

**Project Name:** Regional  
**Project Code:** REG **Site ID:** T123 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

#### Site Information

<b>Desc. By:</b>	G. Smith	<b>Locality:</b>	7.2KM west of telegraph line on old Merluna Road;.3KM west of Nettle Creek crossing:
<b>Date Desc.:</b>	08/07/70	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7471 1:100000	<b>Rainfall:</b>	1270
<b>Northing/Long.:</b>	142.75	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-13.2166666666667	<b>Drainage:</b>	Very poorly drained

#### 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>	Flood plain
<b>Morph. Type:</b>	No Data	<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
Class Undetermined Chomosolic Redoxic Hydrosol	<b>Principal Profile Form:</b>	Dg2.41
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	N/A

No analytical data and little or no knowledge of this soil.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Chrysopogon fallax  
 Tall Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Melaleuca viridiflora, Eucalyptus polycarpa

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

#### Profile Morphology

A11	0 - 0.05 m	Greyish brown (10YR5/2-Moist); Light grey (10YR7/1-Dry); ; Silty loam; Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Abundant, fine (1-2mm) roots; Clear change to -
A21	0.05 - 0.1 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); ; Silty loam; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Gradual change to -
A21	0.1 - 0.2 m	Pale brown (10YR6/3-Moist); Pinkish grey (7.5YR7/2-Dry); , 10YR76, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Silty loam; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Gradual change to -
A22	0.2 - 0.3 m	Light brown (7.5YR6/4-Moist); Pinkish grey (7.5YR7/2-Dry); ; Fine sandy clay loam (Light); Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Few (2 - 10 %), Ferromanganiferous, , Nodules; Clear change to -
B11	0.3 - 0.4 m	Pale brown (10YR6/3-Moist); , 10YR76, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Medium clay; Massive grade of structure; Moist; Very weak consistence; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Gradual change to -
B12	0.4 - 0.5 m	Light grey (10YR7/2-Moist); , 10R48, 10-20% , 0-5mm, Distinct; , 10YR76, 10-20% , 0-5mm, Distinct; Medium clay; Massive grade of structure; Moist; Very weak consistence; Common (10 - 20 %), Ferromanganiferous, Very coarse (20 - 60 mm), Nodules; Clear change to -
B13	0.5 - 0.6 m	Light brownish grey (10YR6/2-Moist); , 10R48, 10-20% , 0-5mm, Distinct; , 10YR76, 10-20% , 0-5mm, Distinct; Medium clay; Massive grade of structure; Moist; Very weak consistence; Common (10 - 20 %), Ferromanganiferous, Very coarse (20 - 60 mm), Nodules; Gradual change to -
B21	0.6 - 0.75 m	Light grey (10YR7/2-Moist); , 10R48, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Gradual change to -

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0.75 - 0.9 m	Light grey (10YR7/2-Moist); , 10R48, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Weak consistence; Gradual change to -
0.9 - 1 m	Light grey (10YR7/2-Moist); , 10R48, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Weak consistence;

**Morphological Notes**

**Observation Notes**

LAYERS RENUMBERED 22-9-92

**Site Notes**

MERLUNA

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Laboratory Analyses Completed for this profile