



PHOTO 11. Carpenter Ridge Tuff (Tcr); crystal-poor rhyolite ignimbrite erupted from the Bachelor caldera in the central San Juan region at 27.55 Ma.

A. Thick densely welded Carpenter Ridge Tuff (Tcr), ponded within the Los Pinos graben and covering bounding faults that displace the Fish Canyon Tuff (Tfc, 28.02 Ma). Tca, andesite of the Conejos Formation; Tws, Sapinero Mesa Tuff; QTg, high-level gravels; MR, McDonough Reservoir. View to southwest, from mouth of Blue Creek (boundary CS-RC).

B. Densely welded Carpenter Ridge Tuff, central gas-cavity zone. Roadcut along Colorado Hwy 114 (geochron sample no. 02L-20, NP).

C. Upper partly welded and vapor-phase crystallized Carpenter Ridge Tuff (Tcr), forming distinctive cavernous-weathering erosional remnants. Welding and crystallization textures grade downward into the densely welded interior of this ignimbrite sheet. View to north, along Colorado Highway 114, just west of Sheep Creek (TM).