

Project Name: FLI
Project Code: FLI **Site ID:** H42 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|---|
| Desc. By: | K.D. Nicholls | Locality: | 274m past t'off to Nelson Lagoon:10.5km from Ranga and 8.1km from LadyBarron: |
| Date Desc.: | 29/05/52 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8517 1:100000 | Rainfall: | 750 |
| Northing/Long.: | 148.183333333333 | Runoff: | Moderately rapid |
| Easting/Lat.: | -40.1666666666667 | Drainage: | Well drained |

Geology

| | | | |
|----------------------|----------|------------------------------------|--|
| ExposureType: | Soil pit | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Unconsolidated material (unidentified) |

Land Form

| | | | |
|-------------------------|---------|------------------------|------------|
| Rel/Slope Class: | No Data | Pattern Type: | Sand plain |
| Morph. Type: | Crest | Relief: | No Data |
| Elem. Type: | Dune | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | 0 degrees |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|--------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Melacic-Parapanic Humic Semiaquic Podsol | | Principal Profile Form: | Uc2.33 |
| ASC Confidence: | | Great Soil Group: | Humus podzol |

Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - Fern, 0.26-0.5m, Mid-dense. *Species includes - Pteridium esculentum
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus globulus

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, rounded, Quartz

Profile Morphology

| | | |
|-----|---------------|---|
| A1 | 0 - 0.15 m | Black (10YR2/1-Dry); ; Sand (Sapric); Weak consistence; 0-2%, Charcoal, coarse fragments; AbundantDiffuse change to - |
| A1 | 0.15 - 0.36 m | Very dark grey (10YR3/1-Dry); ; Loamy sand; Weak consistence; 2-10%, Gravel, coarse fragments; ManyDiffuse change to - |
| A1 | 0.36 - 0.56 m | Dark grey (10YR4/1-Dry); ; Loamy sand; Very weak consistence; 0-2%, Quartz, coarse fragments; ManyDiffuse change to - |
| A2 | 0.66 - 0.91 m | Brownish yellow (10YR6/5-Dry); ; Coarse sand; Loose consistence; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; CommonDiffuse change to - |
| A2 | 0.94 - 1.14 m | White (10YR8/2-Dry); ; Coarse sand; Moderately moist; Loose consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; CommonDiffuse change to - |
| A2 | 1.22 - 1.4 m | White (10YR8/2-Dry); ; Coarse sand; Moderately moist; Loose consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; CommonDiffuse change to - |
| A2B | 1.4 - 1.6 m | Dark brown (10YR3/3-Dry); , 10YR52; , 10YR71; Coarse sand; Moist; Loose consistence; CommonDiffuse, Wavy change to - |
| B | 1.6 - 1.73 m | Very dark brown (10YR2/2-Dry); ; Moist; 0-2%, Gravel, coarse fragments; Organic pan, Weakly cemented, Discontinuous, Massive; Common |
| | 2.31 - 2.44 m | Light brownish grey (10YR6/2-Dry); , 5B71; Sand; Loose consistence; 0-2%, Quartz, coarse fragments; Diffuse change to - |
| | 3.43 - 3.5 m | Grey (10YR5/1-Dry); , 10YR71; , 10YR56; Sandy clay loam; Loose consistence; 0-2%, Quartz, coarse fragments; |

Morphological Notes

Observation Notes

231-244CM LbG SAND WITH POCKETS OF CLS:NALA SERIES:

Site Notes

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NALA

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[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 |
| 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 |
| 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 |