

U. S. Geological Survey
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**REPORTS AND MAPS OF
THE GEOLOGICAL SURVEY RELEASED
ONLY IN THE OPEN FILES, 1960**

**GEOLOGICAL SURVEY
CIRCULAR 448**

UNITED STATES DEPARTMENT OF THE INTERIOR

Stewart L. Udall, *Secretary*

GEOLOGICAL SURVEY

Thomas B. Nolan, *Director*

GEOLOGICAL SURVEY CIRCULAR 448

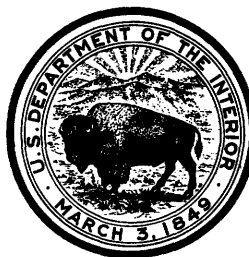
REPORTS AND MAPS OF THE GEOLOGICAL SURVEY
RELEASED ONLY IN THE OPEN FILES, 1960

By Betsy A. Weld, Erwin S. Asselstine, and Arthur Johnson

Washington, D. C., 1961

Free on application to the Geological Survey, Washington 25, D. C.

United States Department of the Interior
STEWART L. UDALL, SECRETARY



Geological Survey
THOMAS B. NOLAN, DIRECTOR



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INTRODUCTION

This circular contains a list of the maps and reports released by the Geological Survey in 1960 that are available in open files. They may be consulted at the offices listed beneath each report.

The following circulars list open-file reports and maps released during the years indicated: 56 (1946-47), 64 (1948), 149 (1949-50), 227 (1951), 263 (1952), 337 (1953), 364 (1954), 379 (1955), 401 (1956), 403 (1957), 412 (1958), and 428 (1959).

The Conservation Division has placed in open file 2 reports on glacier observations, 1 in Montana and 1 in Washington; 1 report on waterpower resources in Oregon; 1 report on geology of damsites in Montana; 1 report on stratigraphy in Utah and Colorado; 1 report listing basement wells in California and Nevada; 1 map on petrography and petrology in Montana; and 2 geologic structure maps of an area in Colorado and Utah.

The reports and maps of the Geologic Division contain results of work accomplished by Survey geologists

and geophysicists in 21 States, Brazil, and the Lesser Antilles. These maps and reports are released in preliminary form in order to make information immediately available to persons concerned with exploration for and production of minerals, fuels, and construction materials.

The reports of the Water Resources Division contain information on streamflow, ground water, quality of water, and related geology and hydrology in the United States.

The reports are arranged alphabetically by authors, and each one is preceded by a serial number. In the general index following this list of reports, the serial number is used to identify the report.

The following addresses cited in this circular are Geological Survey libraries: Room 1033, GSA Bldg. (General Services Administration Bldg.), Washington, D. C.; Federal Center, Denver, Colo.; and 345 Middlefield Rd., Menlo Park, Calif.

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