**Project Name:** Regional

Observation ID: 1 **Project Code: REG** Site ID: T559

**CSIRO Division of Soils (QLD) Agency Name:** 

**Site Information** 

M.G. Cannon Locality: Desc. Bv: Date Desc.: 03/02/92 Elevation: Map Ref.: Sheet No.: 8358 1:100000 Rainfall:

Northing/Long.: 147.191666666667 Runoff: No Data -19.5688888888889 Easting/Lat.: Drainage: No Data

Geology

ExposureType: Conf. Sub. is Parent. Mat.: Undisturbed soil core No Data Substrate Material: Geol. Ref.: No Data Oa

**Land Form** 

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

Surface Soil Condition (dry): Cracking

**Erosion:** 

**Soil Classification** 

**Australian Soil Classification:** N/A **Mapping Unit: Principal Profile Form:** Uq3.2 ASC Confidence: **Great Soil Group:** Grey clay

Confidence level not specified

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

Vegetation:

Mid Strata - Vine, 1.01-3m, Isolated plants. \*Species includes - Cryptostegia grandiflora

Tall Strata - Tree, 12.01-20m, Isolated plants. \*Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

**Profile Morphology** 

0 - 0.07 m Dark grey (10YR4/1-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Subangular

blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 6 (pH meter, 0.05);

Many, very fine (0-1mm) roots; Clear, Wavy change to -

Dark greyish brown (10YR4/2-Moist); , 10YR58, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, B21 0.07 - 0.28 m

Distinct; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6.5

No Data

(pH meter, 0.2); Common, very fine (0-1mm) roots; Diffuse, Wavy change to -

B22 0.28 - 0.54 m Dark grey (10YR4/1-Moist); , 10YR54, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct;

Medium heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Lenticular, Smooth-ped fabric; Moderately moist; Very firm consistence; Many cutans, >50% of ped faces or walls coated, distinct, Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6.5 (pH meter, 0.4); Few, very fine (0-1mm) roots; Diffuse,

Wavy change to -

0.54 - 0.77 m Dark grey (10YR4/1-Moist); , 10YR54, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct;

Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Very firm consistence; Many cutans, >50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm),

Nodules; Field pH 7 (pH meter, 0.65); Diffuse, Wavy change to -

**B23** 0.77 - 1.1 m Dark grey (2.5Y4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular;

Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; Many cutans, >50% of ped faces or walls coated, distinct; Very few (0 - 2%), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 8 (pH meter, 1); Gradual, Wavy change to -

Dark greyish brown (2.5Y4/3-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, B24k 1.1 - 1.5 m

Lenticular; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence, Many cutans, >50% of ped faces or walls coated, distinct, Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm),

Nodules; Field pH 9.5 (pH meter, 1.3); Diffuse, Wavy change to -

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1.5 - 1.9 m

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

## **Morphological Notes**

## **Observation Notes**

POSSIBLY A THIN (4CM) A2e AT BOTTOM OF A1;(DISTURBED BY SAMPLE RIG):

## **Site Notes**

LOWER BURDEKIN

Project Name: Regional
Project Code: REG Site ID: T55
Agency Name: CSIRO Division of Soils (QLD) Site ID: T559 Observation ID: 1

## Laboratory Test Results: Depth pH 1:5 EC

0.54 - 0.77 0.77 - 1.1 1.1 - 1.5 1.5 - 1.9

Laboratory Test Results.										
Depth	рН	1:5 EC		changeable			xchangeable	CEC	ECEC	ESP
m		dS/m	Са	Mg	K	Na Cmol (+)	Acidity /ka			%
		40/111				00. (1)	···9			70
0 - 0.07										
0.07 - 0.28										
0.28 - 0.54										
0.54 - 0.77										
0.77 - 1.1										
1.1 - 1.5										
1.5 - 1.9										
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk			Analysis
	0/	C	Р	P	N or	K	Density	GV CS		Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.07										
0.07 - 0.28										
0.28 - 0.54										
0.54 - 0.77										
0.77 - 1.1										
1.1 - 1.5										
1.5 - 1.9										
Depth	COLE		Gravimetric/Volumetric V			/ater Contents		к	sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15 l	Bar		
m				g/g	g - m3/m3	3		m	m/h	mm/h
0 - 0.07										
0.07 - 0.28										
0.07 - 0.28										
0.20 - 0.34										

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**Laboratory Analyses Completed for this profile**