

Project Name: FLI
Project Code: FLI **Site ID:** H36 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	On NW side of Cameron Inlet 5.7km from rd:
Date Desc.:	26/05/52	Elevation:	5 metres
Map Ref.:	Sheet No. : 8517 1:100000	Rainfall:	750
Northing/Long.:	148.2275	Runoff:	No Data
Easting/Lat.:	-40.1125	Drainage:	Imperfectly drained

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Site Disturbance:

Vegetation:

Mid Strata - Tree, 1.01-3m, Closed or dense. *Species includes - Leptospermum flavescens

Tall Strata - Tree, 1.01-3m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.09 m	Dark brown (7.5YR3/2-Dry); , 10YR32; Sandy loam (Sapric); Single grain grade of structure; Moist; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Diffuse change to -
A1A2	0.09 - 0.24 m	Dark grey (10YR4/1-Dry); ; Loamy sand; Single grain grade of structure; Moderately moist; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Diffuse change to -
A2	0.3 - 0.46 m	Grey (10YR5/1-Dry); ; Loamy sand; Single grain grade of structure; Moderately moist; 20-50%, rounded, Quartz, coarse fragments; Diffuse change to -
A2	0.46 - 0.61 m	Grey (10YR5/1-Dry); ; Sand; Single grain grade of structure; Moderately moist; 10-20%, rounded, Quartz, coarse fragments; Diffuse change to -
	0.61 - 0.81 m	Grey (10YR6/1-Dry); , 10YR52; Single grain grade of structure; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Diffuse, Wavy change to -
B1	0.86 - 1.09 m	Very dark brown (10YR2/2-Dry); ; Massive grade of structure; 2-10%, rounded, Quartz, coarse fragments; Organic pan, Strongly cemented, Massive;
	0.86 - 1.09 m	Very dark brown (10YR2/2-Dry); ; Massive grade of structure; Organic pan, Strongly cemented, Massive;

Morphological Notes

Observation Notes

SAMPLE 7 IS HARDPAN WITHOUT CONTAMINATION:86-109CM HARD PAN WITH POCKETS OF SOFTER LESS ORGANIC MATERIAL:NALA SERIES:

Site Notes

NALA

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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
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
6B3	Total organic carbon - high frequency induction furnace, infrared
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