

GEOLOGIC MAPS

Geologic maps are part of the Map Collection in the Government Documents Department of the University Libraries, Level 4. Most geologic maps within the Map Collection are produced by the U.S. Geological Survey and are described in **USGS Maps** US DOC office [I 19.14/2:M 32/11/995].

Geologic Map Series: Thematic Maps and Charts

Geologic maps show the composition and structure of earth materials and their distribution across and beneath the Earth's surface, using a combination of lines and symbols. Geologic maps are useful to locate natural resources, facilitate land-use planning and identify natural hazards. The maps published by the U.S. Geological Survey are identified and organized by thematic map and chart series, with map codes as specified:

- **Coal Investigations (C).** MAP COLL–FILE CAB [I 19.85: C-#]. Geologic maps that show bedrock geology, stratigraphy, and structural relations of selected coal resource areas of the U.S. (Discontinued)
- **Circum-Pacific Map Series (CP).** MAP COLL–FILE CAB [I 19.91/2: CP-#]. Maps of quadrants of the Pacific, Arctic and Antarctic regions and of the whole Pacific Basin, covering a variety of geographic and geologic topics.
- **Geophysical Investigations (GP).** MAP COLL–FILE CAB [I 19.87: GP-#]. Maps showing results of geophysical surveys which reflect subsurface structures of economic or geologic importance. (Discontinued)
- **Geological Quadrangle Maps (GQ).** MAP COLL–FILE CAB [I 19.88: GQ-#]. Maps of selected 7.5- of 15-minute quadrangles that show the bedrock, surficial, or engineering geology; continuation of the earlier **Folios of the Geologic Atlas of the United States** (1894 to 1945) [SPEC COLL-OV QE75.G4]. (Discontinued)
- **Hydrologic Investigations Atlases (HA).** MAP COLL–FILE CAB [I 19.89: HA-#]. Maps that show a wide range of water-resources information, such as depth to ground water, floods, and chemical content of water; includes special series **Ground Water Atlas of the United States** [I 19.89: HA-730 A-].
- **Hydrologic Unit Maps.** MAP COLL–FILE CAB [I 19.89/2: (state)]. Maps that delineate units which are basically hydrographic in nature and which are used by the U.S.G.S. in cataloging water data.
- **Miscellaneous Investigations (I).** MAP COLL–FILE CAB [I 19.91: I-#]. Maps covering diverse topics such as bedrock and surficial geology, marine geology, geochemistry, landforms, and map projections; includes maps of the moon and other planetary bodies.

- **Land Use and Land Cover (L).** MAP COLL-FILE CAB [I 19.112: L-#]. Maps displaying land use and land cover information printed over base map information such as transportation features, lakes, streams and place names.
- **Miscellaneous Field Studies Maps (MF).** MAP COLL-FILE CAB [I 19.113: MF-#]. Maps covering most aspects of the U.S.G.S. investigations and research, including environmental studies. Earlier known as **Mineral Investigations Field Studies** series; pre-1971 maps show mining or mineral deposit studies.
- **Mineral Investigations Resource Maps (MR).** MAP COLL-FILE CAB [I 19.90: MR-#]. Maps showing geographic distributions and grade of mineral resources on a regional basis. (Discontinued)
- **Oil and Gas Investigations Maps (OC).** MAP COLL-FILE CAB [I 19.92: OC-#]. Charts showing stratigraphic information for certain oil and gas fields and other areas having hydrocarbon potential. (Discontinued)
- **Oil and Gas Investigations Maps (OM).** MAP COLL-FILE CAB [I 19.93: OM-#]. Maps showing stratigraphic information for certain oil and gas fields and other areas having hydrocarbon potential. (Discontinued)

How to Identify Maps

The geologic maps can be identified through electronic or print indexes:

- **InfoLinks:** Contains records for each individual map; coverage 1984-. Search for the map record by **Subject Headings** (e.g., sediments (geology) -- [state] – maps) or by **Keywords** (e.g. quaternary geolog* map* Missouri). To identify the call number, use the *SuDoc* call number found in the **Govt. doc #** field.
- **GeoRef, GPO, WorldCat (FirstSearch):** Electronic databases that contain records for individual maps; coverage 1984-. Search for map records by keywords (e.g., Ozark hydrogeology map+) and use the browse index to identify descriptor terms for a more definitive search. In the record, look at the bottom for **Standard No: Report No:** (e.g. HA-0711-F). In this user guide or on the sign in the Map Collection, check the *SuDoc* call number for the given map code.
- **National Geologic Map Database (<http://ngmdb.usgs.gov>):** Online index to geologic maps and index in print: **Geologic Map Index of [state]**. Department of the Interior, U.S. Geological Survey. MAP COLL -FILE CAB [I 19.86: state].
- **Guide to USGS Publications.** Documents Index, c1996- GOVREF [Z6026 .G3 G84 QE77 1998]. Comprehensive index; by area, subject, coordinate, and author.

How to Find Maps in the Map Collection

Geologic maps are stored in the file cabinets (**MAP COLL-FILE CAB**), arranged in call number order (*SuDoc*) for the map series, and by map number within the individual series. Maps that accompany journal, books, reports or theses and are stored flat will be found in **MAIN-MAP CASES**. Such items are stamped “The accompanying maps are stored in the Map Cases”, and some will have a similar note in their InfoLinks record. The map will also be stamped “The accompanying text is stored in the stacks, under the same call number”.