

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T558 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

#### Site Information

<b>Desc. By:</b> M.G. Cannon	<b>Locality:</b>
<b>Date Desc.:</b> 03/02/92	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8358 1:100000	<b>Rainfall:</b> 0
<b>Northing/Long.:</b> 147.191666666667	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> -19.568888888889	<b>Drainage:</b> No Data

#### Geology

<b>ExposureType:</b> Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> Qa	<b>Substrate Material:</b> No Data

#### Land Form

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

**Surface Soil Condition (dry):** Cracking, Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b> N/A	<b>Mapping Unit:</b> N/A
<b>ASC Confidence:</b> Confidence level not specified	<b>Principal Profile Form:</b> Ug5.25
	<b>Great Soil Group:</b> Grey clay

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

#### Vegetation:

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A11	0 - 0.02 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Weak grade of structure, 5-10 mm, Platy; Smooth-ped fabric; Dry; Weak consistence; Field pH 6.5 (pH meter, 0.01); Many, very fine (0-1mm) roots; Clear, Wavy change to -
A12	0.02 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; Field pH 6 (pH meter, 0.05); Few, very fine (0-1mm) roots; Gradual, Wavy change to -
B21	0.08 - 0.3 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Strong grade of structure, 100-200 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6.5 (pH meter, 0.15); Few, very fine (0-1mm) roots; Diffuse, Wavy change to -
B22	0.3 - 0.6 m	Dark grey (5Y4/1-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Many cutans, >50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 8 (pH meter, 0.45); Few, very fine (0-1mm) roots; Diffuse, Wavy change to -
B23	0.6 - 0.9 m	Olive grey (5Y4/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence; Many cutans, >50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 9.5 (pH meter, 0.75); Few, very fine (0-1mm) roots; Diffuse, Wavy change to -
	0.9 - 1.2 m	Olive grey (5Y4/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Weak consistence; Many cutans, >50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Field pH 9.5 (pH meter, 1.05); Diffuse, Wavy change to -
B24	1.2 - 1.5 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence; Many cutans, >50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Field pH 9.5 (pH meter, 1.4); Diffuse, Wavy change to -

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B25      1.5 - 1.9 m      Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Weak consistence; Many cutans, >50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Field pH 9.5 (pH meter, 1.8);

**Morphological Notes**

**Observation Notes**

**Site Notes**

LOWER BURDEKIN

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0.02 - 0.08  
0.3 - 0.6  
0.6 - 0.9  
0.9 - 1.2  
1.2 - 1.5  
1.5 - 1.9

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Laboratory Analyses Completed for this profile