

# Bibliography and Index of Geology and Hydrology, Front Range Urban Corridor, Colorado

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# Bibliography and Index of Geology and Hydrology, Front Range Urban Corridor, Colorado

By FELICIE CHRONIC and JOHN CHRONIC

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## PREFACE

This bibliography is intended for persons wishing geological information about the Front Range Urban Corridor. It was compiled at the University of Colorado, funded by the U.S. Geological Survey, and is based primarily on references in the Petroleum Research Microfilm Library of the Rocky Mountain Region. Extensive use was made also of U.S. Geological Survey and American Geological Institute bibliographies, as well as those of the Colorado Geological Survey.

Most of the material listed was published or completed before July 1, 1972; references to some later articles, as well as to a few which were not found in the first search, are appended at the end of the alphabetical listing. This bibliography may include more references than some users feel are warranted, but the authors felt that the greatest value to the user would result from a comprehensive rather than a selective listing. Hence, we decided to include the most significant synthesizing articles and books in order to give a broad picture of the geology of the Front Range Urban Corridor, and to include also some articles which deal with geology of areas adjacent to, and probably pertinent to, the corridor.

The index is based entirely on the titles, except where we knew of other data that made possible more detailed indexing. Many reports contain detailed information that is not obvious from their titles, but there is no practical way to index such information.

Availability of the material listed here may be highly variable. Most of the published material can be found at the Denver Public Library, the U.S. Geological Survey Library at the Denver Federal Center, the Colorado Geological Survey office in Denver, the University of Colorado Library, or the Colorado School of Mines Library. These are available at the school where they were written. Microfilm copies of many theses from out-of-State schools can be studied at the Colorado Geological Survey Library or the Earth Science Library of the University of Colorado.

We thank Wallace R. Hansen, of the U.S. Geological Survey, who suggested and encouraged the preparation of this bibliography. Sylvia McCracken and Diedrich Ward, of the Earth Science Library of the University of Colorado, were most cooperative in providing source materials for the project.

Readers are urged to call attention to errors and omissions, so that subsequent editions of this volume will be more useful and complete.

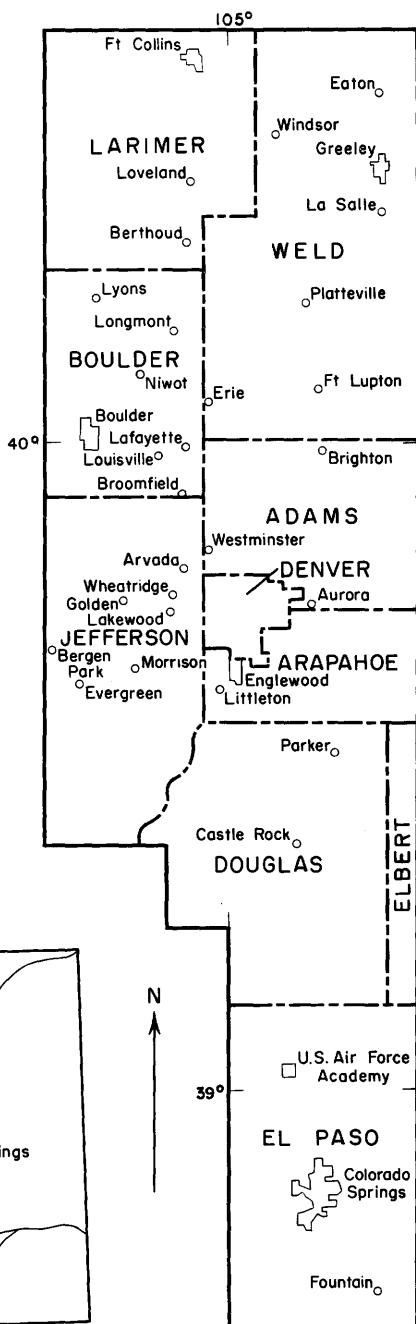
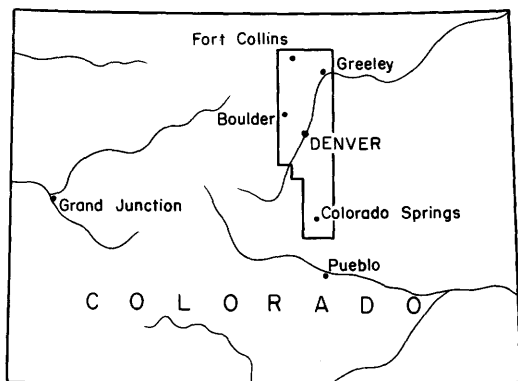
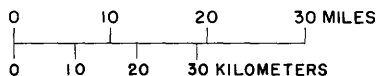
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# INDEX MAP OF THE FRONT RANGE URBAN CORRIDOR

SHOWING COUNTY LINES  
AND PRINCIPAL  
CITIES AND TOWNS



# **BIBLIOGRAPHY AND INDEX OF GEOLOGY AND HYDROLOGY, FRONT RANGE URBAN CORRIDOR, COLORADO**

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By FELICIE CHRONIC and JOHN CHRONIC

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## **INTRODUCTION**

The Front Range Urban Corridor is one of the fastest growing areas in the Nation. With Denver, Colo. as its geographic, commercial, cultural, and population nucleus, the urban corridor covers about 4,500 square miles and extends north to south about 140 miles along the Front Range of the Rocky Mountains in a belt about 40 miles across. (See map on facing page.) Subordinate nuclei are Fort Collins, Greeley, Boulder, Colorado Springs, and other centers of growth east of the mountains. Thus delineated, the corridor encompasses most of the foreseeable urbanization on the east side of the Front Range.

Broad open spaces still exist within this area. In fact, most of the area is rural; but urbanization is accelerating at the fringes of all major communities, and in many places whole new satellite towns are springing up within commuter distance of the larger centers. Urbanization is spreading relentlessly across the piedmont and into the mountains, giving rise to a host of environmental problems. Under the circumstances, growth pains to the community are not surprising, and they will intensify. Many growth pains, moreover, have a geologic basis and can be dealt with successfully only after a careful geologic evaluation.

The following bibliography contains more than 1,800 listings from published reports, college theses, and open-file releases. The index contains more than 1,400 entries. Note that index entries are cited only by number, to speed use and save space. Each number in the index refers back to the bibliography, where the entries are in alphabetical and numerical order.

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