

**Project Name:** Soil Studies in the Lower Namoi Valley  
**Project Code:** EDGEROI **Site ID:** ed404 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	W.T. Ward	<b>Locality:</b>	Twynam Pastoral Co., Boolcarrol
<b>Date Desc.:</b>	16/12/85	<b>Elevation:</b>	188 metres
<b>Map Ref.:</b>	Sheet No. : 8837_N 1:50000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6674760 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	742380 Datum: AGD66	<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>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Terrace plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
N/A		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A11s	0 - 0.04 m	Brown (7.5YR4/4-Moist); Brown (7.5YR4/4-Dry); , 10YR53, 20-50% , 5-15mm, Distinct; , 10YR82, 2-10% , 0-5mm, Prominent; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Abrupt, Smooth change to -
A12b	0.04 - 0.15 m	Dark greyish brown (10YR4/2-Moist); , 10YR63, 2-10% , 0-5mm, Prominent; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Gradual, Smooth change to -
A13b	0.15 - 0.6 m	Very dark greyish brown (10YR3/2-Moist); , 7.5YR84, 0-2% , 0-5mm, Faint; , 10YR63, 0-2% , 5-15mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Platy; Weak grade of structure, 5-10 mm, Angular blocky; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Diffuse, Smooth change to -
B2k	0.6 - 1 m	Brown (7.5YR4/4-Moist); , 7.5YR66, 2-10% , 5-15mm, Prominent; , 10YR32, 2-10% , 0-5mm, Distinct; Medium clay; Weak grade of structure, 50-100 mm, Platy; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules;

**Morphological Notes**

A11s All soil samples to I.P.L. Platy structure in B2 may be due to drilling action.

**Observation Notes**

Parent Rock: alluvial sediment, mixed texture, with lime, clay parna on fourth fan, Namoi

**Site Notes**

Profile R3. Full easting, northing, elevation: 42376.74756.188.01m.

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**Laboratory Test Results:**

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Laboratory Analyses Completed for this profile