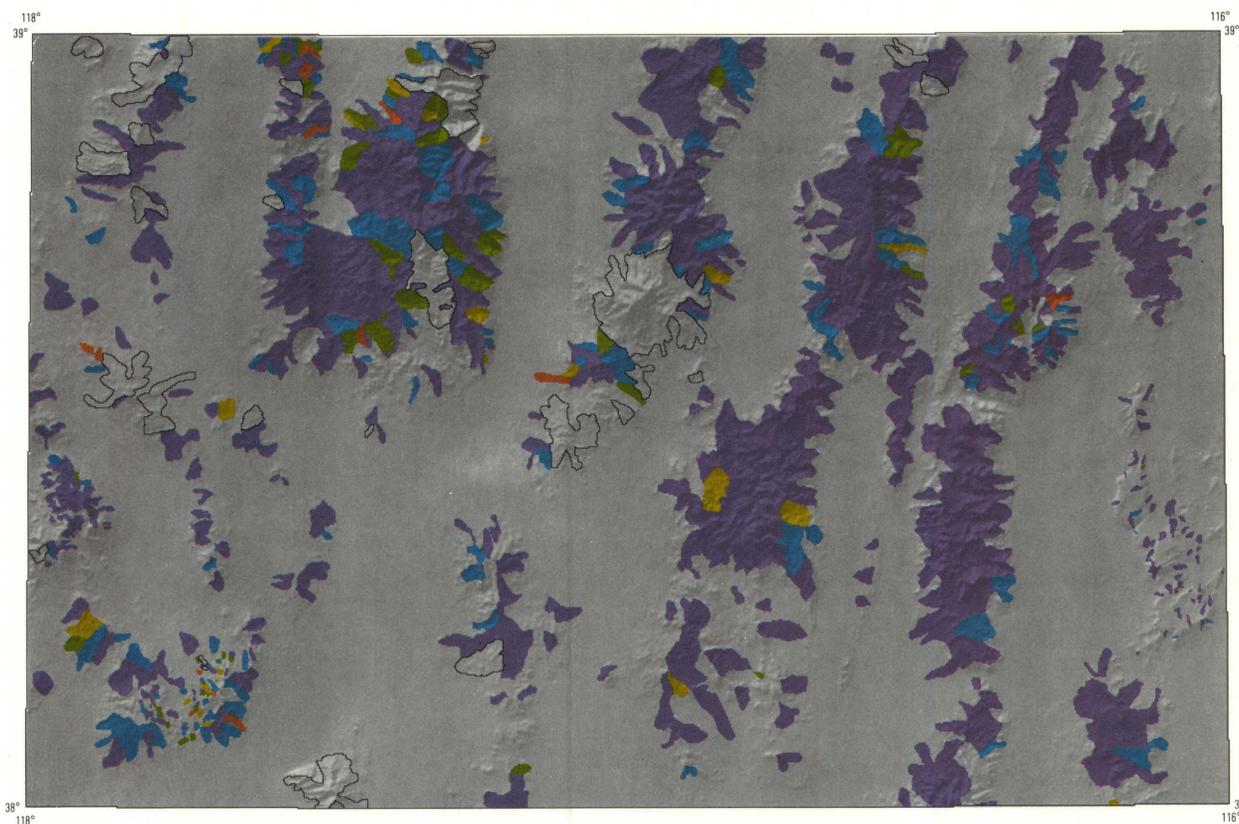
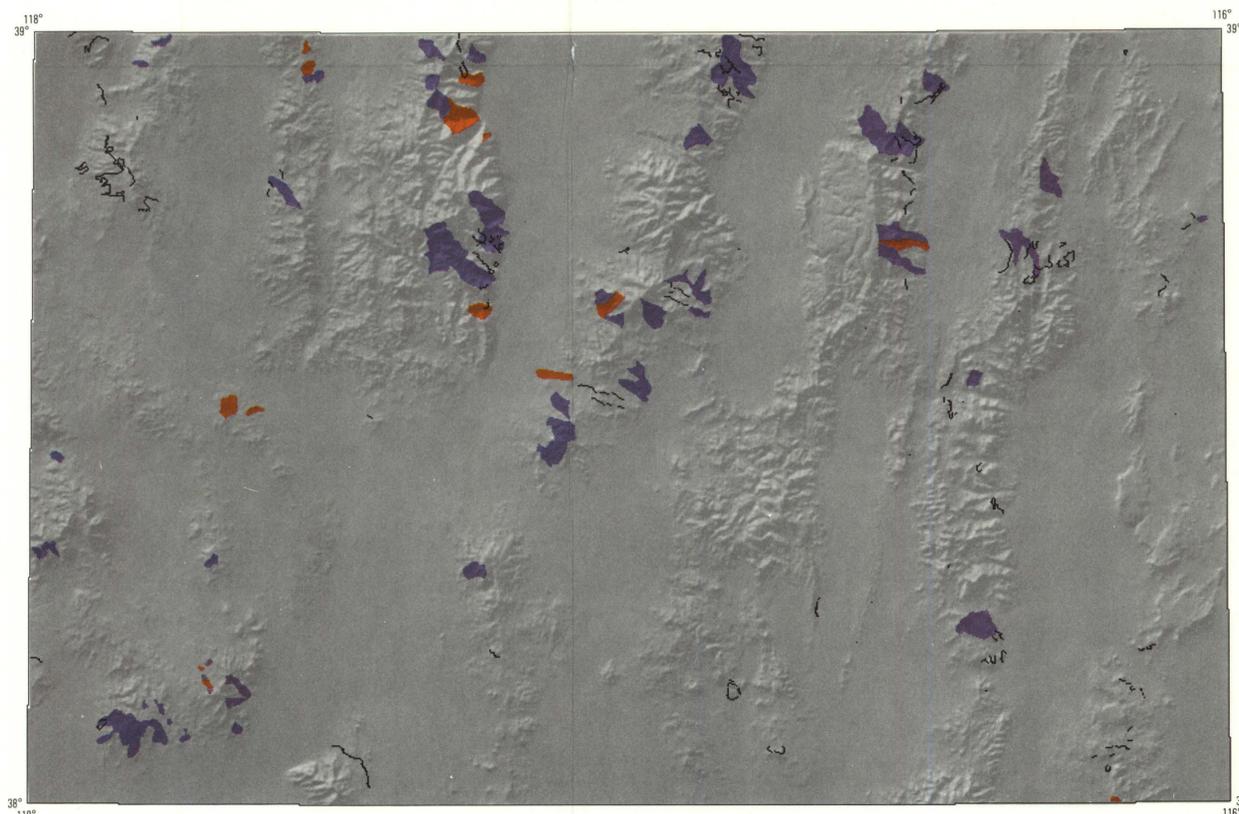


