

Hor. no.	Horizon symbol	Depth (cm)	Horizon characteristics
1	L + Of	2–0	Humic layer
2	Ah	0–6	Main layer from loess mixed with pumice, humic horizon, grey-brown (10YR 3/4) silty loam (Lu), humic, rooted, low bulk density, crumb structure, sharp lower boundary
3	Al	25	Main layer from loess mixed with pumice, yellowish brown (10YR 4/4) sandy loam (Ls3), weak humic, weakly rooted, smooth transition
4	S-Bt	48	Main layer from loess mixed with pumice, pale brown (10YR 4/3) silty loam (Lu), weakly rooted, dark brown clay cutans, Mn oxide concretions, polyhedral structure, sharp horizontal boundary
5	II S-Bt	78	Middle layer, dominated by loess, yellow-brown (10YR 6/6) clayey silt (Ut3), weakly rooted, dark brown (10YR 5/4) clay cutans, Mn oxide concretions, polyhedral to prismatic structure, sharp and wavy lower boundary
6	III Sd-ICj	113	Base layer, grey (10YR 7/2) and yellowish brown (10YR 5/4) loamy clay (Tl) coherent structure, high bulk density, wavy lower boundary
7	IV fiGr + fiGmk	700	Fluvial sediment (Upper Oligocene Vallendar gravel), more or less silicified white (10Y 8/1) sand with layers of sandy silt (Us, G3+Ls3), weakly rounded milky quartz pebbles and boulders, layers of massive silcrete
8	V SBj-M1	1000	Soil sediment (redistributed Plinthosol) of a pre-Upper Oligocene paleosol as filling of an erosion gully, red (2.5YR 3/4) and weakly grey mottled (5BG 7/1) loamy clay (Tl3) to clay (Tt)
9	SBj-M2	1300	Soil sediment (redistributed Plinthosol) of a pre-Upper Oligocene paleosol as filling of an erosion gully, grey (10BG 7/1), rusty mottled (10R 3/4) clay (Tt)
10	VI mCewjs	1500	Transition zone in Mesozoic–Tertiary saprolite of silt slate at the gully margin, brownish yellow (10YR 8/4), soft
11	mCewj	1900	Mesozoic–Tertiary saprolite of silt slate, white (10BG 6/1), soft, yellow and orange stains of iron oxide
12	mCorj	2100	Mesozoic–Tertiary saprolite of silt slate, light grey (5BG 8/1), soft, yellow and orange stains of iron oxide
13	mCrj	2500+	Mesozoic–Tertiary saprolite of silt slate, dark grey (5B 5/1), soft