Gravel, coarse fragments; , Unidentified, Fine (0 - 2 mm), ;
0.7 - 0.8 m	Dark reddish brown (2.5YR3/4-Moist); , N20; Light clay; Massive grade of structure; Weak consistence; Non-plastic; 2-10%, Gravel, coarse fragments; , Unidentified, Fine (0 - 2 mm), ;

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0.8 - 0.9 m	Dark reddish brown (2.5YR3/4-Moist); , N20; Medium clay (Heavy); Massive grade of structure; Firm consistence; Non-plastic; 2-10%, Gravel, coarse fragments; , Unidentified, , Concretions;
0.9 - 1 m	Dark red (2.5YR3/6-Moist); , N20; Light medium clay (Heavy); Massive grade of structure; Firm consistence; Non-plastic; 0-2%, Gravel, coarse fragments; , Unidentified, , Concretions;
1.12 - 1.2 m	Red (2.5YR4/6-Moist); , 5YR48; Medium clay (Heavy); Massive grade of structure; Very firm consistence; Moderately plastic; 0-2%, Gravel, coarse fragments;
1.2 - 1.4 m	Strong brown (7.5YR4/6-Moist); , 5YR48; Medium clay; Massive grade of structure; Very firm consistence; Moderately plastic; 0-2%, Gravel, coarse fragments;
1.4 - 1.58 m	Strong brown (7.5YR4/6-Moist); , 10YR53; , 2.5YR36; Medium clay; Massive grade of structure; Very firm consistence; Moderately plastic; 0-2%, Gravel, coarse fragments;
1.58 - 1.7 m	Strong brown (7.5YR4/6-Moist); , 10YR52; , 2.5YR36; Medium clay; Massive grade of structure; Very firm consistence; Moderately plastic; 0-2%, Gravel, coarse fragments;
1.5 - 1.75 m	; Medium clay; Very firm consistence; Moderately plastic; 0-2%, coarse gravelly, 20-60mm, angular, Silcrete, coarse fragments;
1.85 - 1.9 m	Greenish grey (5G6/1-Moist); , 5YR56; Silty medium clay; Very firm consistence; Moderately plastic; 0-2%, Gravel, coarse fragments;
2.41 - 2.48 m	Dark yellowish brown (10YR4/6-Moist); , 5Y61; Silty medium clay; Very firm consistence; Moderately plastic; 0-2%, Gravel, coarse fragments;
2.95 - 3.02 m	Dark yellowish brown (10YR4/6-Moist); , 5Y61; Silty medium clay; Very firm consistence; Slightly plastic; 0-2%, Gravel, coarse fragments;

Morphological Notes

Observation Notes

SURFACE SCATTER OF BA FLOATERS + SMALL FRAGMENTS OF FERRUGINISED BA + SILCRETE:>230CM RESIDUAL TEXTURE OF W'D BA:

Site Notes

LAKE RIVER

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[illegible]

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0.15 - 0.2
0.2 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
0.8 - 0.9
0.9 - 1
1.12 - 1.2
1.2 - 1.4
1.4 - 1.58
1.58 - 1.7
1.85 - 1.9
2.41 - 2.48
2.95 - 3.02

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Laboratory Analyses Completed for this profile

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