

Project Name: Soil Studies in the Lower Namoi Valley
Project Code: EDGEROI **Site ID:** ed137 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.M. Roberts	Locality:	Forestry Commission of NSW, Bobbiwaa State Forest
Date Desc.:	28/04/85	Elevation:	287 metres
Map Ref.:	Sheet No. : 8837_N 1:50000	Rainfall:	No Data
Northing/Long.:	6660300 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	778500 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:	Pediment	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	180 degrees

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Uc2.12
		Great Soil Group:	Siliceous sand

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Dark yellowish brown (10YR4/4-Moist); Very pale brown (10YR7/3-Dry); ; Sand; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 5.8 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
A12	0.1 - 0.25 m	Brownish yellow (10YR6/6-Moist); Very pale brown (10YR7/4-Dry); ; Sand; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 5.5 (pH meter); Few, very fine (0-1mm) roots;
A13	0.25 - 0.55 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/4-Dry); ; Sand; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 5.5 (pH meter); Few, fine (1-2mm) roots;
A14	0.55 - 0.75 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/4-Dry); ; Sand; Single grain grade of structure, <2 mm; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 5.8 (pH meter); Few, fine (1-2mm) roots; Diffuse change to -
A21	0.75 - 1 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/4-Dry); ; Sand; Massive grade of structure; Single grain grade of structure; Sandy (grains prominent) fabric; Sandy (grains prominent) fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Field pH 5.8 (pH meter); Few, fine (1-2mm) roots;
A22	1 - 2.3 m	Brownish yellow (10YR6/6-Moist); Brownish yellow (10YR6/6-Dry); , 10YR71, 10-20% , 30-mm, Distinct; Sand; Massive grade of structure; Single grain grade of structure; Sandy (grains prominent) fabric; Sandy (grains prominent) fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Veins; Field pH 5.8 (pH meter);

Morphological Notes

Observation Notes

Parent Rock: , , Pilliga Sandstone

Site Notes

Ca 25cm of loose brownish sand passing to firmer sand with slight clay, an A2, continuing further than I can drill. The deep topsoil of a near- channell 'sand-monkey'. Further down is a sandy, firm, mottled B2. The slope steepens west to a

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
19B1	Carbonates - manometric
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6B3	Total organic carbon - high frequency induction furnace, infrared
7B1	Water soluble nitrate - automated colour
9B1	Bicarbonate-extractable phosphorus - manual colour
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method