Index to Road Logs and River Logs in Arizona 1950—1980

by

Joseph R. LaVoie and Thomas G. McGarvin

State of Arizona
Bureau of Geology and Mineral Technology
Geological Survey Branch

1981

Circular 22
University of Arizona
Tucson

State of Arizona
Arizona Geological Survey
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COVER PHOTO: Aerial view of Highways U.S. 60 and Arizona 77 crossing the Salt River in Salt River Canyon. View facing east. Photo taken on May 22, 1981.

Road log 13 (1967) includes Highway 77. The bridge at the crossing is the upper starting point of River Log 2 (1981). See the index.

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INTRODUCTION

This Index is a comprehensive list of published geologic logs of Arizona's roads and rivers, with accompanying maps. Most of these logs describe the climate, cultural history, vegetation and wildlife of the state, in addition to the geology. This volume is dedicated to all professional geologists and interested adventurers who seek an introduction to the geologic features of Arizona.

ACKNOWLEDGMENTS: Grateful appreciation is extended to staff members of the Bureau of Geology and Mineral Technology for their assistance, review and suggestions. Special thanks to Robert Scarborough for piloting the plane from which the photograph of the Salt River Canyon was taken.

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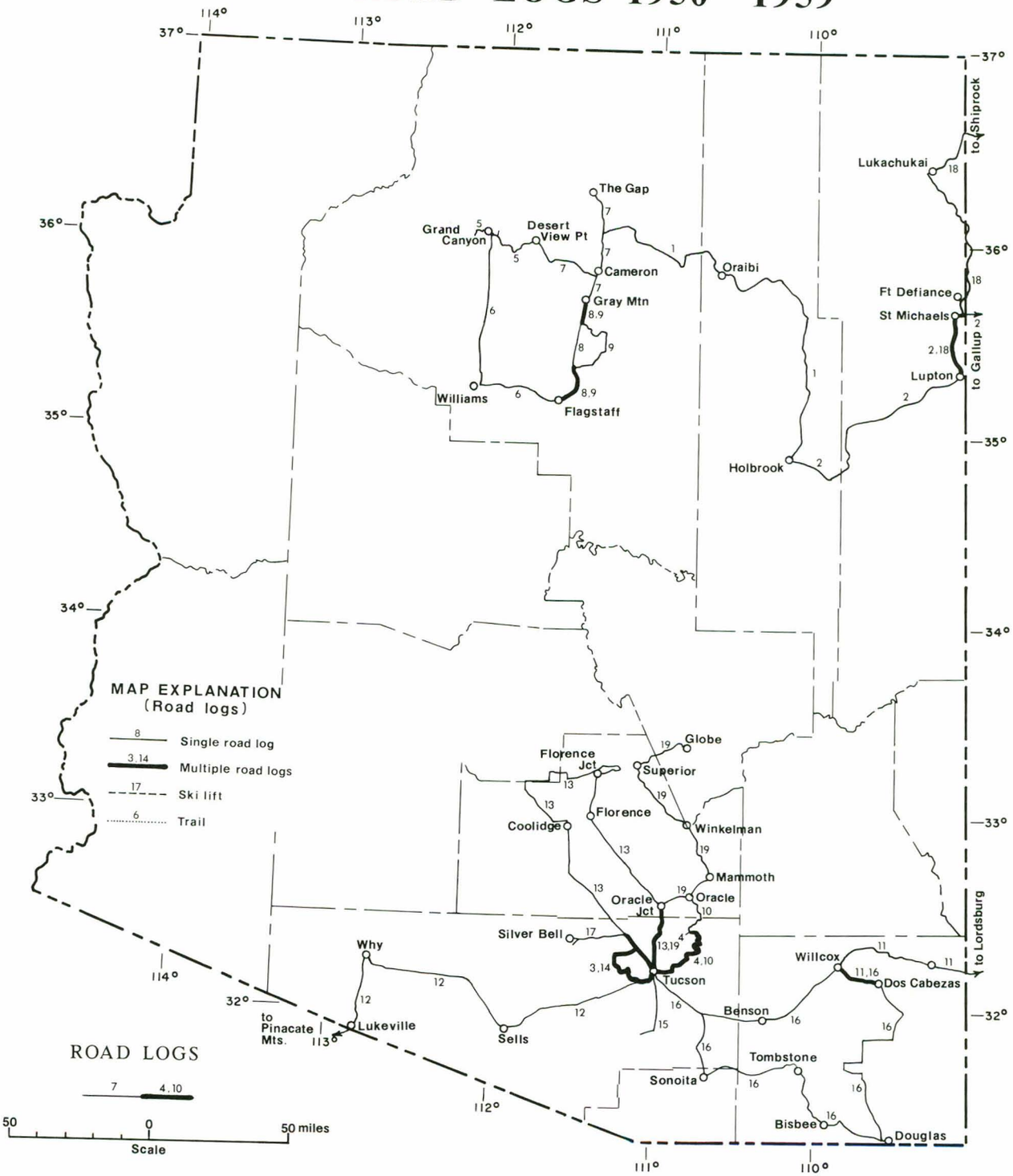
ROAD LOGS 1950 – 1959



