

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T155 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

#### Site Information

<b>Desc. By:</b>	G. Smith	<b>Locality:</b>	21.8KM east of Dunbar turn on Galbraith-Dunbar Road:
<b>Date Desc.:</b>	01/10/70	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7265 1:100000	<b>Rainfall:</b>	1020
<b>Northing/Long.:</b>	141.777777777778	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-16.4361111111111	<b>Drainage:</b>	Imperfectly drained

#### Geology

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

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	3 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Surface crust

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	Bleached-Ferric Mesotrophic Grey Kandosol	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Principal Profile Form:</b>	Gn2.74
		<b>Great Soil Group:</b>	Yellow earth

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

#### Vegetation:

Mid Strata - Tree, 1.01-3m, Very sparse. \*Species includes - None recorded  
 Tall Strata - Tree, 3.01-6m, Very sparse. \*Species includes - None Recorded

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

#### Profile Morphology

A1	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); , 10YR76, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Silty clay loam (Light); Massive grade of structure; Dry; Rigid consistence; Clear change to -
AB	0.05 - 0.1 m	Brownish yellow (10YR6/5-Moist); Very pale brown (10YR7/4-Dry); , 5YR58, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Silty medium clay; Massive grade of structure; Dry; Strong consistence; Gradual change to -
B1	0.1 - 0.2 m	Brownish yellow (10YR6/5-Moist); , 10YR54, 10-20% , 0-5mm, Distinct; , 7.5YR56, 10-20% , 0-5mm, Distinct; Silty medium clay; Massive grade of structure; Dry; Strong consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
	0.2 - 0.3 m	Brownish yellow (10YR6/5-Moist); , 10YR76, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Silty medium clay (Heavy); Massive grade of structure; Strong consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
	0.3 - 0.4 m	Pale red (2.5YR6/2-Moist); , 10YR76, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light clay; Massive grade of structure; Strong consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
	0.4 - 0.5 m	Pale red (2.5YR6/2-Moist); , 10YR76, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light clay; Massive grade of structure; Strong consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
	0.5 - 0.6 m	Pale red (2.5YR6/2-Moist); , 5YR78, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light clay (Heavy); Massive grade of structure; Strong consistence; Few (2 - 10 %), , , Nodules; Gradual change to -
	0.6 - 0.7 m	Pale red (2.5YR6/2-Moist); , 10YR65, 20-50% , 0-5mm, Distinct; , 10YR58, 20-50% , 0-5mm, Distinct; Light medium clay; Weak grade of structure, Angular blocky; Strong consistence; Common (10 - 20 %), , , Nodules; Gradual change to -

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C	0.7 - 0.8 m	Pale red (2.5YR6/2-Moist); , 10YR66, 20-50% , 0-5mm, Distinct; , 10YR58, 20-50% , 0-5mm, Distinct; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very strong consistence; Few (2 - 10 %), Manganiferous, , Nodules; Gradual change to -
	0.8 - 0.9 m	Grey (10YR6/1-Moist); , 10YR58, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Gradual change to -
	0.9 - 1 m	Grey (10YR6/1-Moist); Yellowish brown (10YR5/8-Dry); , 10YR58, 20-50% , 15-30mm, Prominent; , 10YR58, 20-50% , 15-30mm, Prominent; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky;

**Morphological Notes**

**Observation Notes**

HORIZON 6A CONTINUES TO 130CM:>130CM 10YR 55(M) MODERATE COARSE BLOCKY HC:

**Site Notes**

GALBRAITH

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**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	6.1A	0.032A							
0.05 - 0.1	6.1A	0.029A							
0.1 - 0.2	6.1A	0.026A							
0.2 - 0.3	6.2A	0.026A							
0.3 - 0.4	6.3A	0.026A							
0.4 - 0.5	6.4A	0.026A							
0.5 - 0.6	6.5A	0.026A							
0.6 - 0.7	6.7A	0.029A							
0.7 - 0.8	6.4A	0.053A							
0.8 - 0.9	6.3A	0.098A							
0.9 - 1	6.3A	0.16A							

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**Laboratory Analyses Completed for this profile**

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