

Project Name: Soil Studies in the Lower Namoi Valley
Project Code: EDGEROI **Site ID:** ed410 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: W.T. Ward	Locality:
Date Desc.: 20/01/86	Elevation: 241 metres
Map Ref.: Sheet No. : 8837_N 1:50000	Rainfall: No Data
Northing/Long.: 6665500 AMG zone: 55	Runoff: No Data
Easting/Lat.: 769200 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):

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: Grey clay

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.15 m	Very dark brown (10YR2/2-Moist); Very dark greyish brown (10YR3/2-Dry); ; Medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Earthy fabric; Moderately moist; Strong consistence; Field pH 7.5 (pH meter); Clear, Smooth change to -
A12	0.15 - 0.75 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Strong grade of structure, 50-100 mm, Subangular blocky; Earthy fabric; Moderately moist; Strong consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Gypseous, Medium (2 -6 mm), Crystals; Field pH 8.5 (pH meter); Diffuse, Smooth change to -
B2	0.75 - 2.4 m	Dark brown (10YR3/3-Moist); ; Medium heavy clay; Strong grade of structure, 100-200 mm, Lenticular; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Earthy fabric; Moderately moist; Strong consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.5 (pH meter); Diffuse, Smooth change to -
C1	2.4 - 3.3 m	Brown (7.5YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, prominent; Field pH 8.5 (pH meter); Abrupt, Smooth change to -
C2	3.3 - 3.6 m	Brown (7.5YR4/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 6.5 (pH meter);

Morphological Notes

A11	Thin band of gravel including basalt at 300, more gravel at 320-340. Prominent manganese at 300. Weak, thin surface crust. Second horizon is darker than moist surface layer. Third horizon has cast granules (3, 3, ca) and a prominent layer o
A12	f 3kn at 230-240. Slickensides much less frequent below 300. Lowest horizon sb to polyhedral.

Observation Notes

Parent Rock: alluvial sediment, mixed texture, with lime, gravel fifth (eroded) fan

Site Notes

Site description compiled in Brisbane.

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Laboratory Analyses Completed for this profile