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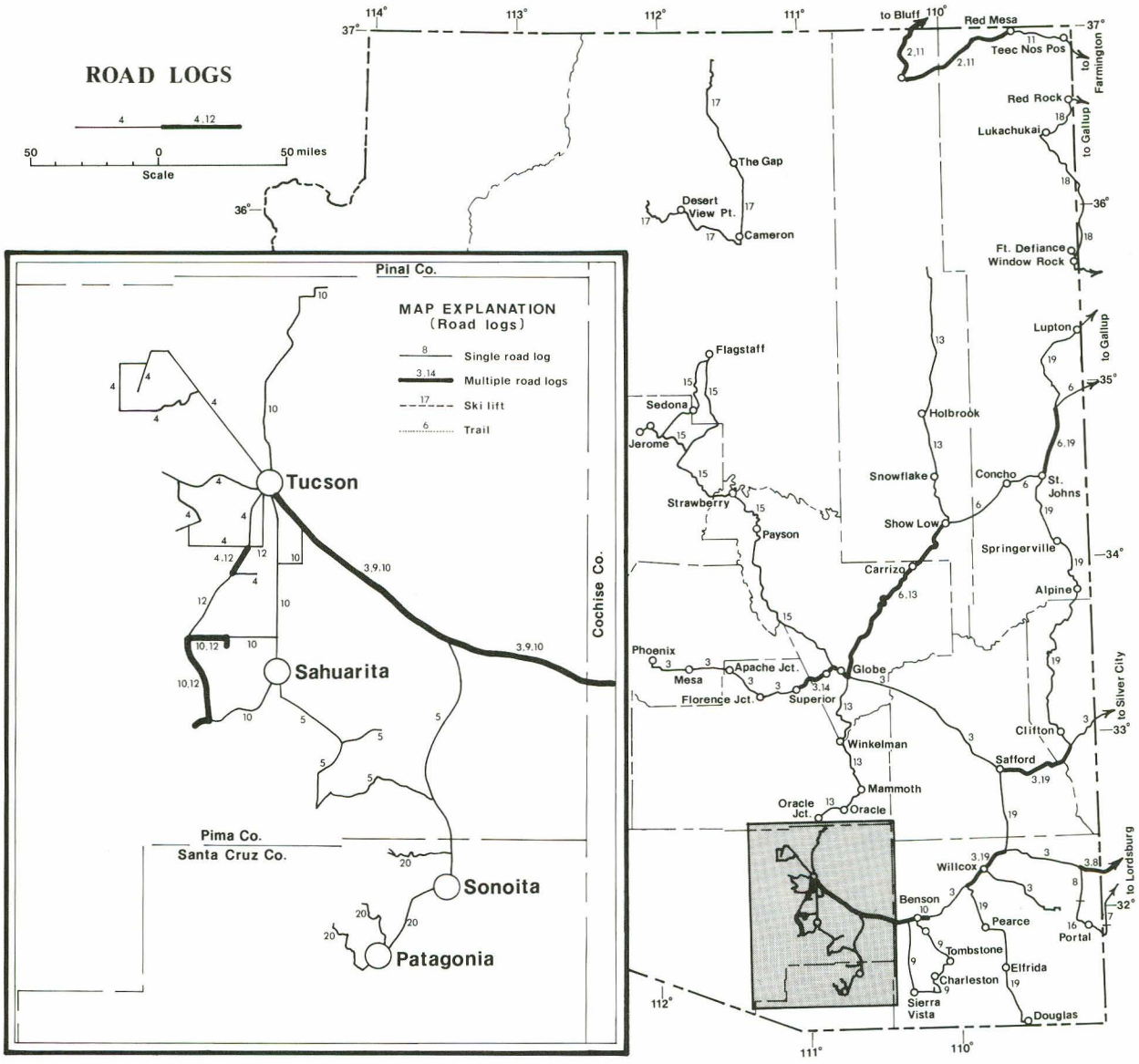

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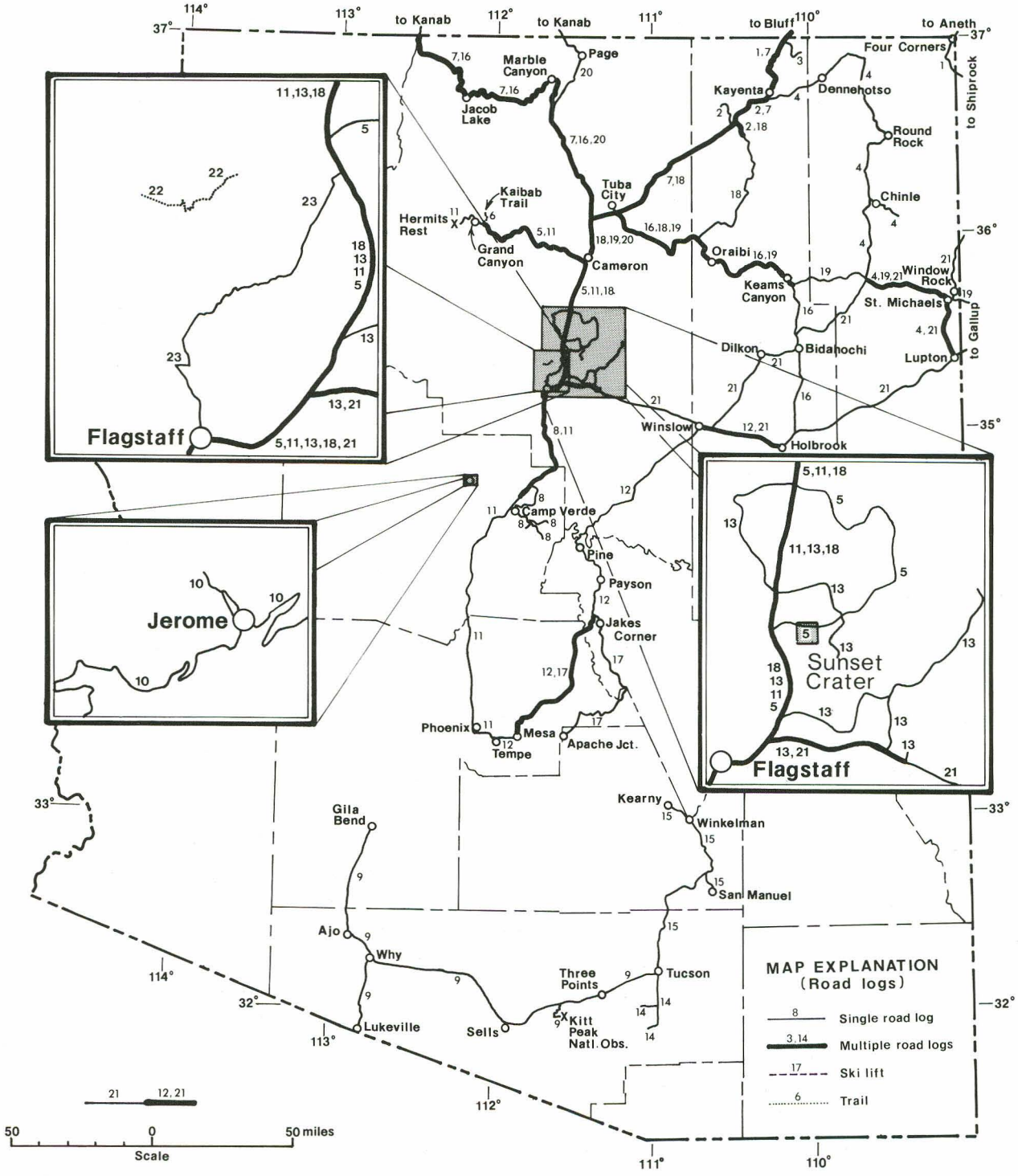
ROAD LOGS 1970 – 1974



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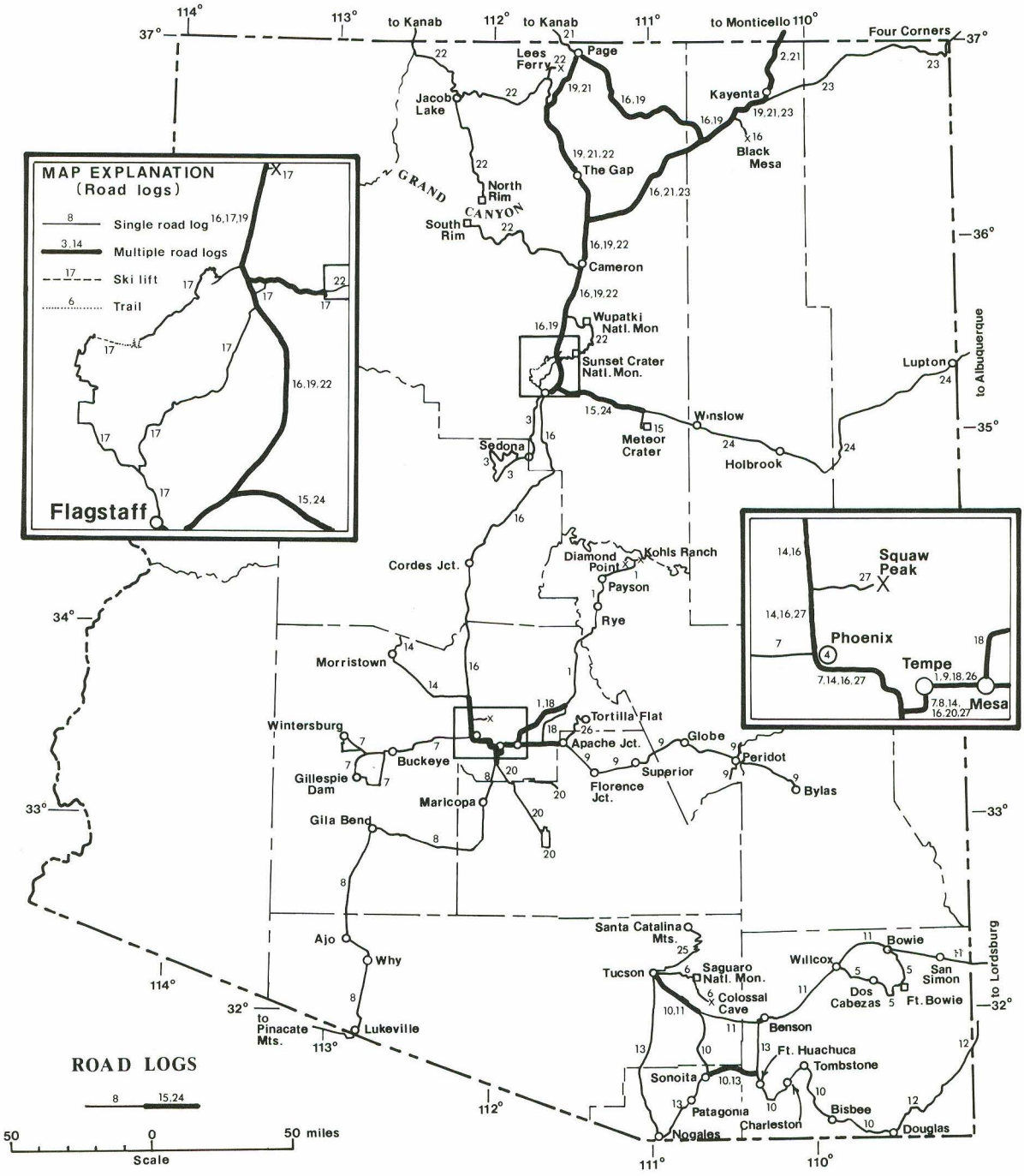
A pronounced fault (at mile 15.4) brings stratified Tertiary sediments into contact with Precambrian granite (see road log no. 17 on page 8). The down-dropped block on the left consists of sediments unconformably overlying granite. Quaternary channel deposits overlie the Tertiary strata. Photo by H. Wesley Peirce, 1971.

ROAD LOGS 1975 – 1979



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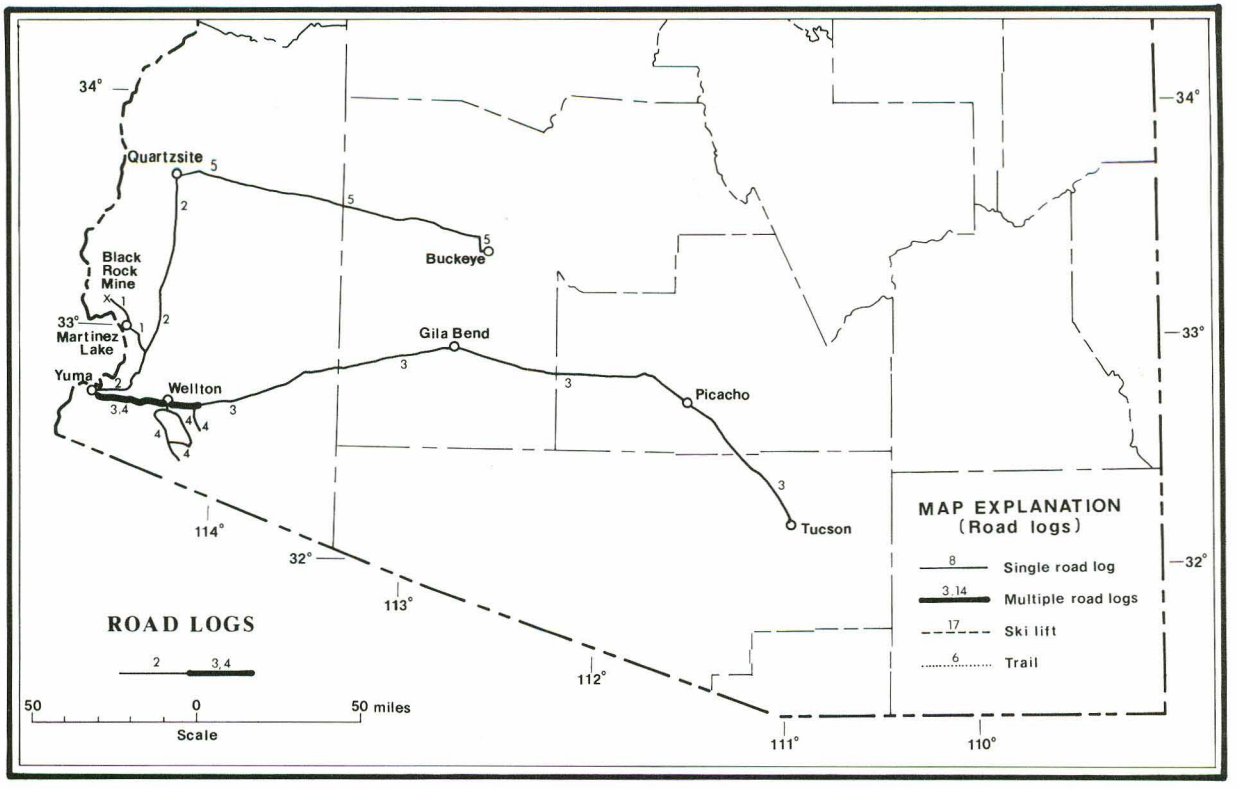
ROAD LOGS 1980



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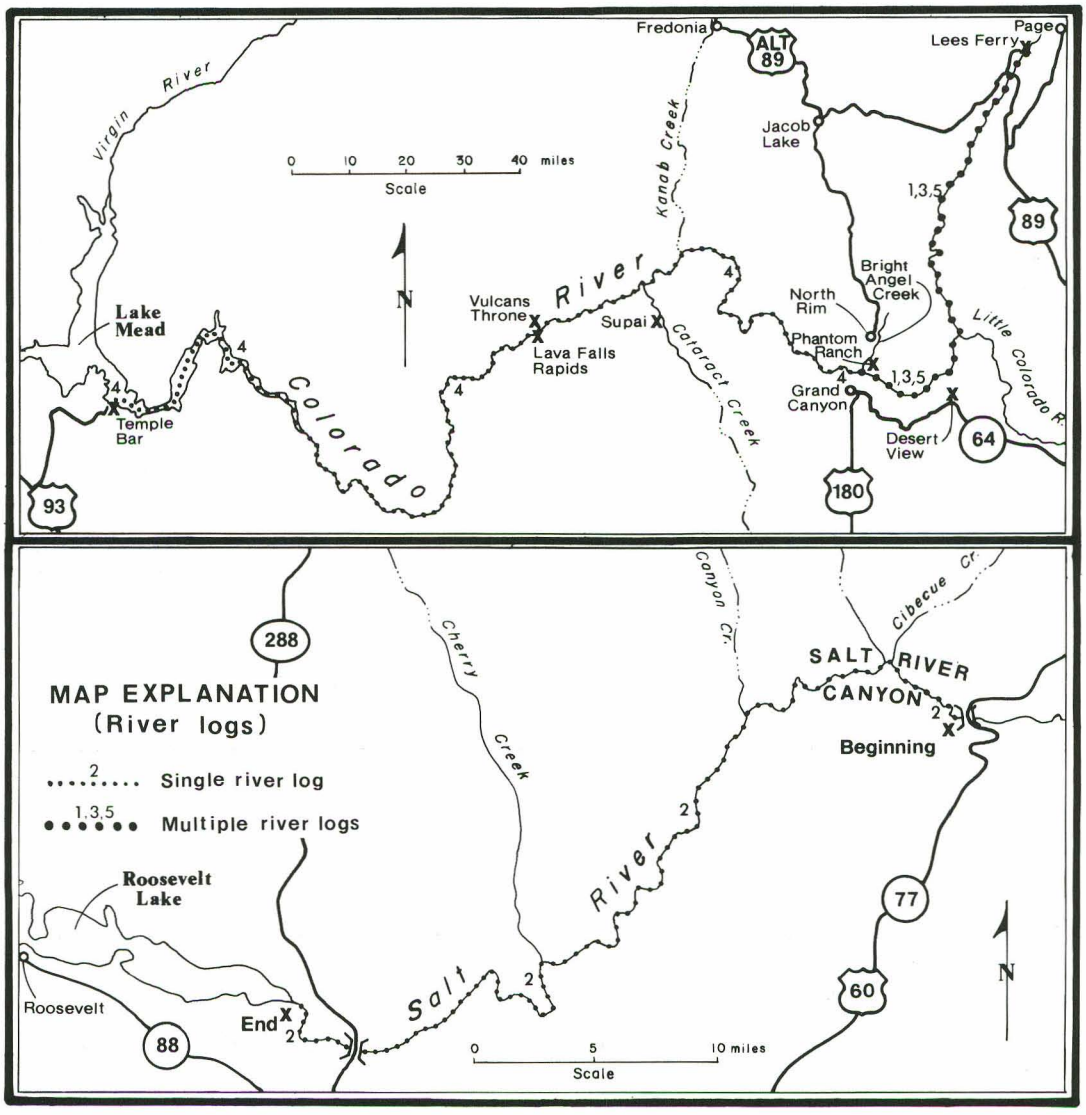
RIVER LOGS



RIVER LOGS 1968—1981

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STATE OF ARIZONA
BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

The Arizona Bureau of Geology and Mineral Technology was established in 1977 by an act of the State legislature. This act represents a reorganization of the Arizona Bureau of Mines which first was created in 1915 and placed under the authority of the Arizona Board of Regents. This authority has not changed. The Bureau continues its service in the fields of geology, metallurgy and mining in response to public inquiries, state agency requirements, and various research grants. In order to carry out these functions, two basic branches now are recognized:

The Geological Survey Branch is charged with the responsibility of acquiring, disseminating and applying basic geologic data that are designed to (a) enhance our understanding of Arizona's general geologic and mineralogic history and to assist in determining the short and long range influences these have on human activity, and (b) assist in developing an understanding of the controls influencing the locations of metallic, nonmetallic and mineral fuel resources in Arizona.

The Mineral Technology Branch conducts research and investigations into, and provides information about, the development of Arizona's mineral resources, including the mining,metallurgical processing and utilization of metallic and nonmetallic mineral deposits. These activities are directed toward the efficient and safe recovery of Arizona's mineral resources as well as insuring that recovery and treatment methods will be compatible with the basic environmental needs of the state.