

Project Name: Soil Studies in the Lower Namoi Valley
Project Code: EDGEROI **Site ID:** ed405 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	W.T. Ward	Locality:	Twynam Pastoral Co., Boolcarrol
Date Desc.:	16/12/85	Elevation:	188 metres
Map Ref.:	Sheet No. : 8837_N 1:50000	Rainfall:	No Data
Northing/Long.:	6674760 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	742370 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

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

Surface Soil Condition (dry): Trampled

Erosion:

Soil Classification

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

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); Very dark greyish brown (10YR3/2-Dry); , 10YR52, 0-2% , 0-5mm, Prominent; Fine sandy light clay; Weak 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;
A12p	0.05 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); , 10YR53, 0-2% , 0-5mm, Distinct; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
A13	0.2 - 0.7 m	Very dark greyish brown (10YR3/2-Moist); , 10YR53, 0-2% , 5-15mm, Faint; , 7.5YR64, 0-2% , 0-5mm, Faint; Heavy clay; Weak grade of structure, 50-100 mm, Platy; Weak grade of structure, 10-20 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;
B2b	0.7 - 0.99 m	Brown (7.5YR4/4-Moist); , 7.5YR74, 2-10% , 5-15mm, Distinct; , 10YR32, 2-10% , 5-15mm, Distinct; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; 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; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations;

Morphological Notes

A11	All soil samples to I.P.L. Field profile R4. Notice improved structure from 5 to 20 cm. Prominent 10YR3/1 worm casts in channel from 55 to 65 cm. Many roots appear at about 20 cm; small amounts of manganese at about 95 cm. Prominent moderat
A12p	e 5-10 mm cast granular structure between 55 and 65 cm.

Observation Notes

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

Site Notes

Profile R4. Full easting, northing, elevation: 42374.74764.188.01m.

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0 - 0.05
0.05 - 0.2
0.2 - 0.7
0.7 - 0.99

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Laboratory Analyses Completed for this profile