

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Analytical data from geologic sampling in the
eastern San Juan Mountains, Colorado
1966 to 1968

By

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Open-File Report 76-825
1976

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

This open-file report consists of analyses of geologic samples collected in nine areas of the eastern San Juan Mountains, Colorado. These areas are conspicuous because of alteration and mineralization; they are generally within centers of volcanism. The areas and samples are shown on 11 maps; approximately 700 analyses are presented in 17 tables and are keyed to the maps. The sample analyses are dominantly of rock but stream sediments, mineral separates and water are included.

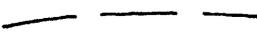
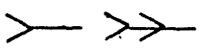
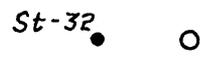
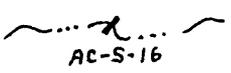
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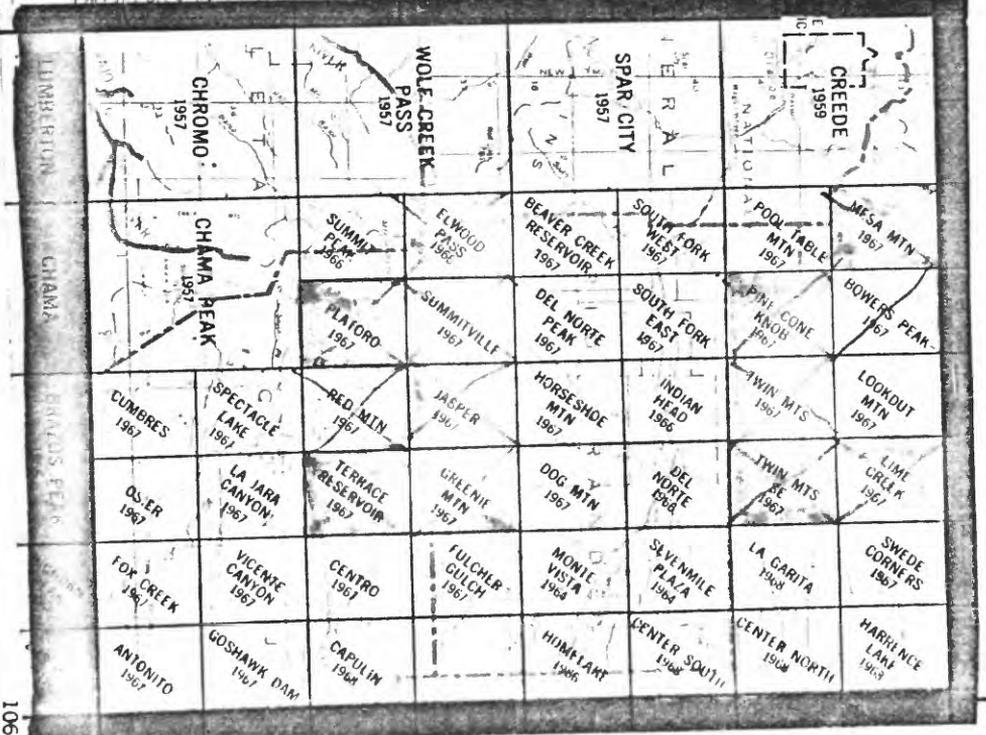
