

Figure 1. Physiographic, cultural, and geologic locations mentioned in the text; also shows approximate location of major geologic structures. Base derived from 2005 Landsat imagery.

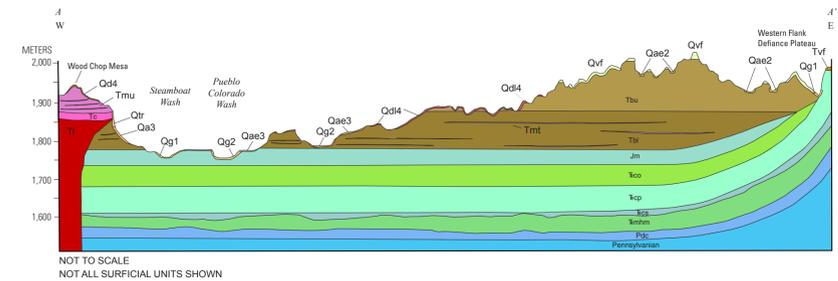


Figure 2. Schematic cross section west to east from the eastern Hopi Buttes area to Wide Ruins Wash. Mesozoic and Paleozoic rocks were uplifted during Laramide deformation that created the Defiance Plateau (fig. 1). The shape of the fold limb is not known. Tertiary erosion cut into Cretaceous and Jurassic rocks and the resultant basin was filled with Miocene rocks of the lower Bidahochi Formation (Tbl) and latest Miocene and Pliocene upper Bidahochi Formation (Tbu). These rocks are partially overlain by Pliocene and Quaternary fluvial, alluvial, and eolian sediments.

# Preliminary Bedrock and Surficial Geologic Map of the West Half of the Sanders 30' x 60' Quadrangle, Navajo and Apache Counties, Northern Arizona

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