

Project Name: Soil Studies in the Lower Namoi Valley
Project Code: EDGEROI **Site ID:** na002 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	W.T. Ward	Locality:	stock route, at Bohena
Date Desc.:	07/01/86	Elevation:	229 metres
Map Ref.:	Sheet No. : 8837_S 1:50000	Rainfall:	No Data
Northing/Long.:	6630400 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	753200 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:	Hillcrest	Slope Category:	Moderately inclined
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust

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 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); Very dark greyish brown (10YR3/2-Dry); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Moderately moist; Strong consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Tubules; Clear, Smooth change to -
A12	0.1 - 0.35 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, Silcrete, coarse fragments; Gradual, Smooth change to -
	0.35 - 0.5 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Strong consistence; Diffuse, Smooth change to -
	0.5 - 2.08 m	Greyish brown (10YR5/2-Moist); , 7.5YR6/4, 2-10% , 5-15mm, Distinct; Medium heavy clay; Massive grade of structure; Earthy fabric; Strong consistence; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations;

Morphological Notes

A11	Horizon 4 has rough fracture, continues to 187+. Very few patches of lime as laminae and veins at 120cm. Inwashed sand continues to 187+. Horizons 3 and 4 have quite a bit of sand in them, and the soil generally has a sandy appearance. Comp
A12	ared to na001 this is paler in colour, probably because of the poor drainage. Drilling stops at 208cm in a sandy lens. Core from 0-94cm: pale grey with grey, and with strong brown root stains in top 20cm. A crack to about 50cm. 94-187cm: pale grey continues with very very light carbonate; possibly not as dense as puff; mottle stains and sandy partings especially in lower part.

Observation Notes

Parent Rock: , , parna on fifth fan, Bohena

Site Notes

Topography code i4: short, strongly rolling. Na002 is 17m east of na001 in bottom of shelf. Crack depth is very variable, ranging from 100-400mm. 90m N of fenceline at road corner. Partings in core 2 show ?fine sand [probably gypsum]. Unabl

Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile