EXPLANATION

- 1.5 **Location and value of Ordovician CAI_{max} sample (this report)**—al, allochthonous strata; au, autochthonous strata
- **Location of Ordovician CAI_{max} sample**—Data from Harris and others (1978)
- 1 The senior author has assigned a CAI value of 1.5 to 2.0 for the Trenton Limestone in this well
- 2 The CAI value of 3.0 is from the Beekmantown Dolomite about 1,500 to 2,000 ft below the Trenton Limestone in this well (No. 8610T James)
- 3 The senior author has assigned a CAI value of 3.5 to 4.0 for the Trenton Limestone at this outcrop location
- **Ordovician CAI_{max} isograd (this report)**—Dashed where inferred; hachured to indicate isograd depression
- **Ordovician CAI_{max} isograd**—Data from Harris and others (1978)
- **12,000-ft isopach for Middle Ordovician to Permian strata**—Data from Harris and others (1978)
- **Thrust fault**—Sawteeth on upper plate
- **Fault**—Dashed where inferred; BSF, Burning Springs fault; HF, Highlandtown fault
- **Structural front**—Dashed where inferred
- **Structural discontinuity**—Dashed where inferred
- **Hinge zone**
- K **Kimberlite**

- **Mesozoic basins**
- **Blue Ridge province**
- **Great Valley (Pa., Md.) and Shenandoah Valley (Va., W. Va.)**
- **Martinsburg Formation**
- **Hamburg sequence**
- **Valley and Ridge province**
- **Eocene intrusive rocks**
- **Scranton gravity high**
- **Henderson dome**
- **Lackawanna syncline**
- **Rome trough**

Base from U.S. Geological Survey digital data, 2008
Albers Equal-Area Conic projection
Standard parallels 35°00'N and 43°00'N
Central meridian 87°00'W

Figure 5. Map showing Ordovician conodont color alteration index ($CAI_{(max)}$) isograds superimposed on selected structural features and provinces.