

Project Name: Regional
Project Code: REG **Site ID:** T25 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R.F. Isbell	Locality:	Woodstock paddock approx. 15 chain's east of mill:
Date Desc.:	09/09/64	Elevation:	No Data
Map Ref.:	Sheet No. : 8258 1:100000	Rainfall:	870
Northing/Long.:	146.825	Runoff:	Moderately rapid
Easting/Lat.:	-19.6291666666667	Drainage:	No Data

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	2 metres
Elem. Type:	Prior stream	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol		Principal Profile Form:	Gn2.14
ASC Confidence:		Great Soil Group:	Red earth

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Planchonia careya
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus polycarpa, Eucalyptus alba

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Dark brown (7.5YR3/2-Moist); Brown (7.5YR5/2-Dry); , 0-0% ; , 0-0% ; Sandy loam; Massive grade of structure; Dry; Very firm consistence; Clear change to -
A2	0.08 - 0.25 m	Reddish brown (5YR4/4-Moist); Light reddish brown (5YR6/4-Dry); , 0-0% ; , 0-0% ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Common (1-5 per 0.01m2) Medium (2-5mm) macropores, Dry; Strong consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Nodules; Gradual change to -
B1	0.25 - 0.46 m	Yellowish red (5YR4/6-Moist); Reddish brown (5YR5/4-Dry); , 0-0% ; , 0-0% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 0.01m2) Medium (2-5mm) macropores, Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Nodules; Gradual change to -
B2	0.46 - 0.71 m	Yellowish red (5YR4/6-Moist); , 0-0% ; , 0-0% ; Light medium clay; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 - 6 mm), Nodules; Gradual change to -
B3	0.71 - 0.86 m	Yellowish red (5YR4/6-Moist); , 0-0% ; , 0-0% ; Medium clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 50-90%, coarse gravelly, 20-60mm, rounded, Gravel, coarse fragments; Field pH 6.3 (pH meter, 0.76);
	0.86 - 0.96 m	;

Morphological Notes

Poorly sorted w/worn gv 25-150MM:some gritty clay matrix:

Observation Notes

UPPER HALF OF A1 HAS V/C2:COLOUR LIGHTER AT BASE:

Site Notes

LANDSDOWN

Project Name: Regional
Project Code: REG Site ID: T25 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	6.5A	0.059A	5E	1	0.42	0.1	2.2F	9C	8.7F	1.11
0.08 - 0.25	6.4A	0.029A	3.8E	0.9	0.21	0.1	0.5F	6C	5.5F	1.67
0.25 - 0.46	6.2A	0.059A								
0.46 - 0.71	6.4A	<0.03A	3.8E	1.1	0.34	0.1	3.5F	9C	8.8F	1.11
0.71 - 0.86	6.3A	<0.03A								

[illegible][illegible]

Project Name: Regional
Project Code: REG **Site ID:** T25 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

15C1_CA	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15G_C	Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
15J1	Effective CEC
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A1	Total phosphorus - X-ray fluorescence
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES)
MIN_EC	Exchange Capacity - Minerology
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
XRD_C_Ch2	Chloritized 2:1 minerals - X-Ray Diffraction
XRD_C_Gb	Gibbsite - X-Ray Diffraction
XRD_C_Gt	Geothite - X-Ray Diffraction
XRD_C_II	Illite - X-Ray Diffraction
XRD_C_K2O	K ₂ O - X-Ray Diffraction or Clay Fraction (air dry)
XRD_C_Ka	Kaolin - X-Ray Diffraction