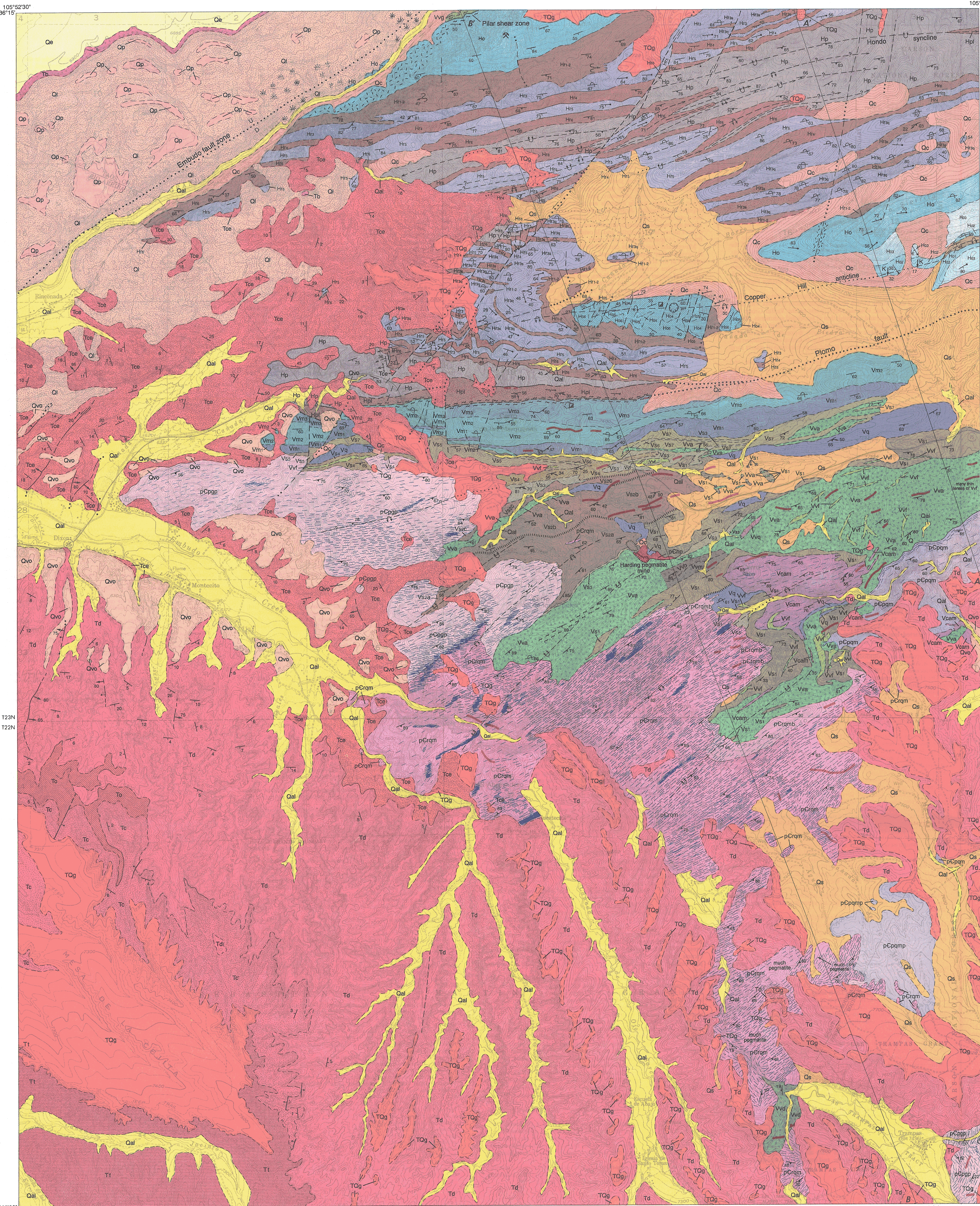


Geology of Trampas quadrangle, Picuris Mountains, Taos and Rio Arriba Counties, New Mexico

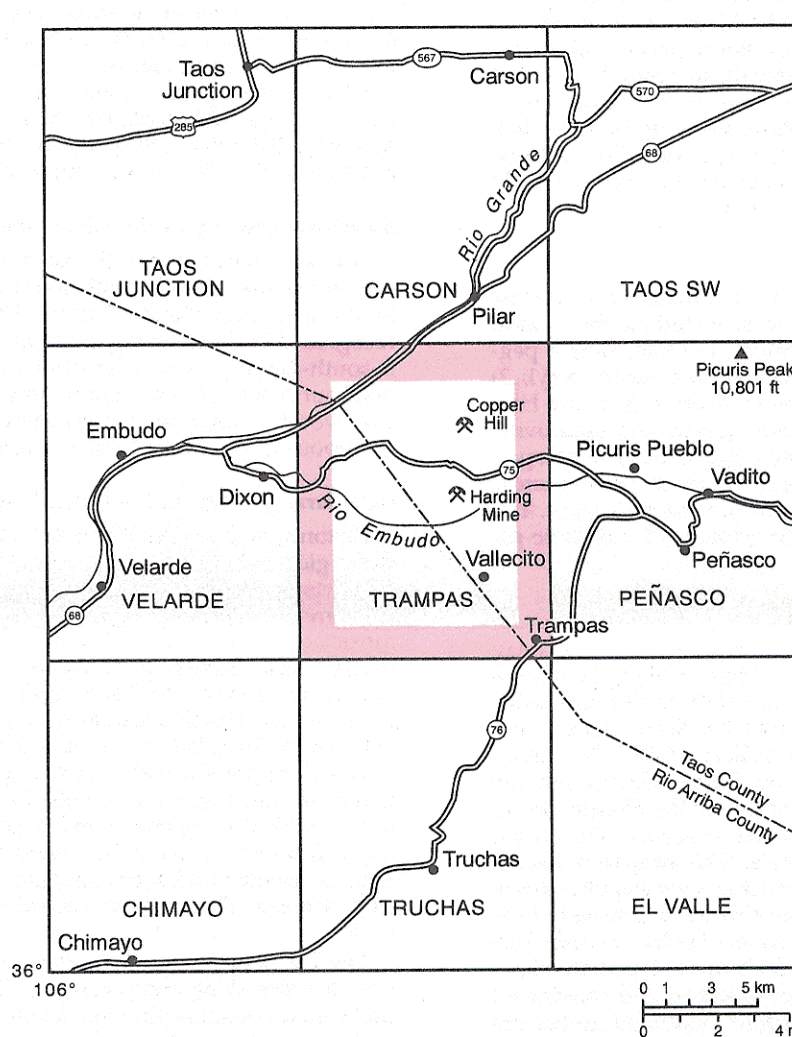
by Paul W. Bauer¹ and Mark A. Helper², 1994

¹New Mexico Bureau of Mines & Mineral Resources, Socorro, New Mexico 87801
²Department of Geological Sciences, University of Texas at Austin, Austin, Texas 78713

Other contributors: David A. Bell, Jonathan F. Callender, Rose McCarty Emanuel, Michael S. Hall, Rodney J. Holcombe, Phillip E. Long, Kim Manley, Sharon Mosher, Kent C. Nielsen, Maureen Wilks, and Michael L. Williams

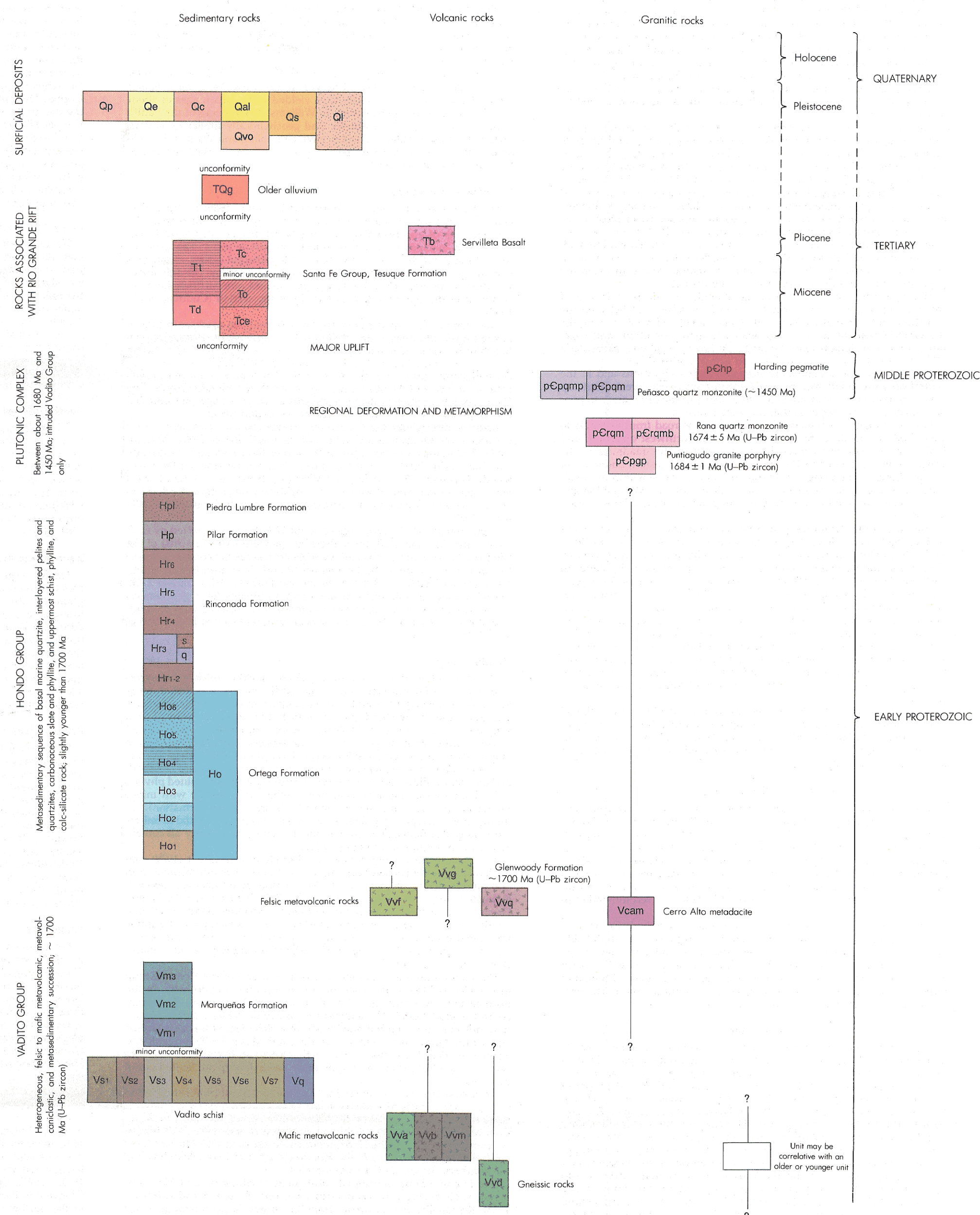


- Contact**—Dashed where approximately located, dotted where concealed, hatched where gradational
- Fault**—Dashed where approximately located, dotted where concealed, queried where inferred
- High-angle fault**—Ball and bar on downthrown side
- Low-angle fault**—Sawtooth on upper (overthrust) plate
- Direction and plunge of fault strike**
- Shear zone**—In Proterozoic rocks
- Brecciated area**—In Proterozoic rocks
- Strike and dip of beds**
 - Inclined beds in Tertiary rocks
 - Inclined beds in Proterozoic rocks, top uncertain
 - Inclined beds in Proterozoic rocks, upright
 - Overturned beds in Proterozoic rocks
- Strike and dip of dominant foliation**—In Proterozoic rocks
- Direction of plunge of intersection lineation**—Between bedding and dominant foliation of Proterozoic rocks
- Direction of plunge of mineral extension lineation**—In Proterozoic rocks; K = kyanite, Q = quartz
- Anticline**—Showing direction of plunge, dashed where approximately located, dotted where concealed, queried where doubtful
- Overturned anticline**—Showing direction of plunge, dashed where approximately located, dotted where concealed, queried where doubtful
- Syncline**—Showing direction of plunge, dashed where approximately located, dotted where concealed, queried where doubtful
- Overturned syncline**—Showing direction of plunge, dashed where approximately located, dotted where concealed, queried where doubtful
- Area of many plunging folds**
- Pegmatite**
- Vertical shaft**
- Portal or adit**
- Prospect pit or quarry**
- Mine dump**
- Minor prospect**
- Orientation and intensity of tectonic foliation**—In granitic rocks
- Marsh**



TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1993

CORRELATION OF UNITS



Sorting beryl at the Harding pegmatite mine. From left to right: Arthur Montgomery, Flavio Griego, A. E. Archuleta, the emule beryl, Juan Romero, Eliseo Griego, and Pablo Rendón. Photo by Laura Gilpin, 1953. © 1981, Laura Gilpin Collection, Anson Carter Museum, Fort Worth, Texas; negative no. A 4731.6.

