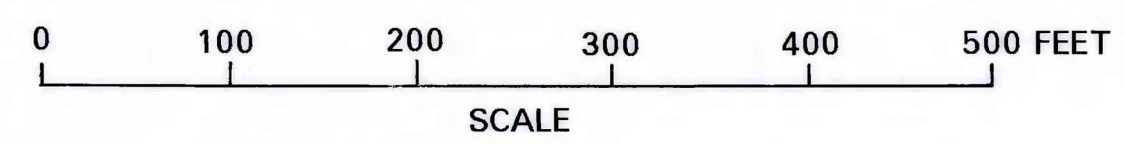


- EXPLANATION**
- Tdu Post-mineralization dikes
  - <sup>79</sup> Late-stage base-metal-sulfide-bearing barite veins
  - Tbp Hydrothermal breccias and pebble dikes
  - Tqv Acid-sulfate alteration types in quartz latite volcanic dome rocks
  - Tqa Vuggy Silica alteration (central)
  - Tqk Quartz - kaolinite alteration
  - Taa Argillic alteration
  - Tpa Propylitic alteration (distal)
  - Tbe Early Breccias
  - Tbe Prealteration breccias and breccias contemporaneous with acid-sulfate alteration
- Contact - Dashed where inferred
- <sup>82</sup> Strike and dip of contacts and faults
- <sup>78</sup> Strike and dip of fractures and joints
- Vertical strike and dip of fractures and joints

TERTIARY



**GEOLOGIC MAP OF THE OPEN-PIT HIGHWALL, SUMMITVILLE, COLORADO**

By  
J.E. Gray, M.F. Coolbaugh, and G.S. Plumlee

1993

Topography provided by the Summitville Consolidated Mining Company, Inc., 1988

Geologic mapping by J.E. Gray, 1987-88

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey editorial standards.