



Geology simplified from Stewart and others, 1982

[illegible][illegible][illegible]

Map E shows the distributions of SCORESII anomalies for the element suite bismuth, molybdenum, tin, and tungsten in samples of concentrate. This distribution is similar to that of the element suite bismuth, molybdenum, tin, and tungsten in samples of ore, in that they might contain exposed or concealed porphyry molybdenum deposits. This suite may also identify contact-metasomatic tungsten deposits. Note that the distribution of the related element niobium is also similar to that of bismuth; for the Walker Lake quadrangle, these four elements do not seem to be closely related to possible molybdenum porphyry environments and therefore are not shown on this map. The element suite bismuth, molybdenum, tin, and tungsten with a SCORESII value of 4 or more (the upper 5 percent of all the samples in the data set) have been arbitrarily chosen as areas of interest. The areas of interest are shown on Map E and are located in the following areas: (A) the southern part of the Pine Nut Mountains, (B) the Pine Grove district in the Pine Grove Hills, (C) the Silver Lake district in the Silver Lake Hills, (D) the area between the upper West Walker River and Lundy Canyon in the Sierra Nevada, (E) the Aurora district in the Bodie Hills, (F) the Butler district in the Bodie Hills, (G) the area between the upper West Walker River and Gardfield Creek, (H) the northern part of the Gardfield Hills, (I) the

Chem. Comm., 5265 Port Royal Road, Springfield, VA 22161.

Miler, A.L., 1960, Flameless atomic-absorption determination of gold in geological materials. *Geological Survey Bulletin*, v. 13, no. 1, p. 77-85.

Stewart, J.F., Carlson, J.E., and Johnson, D., 1962, Geologic map of the "Cerro Gordo" area, 1:250,000 scale, 2° 42' quadrangle, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-382-A, scale 1:250,000.

Touker, J.E., Morris, J.S., and Phipps, R., 1963, Geology of the Elgarit Basin, Platte River area, California, with a section on Geophysical studies, by H.W. Oliver: U.S. Geological Survey Bulletin 1261-A, 70 p.

Vietz, J.E., 1978, Determination of silver, blanch, cadmium, lead, and zinc by atomic absorption spectrophotometry with triethylmethylammonium chloride: *Analytical Chemistry*, v. 50, no. 8, p. 1501-1502.

Ward, F.M., Lakin, H.W., Conney, F.C., and others, 1963, Analytical methods used in geochronological exploration by the U.S. Geological Survey: U.S. Geological Survey Bulletin 1150.

Ward, F.M., Kagaoka, H.M., Harris, T.M., and Vansickle, G.H., 1969, Atomic-

By
M.A. Chaffee
1988