

Project Name: FLI
Project Code: FLI **Site ID:** H99 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	G.M. Dimmock	Locality:	2.1km SW of South Patriarch and 3.9km S of Middle Patriarch:
Date Desc.:	18/03/54	Elevation:	9 metres
Map Ref.:	Sheet No. : 8517 1:100000	Rainfall:	750
Northing/Long.:	148.183333333333	Runoff:	Moderately rapid
Easting/Lat.:	-40.0166666666667	Drainage:	Poorly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Dunefield
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Dune	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
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:

Mid Strata - , , . *Species includes - Xanthorrhoea australis
Tall Strata - Tree, 3.01-6m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: 10-20%, fine gravelly, 2-6mm, rounded, Quartz

Profile Morphology

A1	0 - 0.14 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand (Sapric); Single grain grade of structure; Moderately moist; Weak consistence; 2-10%, Quartz, coarse fragments; AbundantDiffuse change to -
A1	0.14 - 0.23 m	Dark grey (10YR4/1-Moist); ; Sand (Fibric); Single grain grade of structure; Moist; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Diffuse change to -
A1	0.23 - 0.33 m	Dark grey (10YR4/1-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; 10-20%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Diffuse change to -
A2	0.43 - 0.58 m	Light brownish grey (10YR6/2-Moist); ; Sand; Single grain grade of structure; 50-90%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Diffuse change to -
A2	0.58 - 0.74 m	Light brownish grey (10YR6/2-Moist); ; Sand; Single grain grade of structure; 20-50%, Gravel, coarse fragments; Diffuse change to -
A2	0.74 - 0.81 m	Light brownish grey (10YR6/2-Moist); ; Single grain grade of structure; Moist; Loose consistence; 20-50%, Gravel, coarse fragments; Diffuse change to -
B	0.86 - 0.91 m	Dark greyish brown (10YR4/2-Moist); ; Single grain grade of structure; 50-90%, Gravel, coarse fragments; Diffuse change to -
2A2	0.94 - 0.99 m	Light grey (10YR7/2-Moist); ; Single grain grade of structure; Wet; Loose consistence; 20-50%, Gravel, coarse fragments; Sharp change to -
2B	0.99 - 1.02 m	Very dark brown (10YR2/2-Moist); ; Massive grade of structure; Moist; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Organic pan, Strongly cemented, Massive; Diffuse change to -
2B	1.07 - 1.24 m	Dark greyish brown (10YR4/2-Moist); , 10YR62; Sand; Single grain grade of structure; Wet;

Morphological Notes

Observation Notes

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Site Notes

PETIBELA

ORGANIC PAN LAYERED AT 99CM+LOWER LAYERS SANDIER AND LESS CEMENTED:74-99CM HORIZONS

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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
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 (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance