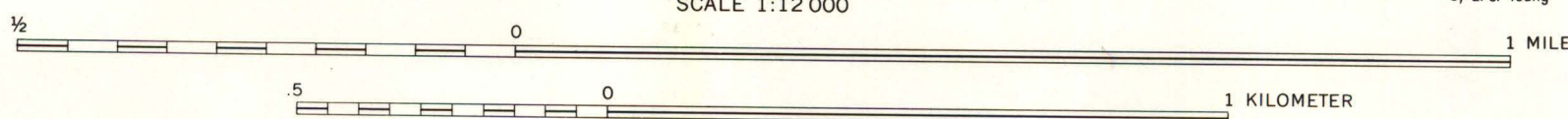


- EXPLANATION**
For description of map units see Plate 1
- 435 225 ● **RADIOMETRIC READING**—Measured in counts per second (cps); localities ≥ 350 cps are circled
 - MINERALOGIC DATA**
 - x Sample locality
 - MINERALS FOUND IN PEGMATITE**
 - ap Blue apatite
 - apa Green-red apatite
 - apat Colorless apatite
 - col Columbite
 - cr Chrysoberyl
 - T Tourmaline crystals, variety schorl
 - MINERALS FOUND IN MICA SCHIST AS METACRYSTS**
 - (a) Andalusite
 - g Garnet (occasionally found in hornblende gneiss and quartzite)
 - s Sillimanite
 - st Staurolite
 - MODERATE CONCENTRATIONS FOUND IN HORNBLLENDE GNEISS**
 - e Epidote
 - OTHER MINERALS OR ROCK TYPES**
 - c Calcite concentrations found in hornblende gneiss and fault zones
 - ch Chalcocopyrite
 - Cu Malachite staining (indicating copper)
 - fb Fault breccia
 - m Magnetite abundant as accessory mineral
 - M Massive magnetite found in magnetite and quartz layer
 - py Pyrite
 - q Vein quartz, common
 - qt Massive quartz vein
 - t Tourmaline, fine-grained, as selvage to pegmatite or moderate component of mica schist

Base from U.S. Geological Survey

SCALE 1:12 000

Radiometry mapped in 1973-1976 by E. J. Young



CONTOUR INTERVAL 200 FEET
NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929

**RADIOMETRIC AND MINERALOGIC MAP OF THE
SCHWARTZWALDER AREA, JEFFERSON COUNTY,
COLORADO**