

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

**MAP OF ARGILLIC AND ADVANCED ARGILLIC ALTERATION  
AND PRINCIPAL HYDROTHERMAL QUARTZ AND ALUNITE VEINS  
IN THE TUSHAR MOUNTAINS AND ADJOINING AREAS,  
MARYSVALE VOLCANIC FIELD, UTAH**

**By Charles G. Cunningham, Thomas A. Steven, Peter D. Rowley,  
Lori B. Glassgold, and John J. Anderson**

MISCELLANEOUS INVESTIGATIONS SERIES  
Published by the U.S. Geological Survey, 1984