

**Project Name:** FLI  
**Project Code:** FLI      **Site ID:** H103      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (TAS)

**Site Information**

<b>Desc. By:</b>	G.M. Dimmock	<b>Locality:</b>	.5CH south of site 140:4ML west of Lady Baron:1.5ML north west of Badger Corner:
<b>Date Desc.:</b>	24/03/54	<b>Elevation:</b>	30 metres
<b>Map Ref.:</b>	Sheet No. : 8517 1:100000	<b>Rainfall:</b>	760
<b>Northing/Long.:</b>	148.166666666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-40.216666666667	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	178 m deep,Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Pediment
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Parapanic Humosequic Semiaquic Podsol		<b>Principal Profile Form:</b>	Uc4.33
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Humus podzol
Analytical data are incomplete but reasonable confidence.			

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

**Vegetation:** Low Strata - Sedge, , . \*Species includes - None recorded  
Mid Strata - Heath shrub, , . \*Species includes - None recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Sandy loam (Sapric); Single grain grade of structure; Moist; Weak consistence; Field pH 4.5 (pH meter); ManyDiffuse change to -
A1	0.1 - 0.25 m	Grey (10YR5/1-Moist); ; Loamy sand (Sapric); Single grain grade of structure; Moist; Loose consistence; ManyDiffuse change to -
A12	0.25 - 0.41 m	Grey (10YR5/1-Moist); , 10YR61; Sand; Single grain grade of structure; Moist; Loose consistence; Common
A2	0.41 - 0.53 m	Grey (10YR5/1-Moist); , 10YR61; Sand; Single grain grade of structure; Moist; Loose consistence; 2-10%, angular, Quartz, coarse fragments; Diffuse change to -
A2	0.53 - 0.61 m	Grey (10YR5/1-Moist); , 10YR61; Sand; Single grain grade of structure; Moist; Weak consistence; 2-10%, angular, Quartz, coarse fragments; Diffuse change to -
A2	0.61 - 0.71 m	Grey (10YR5/1-Moist); , 10YR42; , 10YR61; Sand; Single grain grade of structure; Moist; Weak consistence; 0-2%, angular, Quartz, coarse fragments; Sharp, Irregular change to -
B1	0.71 - 0.72 m	Very dark greyish brown (10YR3/2-Moist); , 10YR33; , 10YR56; Massive grade of structure; Moderately moist; Very strong consistence; 2-10%, angular, Quartz, coarse fragments; Organic pan, Moderately cemented, Massive; Sharp change to -
B1	0.72 - 0.89 m	Very pale brown (10YR7/3-Moist); , 10YR42; , 10YR56; Massive grade of structure; Moderately moist; Rigid consistence; 0-2%, angular, Quartz, coarse fragments; Silcrete, Very strongly cemented, Massive; Diffuse change to -
	0.89 - 1.09 m	Very pale brown (10YR7/3-Moist); , 10YR52; , 10YR71; Massive grade of structure; Rigid consistence; 2-10%, angular, Quartz, coarse fragments; Silcrete, Strongly cemented, Massive;
	1.24 - 1.35 m	Light grey (10YR7/1-Moist); , 10YR66; Sandy medium clay (Heavy); Massive grade of structure; Firm consistence; 0-2%, Quartz, coarse fragments;

**Morphological Notes**

**Observation Notes**

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71-72CM ORGANIC PAN:

**Site Notes**

COOMA

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

12_HCL_FE	Total element - Fe(%) - Total acid(HCl) extractable Fe
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
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 (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette