

Hor. no.	Horizon symbol	Depth (cm)	Horizon characteristics
1	Ai + Ah	5	Main layer from loess mixed with pumice, disturbed humic topsoil, dark brown (10YR 4/3), silty loam (Lu), weakly humic, strongly rooted, crumb structure, low bulk density, diffuse transition
2	Al + Bt	90	Main layer from loess mixed with pumice, yellowish brown (10YR 5/8), strong clayey silt (Ut4, G2), very weak humic, middle rooted, polyhedral to platy structure, low to middle bulk density, wavy lower boundary
3	II Sw	110	Middle layer from loess, yellowish brown (10YR 5/6), strong clayey silt (Ut4, fX1), weakly rooted, coherent structure, high bulk density, single Bt bands with accumulation of oxides, wavy lower boundary
4	III Sd	140	Basal layer from redistributed saprolite, brown (10YR 5/8), weak clayey loam (Lt2, fX2), weakly rooted, weak rusty mottling, polyhedral structure, high bulk density, sharp wavy lower boundary
5	Bv1	170	Basal layer from redistributed saprolite, brown (10YR 5/8), silty clay (Tu3, fX1), prism structure, high bulk density
6	Bv2	200	Basal layer from redistributed saprolite, reddish brown (7.5YR 6/8), clayey loam (Lt3, fX1), prism structure, high bulk density, sharp lower boundary
7	IV mCj1	1000	Mesozoic–Tertiary saprolite from silt slate, red (2.5YR 5/6) and purple zones (7.5R 5/3) interfingering with yellow brown (10YR 7/6) to dark brown (10YR 5/8) zones, following the cleavage and joints, soft and friable, with black Mn oxide stains on cleavage plains
8	mCj2	1500	Mesozoic–Tertiary saprolite from silt slate, reddish brown (7.5YR 7/6), red (2.5YR 7/6) and red-purple (10R 5/3) zones; soft, to disintegrate manually
9	mCj3	2000	Mesozoic–Tertiary saprolite from silt slate, brownish yellow (10YR 7/6), sections with quartz veins are interfingering with mCj2 over a depth of 5–8 m, cleavage plains stained with black-brown Mn oxides; indurated, but plates centimetres thick are manually breakable
10	mCj4	2400	Mesozoic–Tertiary saprolite from silt slate, light olive-grey (5BG 7/1), only apart from joints and fissures dark grey (10BG 5/1) zones with higher contents of primary coaly bituminous organic matter, cleavage plains with dark brown to black coatings of Fe-Mn oxides
11	mCj5	3000	Mesozoic–Tertiary saprolite from silt slate, basal zone with vertical zones of olive-grey (10BG 5/1), weakly oxidized saprolite interfingering with black (N 3/0) fresh slate, massive
12	mCn	3000+	Nearly fresh silt slate, black (N 3/0), matrix along single joints and quartz veins with olive elucidation due to oxidation (10G 4/1)