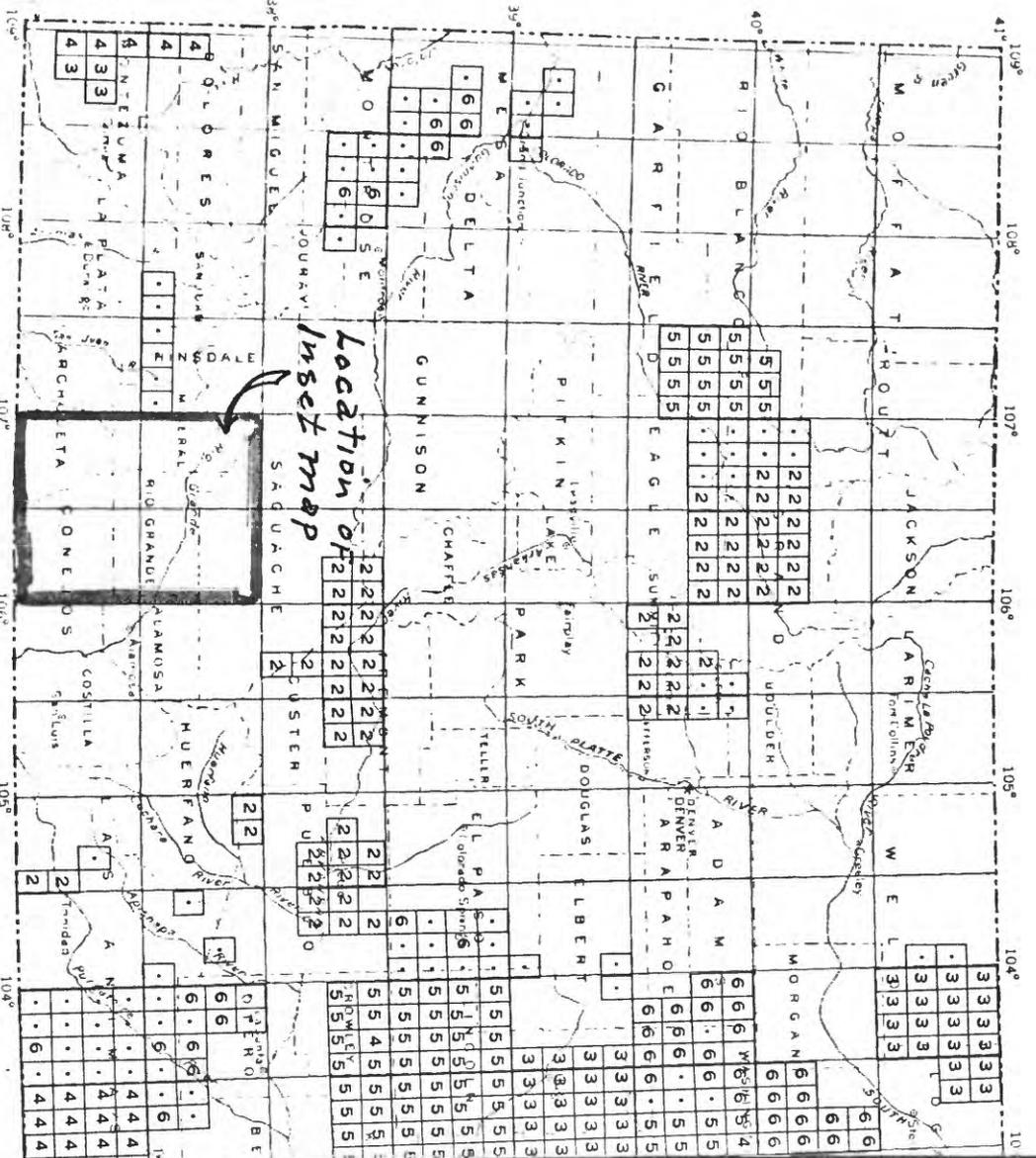
MAP EXPLANATION

-  FAULT--Queried where uncertain or projected
-  CONTACT--Placed during reconnaissance mapping
-  MINE ADIT(S)
-  MINE SHAFT
-  PROMINENT PROSPECT
-  SAMPLE LOCALITY SHOWING NUMBER
-  STREAM SEDIMENT SAMPLE LOCATION SHOWING NUMBER

References

- Lipman, P. W., 1968, Geology of the Summercoon volcanic center: Colorado School Mines Quart., v. 63, no. 3, p. 211-236.
- _____ 1974, Geologic map of the Platoro Caldera area, southeastern San Juan Mountains, southwestern Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-828.
- Sharp, W. N., and Cualtieri, J. L., 1968, Lead, copper, molybdenum and zinc geochemical anomalies south of the Summitville District, Rio Grande County, Colorado: U.S. Geol. Survey Circ. 557, 7 p.
- Steven, T. A., and Ratté, J. C., 1960, Geology and ore deposits of the Summitville District, San Juan Mountains, Colorado: U.S. Geol. Survey Prof. Paper 343, 70 p.

COLORADO



Index map showing locations of sample areas (maps)