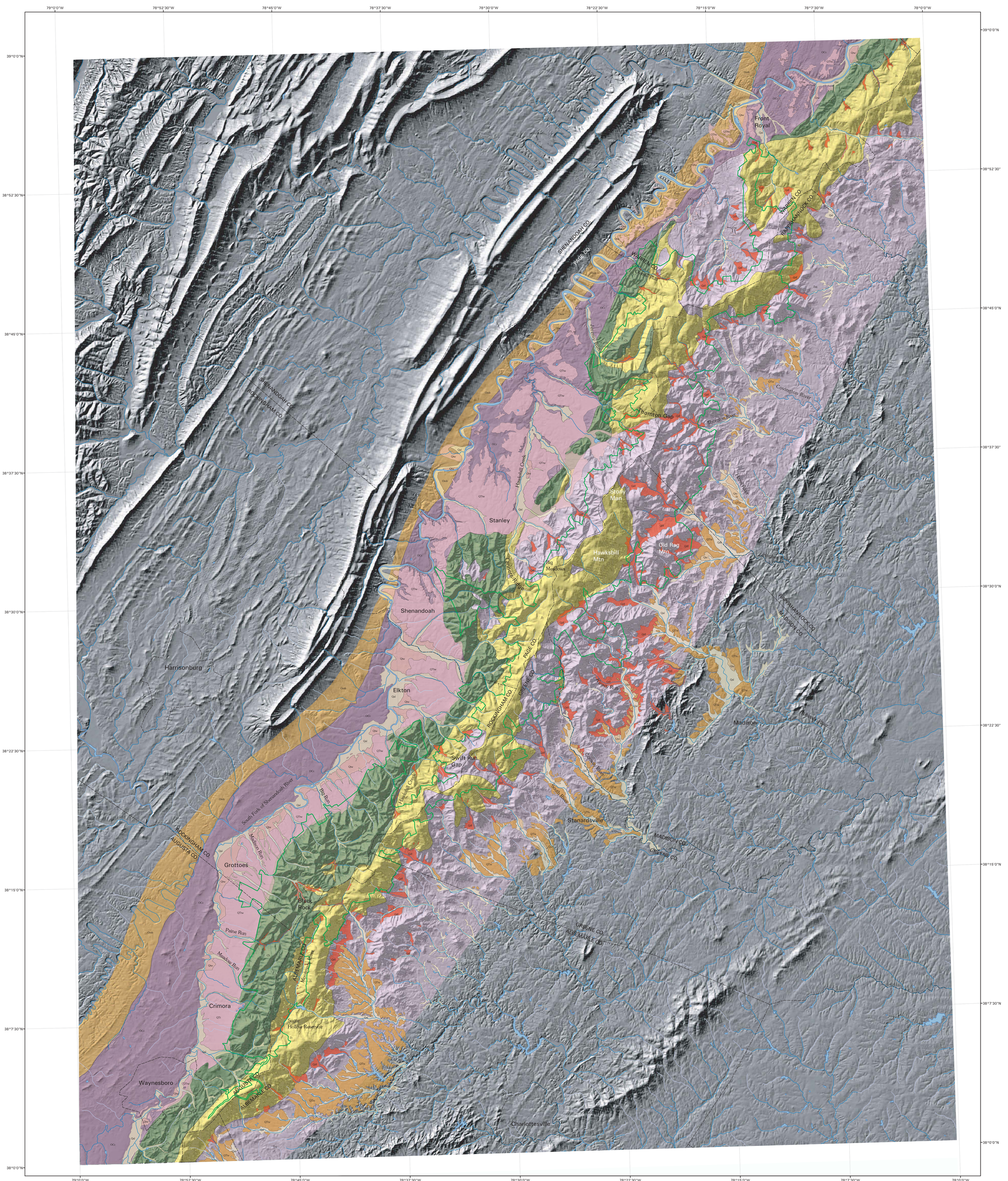
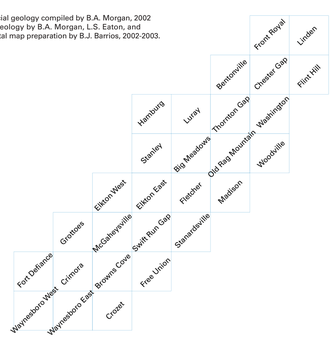
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN FILE REPORT 03-410

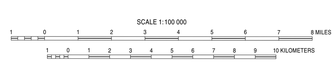



Generalized bedrock and surficial geology compiled by B.A. Morgan, 2002
Field verification of surficial geology by B.A. Morgan, L.S. Eaton, and G.F.Wieczorek, 1996-2002. Digital map preparation by B.J. Barrios, 2002-2003.









# PLEISTOCENE AND HOLOCENE COLLUVIAL FANS AND TERRACES IN THE BLUE RIDGE REGION OF SHENANDOAH NATIONAL PARK, VIRGINIA

B.A. MORGAN, L.S. EATON, AND G.F. WIECZOREK

## EXPLANATION OF MAP SYMBOLS

- Contact
- Buried contact
- Shenandoah National Park

SURFICIAL DEPOSITS

- Qal — Fluvial deposits along modern streams and the Shenandoah River
- Qtw — Terraces of the Shenandoah River
- Qle — Low strath terraces on east flank
- QTle — High strath terraces on east flank
- QTlw — Fluvial fan deposits on west flank
- Qyf — Debris-flow deposits

BEDROCK

- Omrb — Martinsburg Formation
- OCc — Waynesboro Formation, Tomstown Dolomite, and Cambrian-Ordovician carbonate formations
- Ch — Chilhowee Group
- Zc — Catoctin and Swift Run Formations, Undivided
- Zyg — Quartz-feldspathic meta-igneous rocks