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NEVADA BUREAU OF MINES AND GEOLOGY

REPORT 19

 GUIDEBOOK TO THE GEOLOGY
 OF FOUR TERTIARY VOLCANIC
 CENTERS IN CENTRAL NEVADA

(Prepared in conjunction with Geological Society of America
 Cordilleran Section Meeting, Las Vegas, Nev., March 1974)

A road log and trip guide to the collapse calderas
 at Northumberland Canyon in the Toquima
 Range and at Black Mountain on Pahute Mesa,
 and to the precious-metal mining districts of
 Tonopah and Goldfield.

The Mackay School of Mines is the educational, research, and public service center for the mineral resources, geology, and mineral industry of Nevada. It is one of the several colleges of the University of Nevada, Reno. The School consists of three divisions: the academic division, composed of the departments of instruction; the Nevada Bureau of Mines and Geology; and the Nevada Mining Analytical Laboratory.

The Nevada Bureau of Mines and Geology and the Nevada Mining Analytical Laboratory, as public service agencies, make available information, maps, and reports on the mineral resources and geology of Nevada. Both organizations work on mineral economic and environmental problems, and assist in the development and utilization of the State's mineral resources. The Bureau conducts field studies and other research on geology and mineral deposits. The Laboratory identifies, analyzes, and evaluates minerals, rocks, and ores found in Nevada, and performs research in mineral beneficiation and extractive metallurgy.

For information concerning the mineral resources, geology, or mineral industry of Nevada, write to: Director, Nevada Bureau of Mines and Geology, University of Nevada, Reno, Nevada 89507.

MACKAY SCHOOL OF MINES
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