Map A. Distribution of total concentrations of arsenic, antimony, molybdenum, and zinc after individual element values have been adjusted according to dominant drainage-basin lithologies



Map B. Distribution of total concentrations of arsenic, antimony, molybdenum, and zinc after individual element values have been adjusted according to dominant drainage-basin lithologies, excluding areas of exposed plutonic rocks



Map C. Areas favorable for Carlin-type gold deposits, on the basis of geological and geochemical criteria

EXPLANATION

Total rank shown as cumulative percentile intervals:

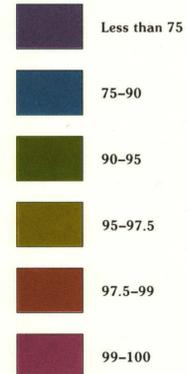


NOTE

The artificial illumination is at an azimuth of 330° and a solar elevation angle of 10°.

EXPLANATION

Total rank shown as cumulative percentile intervals:



Black lines delineate drainage-basin areas that have been removed because they contain exposures of plutonic rocks

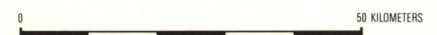


EXPLANATION

Sampled drainage basins where the total ranked As+Sb+Mo+Zn values are within the 75-95 percentile intervals and which contain exposed pre-Tertiary sedimentary rocks

Sampled drainage basins where the total ranked As+Sb+Mo+Zn values are above the 95th percentile and which contain exposed pre-Tertiary sedimentary rocks

Black lines delineate known thrust faults



NOTE ON MAP PRODUCTION

The maps shown above are the results of digital spatial data analysis conducted using Geographic Information System (GIS) techniques and procedures. The original data used in this study were compiled from a variety of sources, including digital files and standard cartographic products. Map-based information was digitized using ARC/INFO software, which is available from Environmental Systems Research Institute, Redlands, California. Commercially available relational database management software was used to manipulate data acquired as tabular data in digital format. Data were further processed and analyzed using Land Analysis System (LAS) software, which was developed by and is available from the NASA Goddard Space Flight Center, Greenbelt, Maryland, and the U.S. Geological Survey's EROS Data Center, Sioux Falls, South Dakota. The final results from digital spatial data processing were rasterized and written to film using a MacDonald-Detwiler Associates Colorfire 240 digital film recorder. The film products were photographically enlarged, processed, and prepared in accordance with specifications required for generating the lithographic products shown here. These cartographic representations are experimental in nature and do not necessarily represent the state-of-the-art capabilities that may have evolved while preparation of this manuscript was in progress.