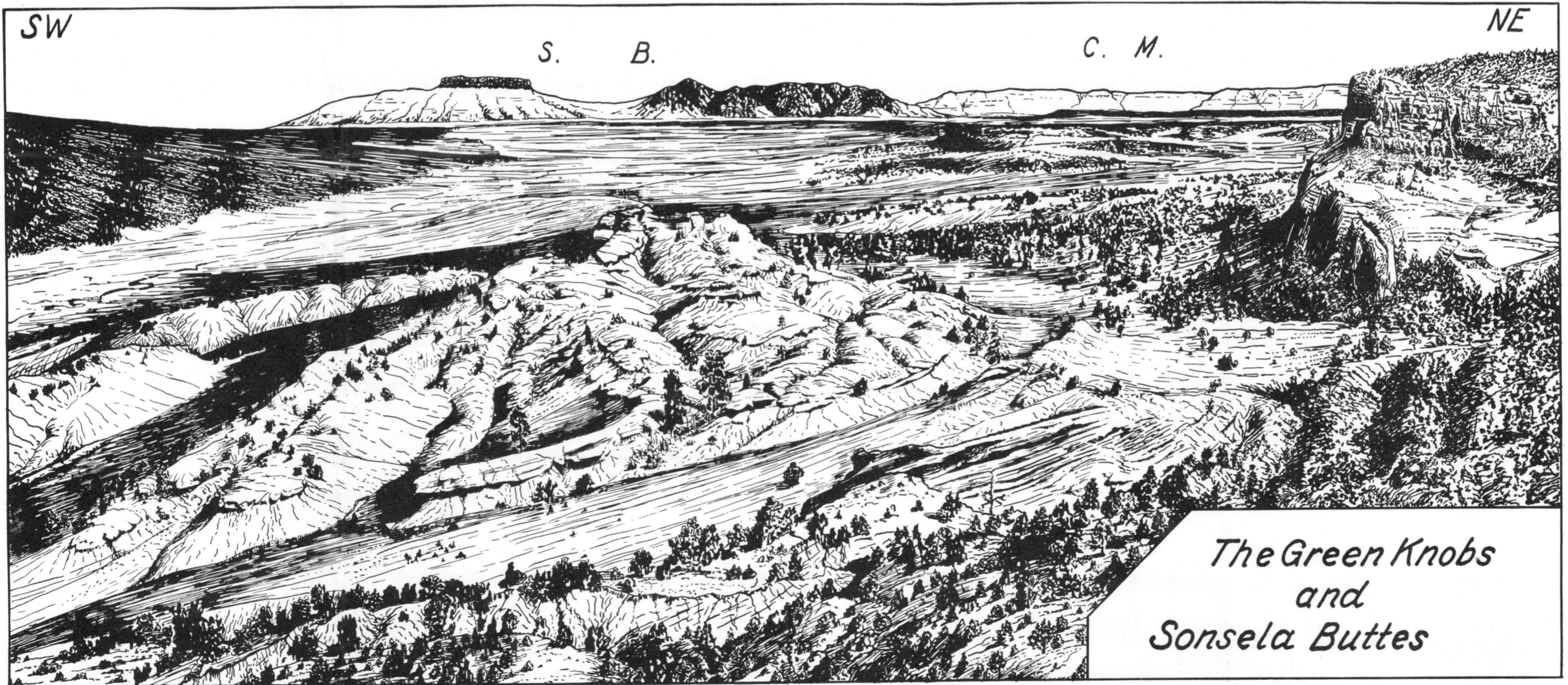


A. View across Buell Park from the southeast. Flat plain underlain by lapilli tuff with discontinuous cover of alluvium. Hill of kimberlite tuff near center of plain. Minette ring-dike, breached by Buell Creek, forms ridge in foreground and near right edge of plain. Buell Mountain, in left distance, is a complex of minette dikes and plugs of trachytic phases of minette, piercing lapilli tuff. Trachybasalt masses near summit may have approached surface of eruption. Rim rocks are upper Cutler sandstone overlain on right side by De Chelly sandstone, Shinarump conglomerate, and lower Chinle shales. Cliff in right foreground is top of De Chelly sandstone. Sonsela Buttes (S.B.) and Chuska Mountain (C.M.) on skyline.



*The Green Knobs  
and  
Sonsela Buttes*

B. View across Green Knobs from the southeast. Light-colored cliffs are pale-green lapilli tuff, showing flat layers near center and progressively steeper dips along southeastern contact (foreground). Forested cliffs on right are Entrada and Summerville formations (west border of Todilto Park) resting on Chinle shales that underline flat plain in middle distance. Lower Chinle sandstones, rising toward Defiance uplift, form forested slope near left margin. Sonsela Buttes (S.B.), consisting of plugs and short flows of minette and trachybasalt, and Chuska Mountain (C.M.) on skyline.