

Project Name: FLI
Project Code: FLI **Site ID:** H41 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

| | | | |
|------------------------|------------------------------|-------------------|---|
| Desc. By: | K.D. Nicholls | Locality: | 1.2km NE of Logan Lagoon:11.3km from Lady Barron: |
| Date Desc.: | 29/05/52 | Elevation: | 15 metres |
| Map Ref.: | Sheet No. : 8517 1:100000 | Rainfall: | 750 |
| Northing/Long.: | 148.3 | Runoff: | Rapid |
| Easting/Lat.: | -40.15 | Drainage: | Rapidly drained |

Geology

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

Land Form

| | | | |
|-------------------------|---------------------------|------------------------|---------------------|
| Rel/Slope Class: | Rolling plains <9m 10-32% | Pattern Type: | Dunefield |
| Morph. Type: | No Data | Relief: | 5 metres |
| Elem. Type: | Dune | Slope Category: | Moderately inclined |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry): Loose, Soft

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|--------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Basic Grey Orthic Tenosol | | Principal Profile Form: | Uc4.33 |
| ASC Confidence: | | Great Soil Group: | Podzol |

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Shrub, 1.01-3m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|---------------|--|
| A1 | 0 - 0.15 m | Grey (10YR5/1-Dry); ; Sand (Fibric); Single grain grade of structure; Moderately moist; Very weak consistence; AbundantDiffuse change to - |
| | 0.15 - 0.3 m | Light brownish grey (10YR6/2-Dry); ; Sand; Single grain grade of structure; Very weak consistence; AbundantDiffuse change to - |
| A2 | 0.3 - 0.48 m | Light brownish grey (10YR6/2-Dry); ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Diffuse change to - |
| B | 0.48 - 0.74 m | Light brownish grey (10YR6/2-Dry); , 10YR33; , 5Y72; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Clear, Wavy change to - |
| | 0.74 - 0.74 m | ; |
| C | 0.74 - 1.09 m | Light grey (10YR7/2-Dry); ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 1.09 - 1.45 m | White (10YR8/2-Dry); , 5Y72; Sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 2.54 - 2.64 m | White (10YR8/2-Dry); ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; |
| C | 3.68 - 3.78 m | White (10YR8/1-Dry); ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; |

Morphological Notes

Observation Notes

SAMPLE 5 IS ORGANIC PAN 25MM THICK TAKEN FROM 48-74CM HORIZON:LACKRANA SERIES:

Site Notes

NALA

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 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) |
| 19A1 | Carbonates - rapid titration |
| 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 |
| P10A1_C | Clay (%) - Pipette |
| P10A1_CS | Coarse sand (%) - Pipette |
| P10A1_FS | Fine sand (%) - Pipette |
| P10A1_Z | Silt (%) - Pipette |