

Project Name: FLI
Project Code: FLI **Site ID:** H75 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	C.G. Stephens	Locality:	2.0km NNW of Lughrata
Date Desc.:	26/01/54	Elevation:	9 metres
Map Ref.:	Sheet No. : 8418 1:100000	Rainfall:	750
Northing/Long.:	147.916666666667	Runoff:	Moderately rapid
Easting/Lat.:	-39.95	Drainage:	Moderately well drained

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Epic Lithocalcic Calcarosol		Principal Profile Form:	Gc1.12
ASC Confidence:		Great Soil Group:	Terra rossa soil
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Danthonia species
Mid Strata - Tree, 3.01-6m, Isolated clumps. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus ovata

Surface Coarse Fragments: 20-50%, , , Limestone

Profile Morphology

A	0 - 0.08 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Weak grade of structure, Granular; Weak consistence; 50-90%, Limestone, coarse fragments; , Calcareous, , Concretions; Sharp change to -
B	0.1 - 0.25 m	Brown (7.5YR5/4-Moist); ; Sandy clay loam; Weak consistence; 50-90%, cobbly, 60-200mm, Limestone, coarse fragments; , Calcareous, , Concretions; Sharp change to -
C	0.27 - 0.61 m	Brownish yellow (10YR6/8-Moist); ; Sand; Single grain grade of structure; Very weak consistence; 50-90%, Shells, coarse fragments;

Morphological Notes

Observation Notes

>61CM CALCAREOUS SAND:AT 84CM ON LUMP OF CEMENTED KS:25-27CM HARD SECONDARY TRAVERTINE:0-84CM
<10% R QZ GRIT ALSO: RANGA SERIES:

Site Notes

LUGHRATA

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

12_HCL_FE	Total element - Fe(%) - Total acid(HCl) extractable Fe
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)
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
P10_GRAV	Gravel (%)
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette