

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T154 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G. Smith	<b>Locality:</b>	16.3KM east of Dunbar turn near Galbraith:
<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>	141.729166666667	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-16.401388888889	<b>Drainage:</b>	Imperfectly drained

**Geology**

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

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached-Mottled Mesotrophic Yellow Kandosol		<b>Principal Profile Form:</b>	Gn2.74
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Yellow earth

No analytical data are available but confidence is fair.

**Site Disturbance:**

**Vegetation:**

Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - None Recorded

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

**Profile Morphology**

A11	0 - 0.01 m	Dark greyish brown (10YR4/2-Moist); Grey (10YR6/1-Dry); ; Sandy clay loam (Light); Massive grade of structure; Dry; Rigid consistence; Sharp change to -
A21	0.01 - 0.06 m	Brown (10YR5/3-Moist); Light grey (10YR7/1-Dry); ; Sandy loam (Heavy); Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very strong consistence; Clear change to -
A22	0.06 - 0.1 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 10YR66; Sandy clay loam (Light); Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very strong consistence; Gradual change to -
A3	0.1 - 0.2 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 10YR66, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Sandy clay loam; Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Gradual change to -
B11	0.2 - 0.3 m	Brownish yellow (10YR6/5-Moist); , 10YR66, 20-50% , 0-5mm, Distinct; , 2.5YR48, 20-50% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Dry; Strong consistence; Few (2 - 10 %), , , Nodules; Clear change to -
B12	0.3 - 0.4 m	Brownish yellow (10YR6/5-Moist); , 10YR66, 20-50% , Faint; , 2.5YR48, 20-50% , Faint; Light clay; Massive grade of structure; Dry; Strong consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
B12	0.4 - 0.5 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR48, 20-50% , Distinct; , 20-50% , Distinct; Light clay; Massive grade of structure; Dry; Strong consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Gradual change to -
B2	0.5 - 0.6 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR48, 10-20% , Distinct; , 10-20% , Distinct; Light medium clay; Massive grade of structure; Dry; Strong consistence; Gradual change to -
D	0.6 - 0.7 m	Light yellowish brown (10YR6/4-Moist); , 10YR58, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Clear change to -

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0.7 - 0.8 m	Pale red (2.5YR6/2-Moist); , 10YR58, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Very strong consistence; Few (2 - 10 %), Manganiferous, , Soft segregations; Gradual change to -
0.8 - 0.9 m	Pale red (2.5YR6/2-Moist); , 10YR58, 20-50% , 15-30mm; , 2.5YR48, 20-50% , 15-30mm; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Very strong consistence; Few (2 - 10 %), Manganiferous, , Soft segregations; Gradual change to -
0.9 - 1.05 m	Weak red (2.5YR5/2-Moist); , 10YR58, 20-50% ; , 20-50% ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Very strong consistence; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; Gradual change to -

**Morphological Notes**

**Observation Notes**

70-80CM COMMON SLICKENSIDES:

**Site Notes**

GALBRAITH

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.01	6.1A	0.032A							
0.01 - 0.06	6.5A	0.017A							
0.06 - 0.1	6.5A	0.023A							
0.1 - 0.2	6.5A	0.023A							
0.2 - 0.3	6.1A	0.035A							
0.3 - 0.4	6A	0.038A							
0.4 - 0.5	6.3A	0.029A							
0.5 - 0.6	6.5A	0.029A							
0.6 - 0.7	6.4A	0.059A							
0.7 - 0.8	6.3A	0.133A							
0.8 - 0.9	6.5A	0.205A							
0.9 - 1.05	6.9A	0.279A							

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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