

Project Name: Soil Studies in the Lower Namoi Valley
Project Code: EDGEROI **Site ID:** ed403 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	W.T. Ward	Locality:	Twynam Pastoral Co., Boolcarrol
Date Desc.:	06/12/85	Elevation:	188 metres
Map Ref.:	Sheet No. : 8837_N 1:50000	Rainfall:	No Data
Northing/Long.:	6674750 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	742380 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): Surface crust

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	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	Dark greyish brown (10YR4/2-Moist); Brown (10YR5/3-Dry); , 10YR53, 0-2% , 0-5mm, Prominent; Medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Abrupt, Wavy
A12b	0.04 - 0.65 m	Very dark greyish brown (10YR3/2-Moist); Very dark greyish brown (10YR3/2-Dry); , 10YR43, 0-2% , 0-5mm, Distinct; Medium clay; Massive grade of structure; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Gypseous, Medium (2 -6 mm), Crystals; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Diffuse, Smooth change to -
B2k	0.65 - 1 m	Strong brown (7.5YR4/6-Moist); , 10YR74, 2-10% , 0-5mm, Distinct; , N20, 0-2% , 0-5mm, Distinct; Medium heavy clay; Weak grade of structure, 100-200 mm, Platy; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations;

Morphological Notes

A11s All soil samples to I.P.L. 403.02 has common gypsum.

Observation Notes

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

Site Notes

Profile R2. Full easting, northing, elevation: 42378.74748.189.99m.

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile