

Description of soil at Flux Tower site, Calperum Station

Orthic Tenosol



Horizon	Depth (cm)	Description
A1	0-11	Reddish brown (5YR4/4m), yellowish red (5YR5/6 d), loamy sand, free grain structure; low organic matter, loose consistence; pH 6, abrupt to
A2	11-41	Yellowish red (5YR4/6 m & d), , loamy sand, free grain structure, low organic matter, loose consistence; pH 6, clear to
B	41-66	Yellowish red (5YR5/6 m), yellowish red (5YR4/6 d), clayey sand, massive structure, low om, moderately calcareous, pH 8, clear to
Bk	66-90	Reddish yellow (5YR6/6 m & d), clayey fine sand, sub-angular blocky of moderate grade 2-10mm diameter, common soft calcareous segregations of medium size (2-6mm); highly calcareous, pH 8.5, diffuse to
Ck	90-140	Reddish yellow (5YR6/6 m, 5YR7/6 d), clayey fine sand, sub-angular blocky of weak grade 2-10mm diameter, many soft calcareous segregations of coarse and very coarse (6-50mm); very highly calcareous, pH 9,

Samples

Bulk density (rings)

Sample #	Oven Dry BD (1)	Oven Dry BD (2)	mean OD BD (g.cm ⁻³)
B 0-11	1.67	1.68	1.68
B 11-41	1.63	1.71	1.67
B 41-66	1.67	1.74	1.71
B 66-90	1.70	1.62	1.66
B 140-145	1.63	1.62	1.63

Bulk samples

1-2kg from each of the horizons.

Surface crust

Samples of the surface 'crust' (at 0-3mm depth) taken in small chippettes.

DJC

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