

TABLE DR1. PALEOSOL MORPHOLOGICAL PROPERTIES

Paleosol (Location)	Age (¹⁴ C yr B.P.)	Horizons	Depth (cm)	Texture	Colors [†]	Redox mottles	Structure [‡]	Reaction to HCl	Pedogenic carbonate	Soil classification
Viejo (BHT-n)	>760 – <1130	A	5–41	Silt loam	10YR 3/2	None	2cabk	yes	None	Fluventic Haplustoll
Janos (BHT-h)	>1860 – <2290	Bk	41–55	Silt loam	10YR 4/3	None	3cabk	yes	3% filaments	Aridic Calcicustoll
		A	73–99	Silty clay loam	7.5YR 2/2	None	2csbk	yes	None	
		Bk1	99–121	Silty clay loam	7.5YR 3/3	None	3csbk	yes	5% nodules	
		Bk2	121–182	Silt loam	7.5YR 4/3	None	3csbk	yes	3% filaments	
Trincheras (BHT-h)	¹ 3100	A	182–202	Silty clay loam	7.5YR 3.5/2	None	3mabk	yes	2% filaments	Aridic Ustifluent
Antonio (BHT-b)	¹ 4500	Bw/C	202–241	Silt loam	7.5YR 5/3	None	3cabk	yes	None	Aeric Endoaquept
		A	300–315	Clay loam	10YR 4/2	Common	3csbk	yes	None	
		Bkg1	315–352	Clay	10YR 4.5/2	Common	3csbk	yes	2% nodules	
		Bkg2	352–387	Clay	2.5Y 5/3	Common	3csbk	yes	3% nodules	
Petra (BHT-f)	>4700 – <5500	A	183–246	Clay loam	10YR 2/2	None	2csbk	yes	None	Aridic Haplustoll
		Bk	246–260	Clay loam	10YR 3/3	None	3cabk	yes	2% filaments	
Guiermo (BHT-2)	>8950 – <10,000	O	215–241	Muck	N 2.5/0	Common	3cabk	no	None	Histic Humaquept
		Bg	241–262	Medium sand	2.5Y 3/1	Common	massive	no	None	
Unit A (BHT-1)	14,000 – present	A	5–12	Sandy loam	7.5YR 4/3	None	2msbk	no	None	Calcic Haplustalf
		Bt	12–44	Clay loam	5YR 5/4	None	2mabk	yes	None	
		Bk	44–134	Clay loam	7.5YR 5/4	None	2cabk	yes	30% nodules	

[†]Taken from the Munsell Color Chart.

[‡]1—weak, 2—moderate, 3—strong; m—medium, c—coarse; sbk—subangular blocky, abk—angular blocky.