

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T559 **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

**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>	Ug3.2
		<b>Great Soil Group:</b>	Grey clay

**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**

A1j	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 -
B21	0.07 - 0.28 m	Dark greyish brown (10YR4/2-Moist); , 10YR58, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, 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 (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 -
B24k	1.1 - 1.5 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; 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 -

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

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: T559 Observation ID: 1  
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile