

Project Name: FLI
Project Code: FLI **Site ID:** H65 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	4.8km NNW of Whitemark 4.8km SE of Blue Rocks:
Date Desc.:	23/04/53	Elevation:	76 metres
Map Ref.:	Sheet No. : 8517 1:100000	Rainfall:	740
Northing/Long.:	148	Runoff:	Rapid
Easting/Lat.:	-40.0833333333334	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Granite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Yellow Sodosol	Principal Profile Form:	Dy5.62
ASC Confidence:	Great Soil Group:	Yellow podzolic soil
All necessary analytical data are available.		

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

Vegetation: Low Strata - Fern, 0.26-0.5m, Mid-dense. *Species includes - Pteridium esculentum

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Loamy coarse sand; Massive grade of structure; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; ManyDiffuse change to -
A1/A2	0.1 - 0.3 m	Light brown (7.5YR6/4-Moist); , 10YR42; Coarse sand; Massive grade of structure; Moist; Loose consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; ManyDiffuse change to -
A2	0.3 - 0.57 m	Light brown (7.5YR6/4-Moist); ; Coarse sand; Massive grade of structure; Moderately moist; Loose consistence; 2-10%, fine gravelly, 2-6mm, stratified, Gravel, coarse fragments; Common
B	0.57 - 0.62 m	Light grey (2.5Y7/2-Moist); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Weakly cemented; CommonDiffuse change to -
	0.62 - 0.89 m	Light grey (2.5Y7/2-Moist); , 10YR56; , 10YR81; Heavy clay; Massive grade of structure; Very weak consistence; 20-50%, fine gravelly, 2-6mm, Gravel, coarse fragments; Common
	0.91 - 1.07 m	Yellowish brown (10YR5/6-Moist); , 2.5Y72; , 10YR81; Heavy clay; Massive grade of structure; Very weak consistence; 20-50%, fine gravelly, 2-6mm, Gravel, coarse fragments; Few
C	1.12 - 1.5 m	Light grey (2.5Y7/2-Moist); , 10YR56; , 10YR81; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, Gravel, coarse fragments; Few
C	2.13 - 2.31 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, Gravel, coarse fragments;

Morphological Notes

Observation Notes

62-91CM MUCH (<50%) MICA FLAKES:112-213CM VERY ABUNDANT (<90%) MICA

Site Notes

METTA

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[illegible]

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Laboratory Analyses Completed for this profile

15_BASES	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
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
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 (%)
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette