

Project Name: FGR
Project Code: FGR **Site ID:** TL32 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	J.R. Sleeman	Locality:	10km north-west of Iffley homestead:
Date Desc.:	10/08/53	Elevation:	40 metres
Map Ref.:		Rainfall:	635
Northing/Long.:	141.166666666667	Runoff:	No Data
Easting/Lat.:	-18.833333333333	Drainage:	Poorly drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Ug5.28
		Great Soil Group:	Grey clay

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.08 m	Grey (5Y6/1-Dry); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; 20-50%, subangular, Quartz, coarse fragments; Many (20 - 50 %), , , ; Very few (0 - 2 %), Calcareous, , Nodules; CommonDiffuse change to -
B21	0.08 - 0.28 m	Olive grey (5Y4/2-Dry); ; Heavy clay (Heavy); Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; 20-50%, subangular, Quartz, coarse fragments; Many (20 - 50 %), , , ; Very few (0 - 2 %), Calcareous, , Nodules; CommonDiffuse change to -
B22	0.4 - 0.66 m	Grey (5Y6/1-Dry); ; Heavy clay (Heavy); Massive grade of structure; Dry; Very strong consistence; 20-50%, subangular, Quartz, coarse fragments; Many (20 - 50 %), , , ; Very few (0 - 2 %), Calcareous, , Nodules; CommonDiffuse change to -
B23	0.76 - 0.99 m	Grey (5Y6/1-Dry); ; Heavy clay (Heavy); Massive grade of structure; Dry; Firm consistence; 20-50%, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Nodules; CommonDiffuse change to -
B24	1.29 - 1.5 m	Greyish brown (2.5Y5/2-Dry); ; Heavy clay (Heavy); Massive grade of structure; Dry; Firm consistence; 0-2%, subangular, Quartz, coarse fragments; Very few (0 - 2 %), , , ; Very few (0 - 2 %), Calcareous, , Nodules; CommonDiffuse change to -

Morphological Notes

Observation Notes

Site Notes

FLINDERS RIVER

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	7.5A	0.022A								
0.08 - 0.28	8.3A	0.018A	32.3K	10.9	1.3	1.5				
0.4 - 0.66	8.7A	0.038A								
0.76 - 0.99	9A	0.061A								
1.29 - 1.5	8.3A	0.396A								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		0.75D	280B		0.057A						6	67
0.08 - 0.28	0.02C	0.38D	250B		0.025A						6	67
0.4 - 0.66	0.1C										5	68
0.76 - 0.99	0.15C											
1.29 - 1.5	0.12C	0.29D							12D		6	72

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
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
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance