

Project Name: Regional
Project Code: REG **Site ID:** T126 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	2.1KM north of fence at Batavia Downs turnoff along telephone line:
Date Desc.:	11/07/70	Elevation:	No Data
Map Ref.:	Sheet No. : 7472 1:100000	Rainfall:	1270
Northing/Long.:	142.683333333333	Runoff:	Slow
Easting/Lat.:	-12.65	Drainage:	Poorly drained

Geology

Exposure Type:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Mz	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	3 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mottled Class Undetermined Brown Kandosol	Mapping Unit:	N/A
ASC Confidence:	No analytical data are available but confidence is fair.	Principal Profile Form:	Gn2.61
		Great Soil Group:	Yellow earth

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Sorghum plumosum, Heteropogon triticeus

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); Greyish brown (10YR5/2-Dry); , 7.5YR44, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Silty loam; Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Clear change to -
A3	0.05 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); Greyish brown (10YR5/2-Dry); , 10YR44, 10-20% , 15-30mm, Distinct; , 10-20% , 15-30mm, Distinct; Fine sandy loam; Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Clear change to -
B1	0.1 - 0.2 m	Yellowish brown (10YR5/5-Moist); Brownish yellow (10YR6/5-Dry); , 10YR44, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Clay loam (Light); Massive grade of structure; Dry; Very firm consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Gradual change to -
B21	0.2 - 0.3 m	Yellowish brown (10YR5/5-Moist); , 10YR44, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Clay loam; Massive grade of structure; Earthy fabric; Very weak consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Gradual change to -
B21	0.3 - 0.4 m	Yellowish brown (10YR5/5-Moist); , 10YR44, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Clay loam; Massive grade of structure; Earthy fabric; Very weak consistence; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Gradual change to -
B22	0.4 - 0.5 m	Strong brown (7.5YR5/6-Moist); , 2.5YR48, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Light clay; Massive grade of structure; Weak consistence; Common (10 - 20 %), Ferruginous, Fine (0 - 2 mm), Nodules; Gradual change to -
B22	0.5 - 0.6 m	Yellowish brown (10YR5/6-Moist); , 10R48, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Light clay; Massive grade of structure; Weak consistence; Common (10 - 20 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Gradual change to -
B22	0.6 - 0.75 m	Yellowish brown (10YR5/6-Moist); , 10R48, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Light clay; Massive grade of structure; Weak consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Gradual change to -

Project Name: Regional
Project Code: REG **Site ID:** T126 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

	0.75 - 0.9 m	Yellowish brown (10YR5/6-Moist); , 10R48, 20-50% ; , 20-50% ; Light medium clay; Massive grade of structure; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Gradual change to -
	0.9 - 1 m	Yellowish brown (10YR5/6-Moist); , 10R48, 20-50% ; , 20-50% ; Light medium clay; Massive grade of structure; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Gradual change to -
D	1 - 1.15 m	Dark red (10R3/6-Moist); , 5Y71, 20-50% , 0-5mm; , 20-50% , 0-5mm; Medium heavy clay; Massive grade of structure; Very firm consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Gradual change to -
	1.15 - 1.2 m	Dark red (10R3/6-Moist); , 5Y71, 20-50% , 0-5mm; , 20-50% , 0-5mm; Heavy clay; Massive grade of structure; Very firm consistence; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Gradual change to -
	1.2 - 1.5 m	Dark red (10R3/6-Moist); , 5Y71, 20-50% , 0-5mm; , 20-50% , 0-5mm; Heavy clay; Massive grade of structure; Very firm consistence; 0-2%, coarse gravelly, 20-60mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, , Nodules; Gradual change to -
	1.5 - 1.6 m	Dark red (2.5YR3/6-Moist); , 5Y72, 10-20% ; , 10-20% ; Heavy clay; Massive grade of structure; Very firm consistence; Gradual change to -
	1.6 - 1.75 m	Dark red (2.5YR3/6-Moist); , 5Y72, 10-20% ; , 10-20% ; Medium clay; Massive grade of structure; Very firm consistence; Gradual change to -
	1.75 - 1.9 m	Dark red (2.5YR3/6-Moist); , 5Y72, 10-20% ; , 10-20% ; Light clay; Massive grade of structure; Very firm consistence; 0-2%, Mudstone, coarse fragments; Gradual change to -

Morphological Notes

Observation Notes

120-150CM PARAELLIPIPED SLICKENSIDES:

Site Notes

BATAVIA DOWNS

Project Name: Regional
Project Code: REG Site ID: T126 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.05	5.7A	0.032A							
0.05 - 0.1	5.6A	0.023A							
0.1 - 0.2	5.5A	0.02A							
0.2 - 0.3	5.5A	0.02A							
0.3 - 0.4	5.7A	0.017A							
0.4 - 0.5	5.8A	0.017A							
0.5 - 0.6	5.8A	0.02A							
0.6 - 0.75	6A	0.017A							
0.75 - 0.9	6A	0.023A							
0.9 - 1	5.9A	0.023A							
1 - 1.15	6A	0.023A							
1.15 - 1.2	5.6A	0.029A							
1.2 - 1.5	5.5A	0.023A							
1.5 - 1.6	5.5A	0.029A							
1.6 - 1.75	5.5A	0.026A							
1.75 - 1.9	5.5A	0.038A							

[illegible][illegible]

Project Name: Regional
Project Code: REG **Site ID:** T126 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

0.9 - 1
1 - 1.15
1.15 - 1.2
1.2 - 1.5
1.5 - 1.6
1.6 - 1.75
1.75 - 1.9

Project Name: Regional
Project Code: REG Site ID: T126 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension