

Figure 1—Regional correlation of map units shown in Figure 1A and B. Schematic cross sections (A-A' and B-B') showing the inferred extensional disposition (part 1) and structural evolution (parts 2 and 3) of the Piedmont and Blue Ridge processes, Maryland.

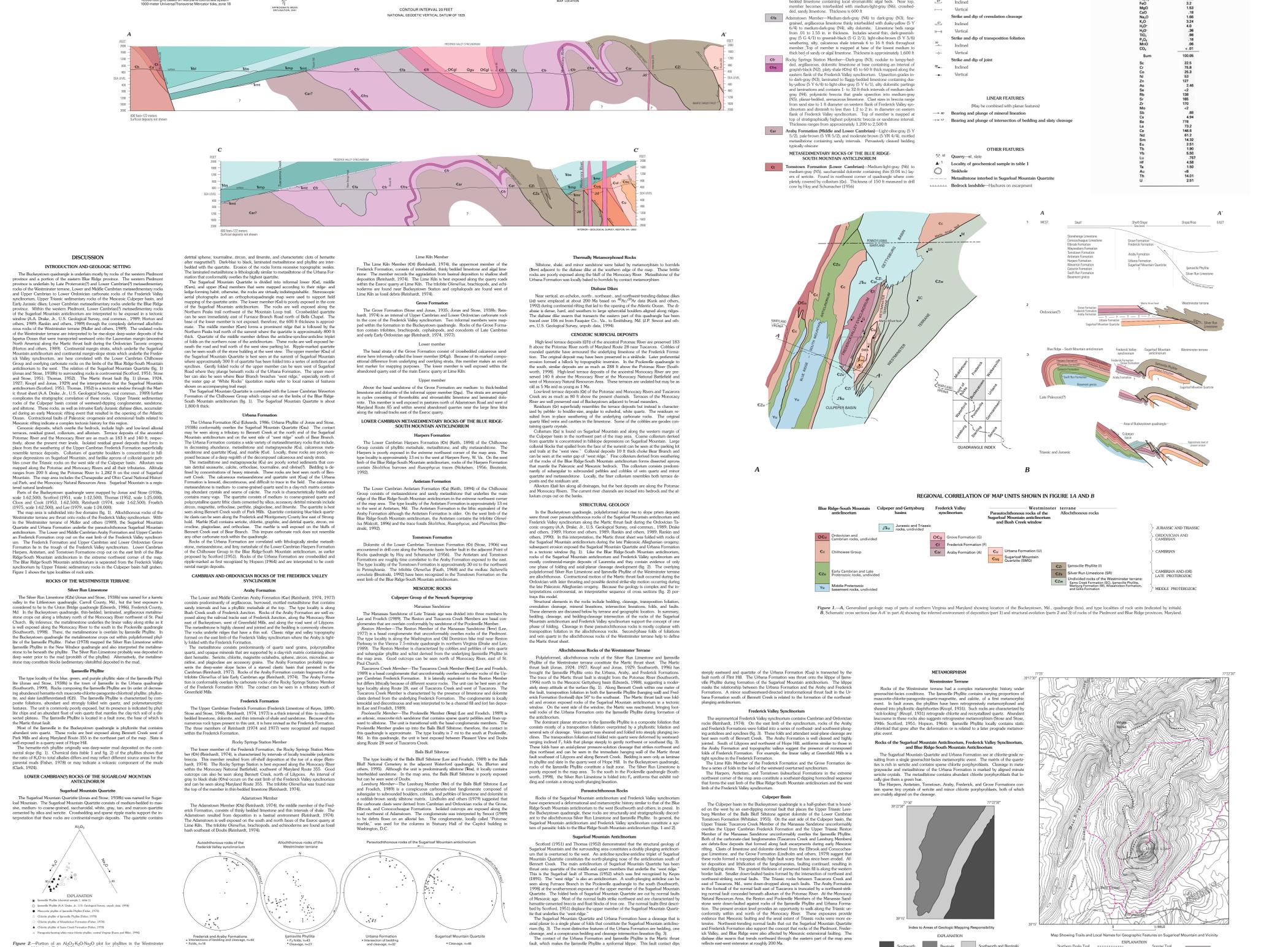


Figure 2—Portion of an Al<sub>2</sub>O<sub>3</sub>-K<sub>2</sub>O vs. SiO<sub>2</sub> plot for phylites in the Westminster terrane. The plot shows the relationship between Al<sub>2</sub>O<sub>3</sub>+K<sub>2</sub>O and SiO<sub>2</sub> for various rock units. The y-axis is labeled 'Al<sub>2</sub>O<sub>3</sub>+K<sub>2</sub>O (wt. %)' and ranges from 0 to 10. The x-axis is labeled 'SiO<sub>2</sub> (wt. %)' and ranges from 60 to 80. Data points are plotted for units such as the Anneton Formation, Upper Triassic, and Lower Cambrian. A legend at the bottom left identifies the units. A 'CORRELATION OF MAP UNITS' legend at the bottom right shows the correlation of units between the Buckeystown Quadrangle and the Frederick Valley synclinorium. A 'DESCRIPTION OF MAP UNITS' legend at the bottom left provides detailed descriptions for units like the Anneton Formation, Upper Triassic, and Lower Cambrian. A 'CORRELATION OF MAP UNITS' legend at the bottom right shows the correlation of units between the Buckeystown Quadrangle and the Frederick Valley synclinorium. A 'DESCRIPTION OF MAP UNITS' legend at the bottom left provides detailed descriptions for units like the Anneton Formation, Upper Triassic, and Lower Cambrian.

Figure 3—Lower hemisphere equal-area projections of structural data of rocks of the Buckeystown, Md. quadrangle, by structural domain. The figure shows structural data for various rock units in the Buckeystown, Md. quadrangle. The y-axis is labeled 'DIP ANGLE (°)' and ranges from 0 to 90. The x-axis is labeled 'AZIMUTH (°)' and ranges from 0 to 360. Data points are plotted for units such as the Anneton Formation, Upper Triassic, and Lower Cambrian. A legend at the bottom left identifies the units. A 'CORRELATION OF MAP UNITS' legend at the bottom right shows the correlation of units between the Buckeystown Quadrangle and the Frederick Valley synclinorium. A 'DESCRIPTION OF MAP UNITS' legend at the bottom left provides detailed descriptions for units like the Anneton Formation, Upper Triassic, and Lower Cambrian. A 'CORRELATION OF MAP UNITS' legend at the bottom right shows the correlation of units between the Buckeystown Quadrangle and the Frederick Valley synclinorium. A 'DESCRIPTION OF MAP UNITS' legend at the bottom left provides detailed descriptions for units like the Anneton Formation, Upper Triassic, and Lower Cambrian.