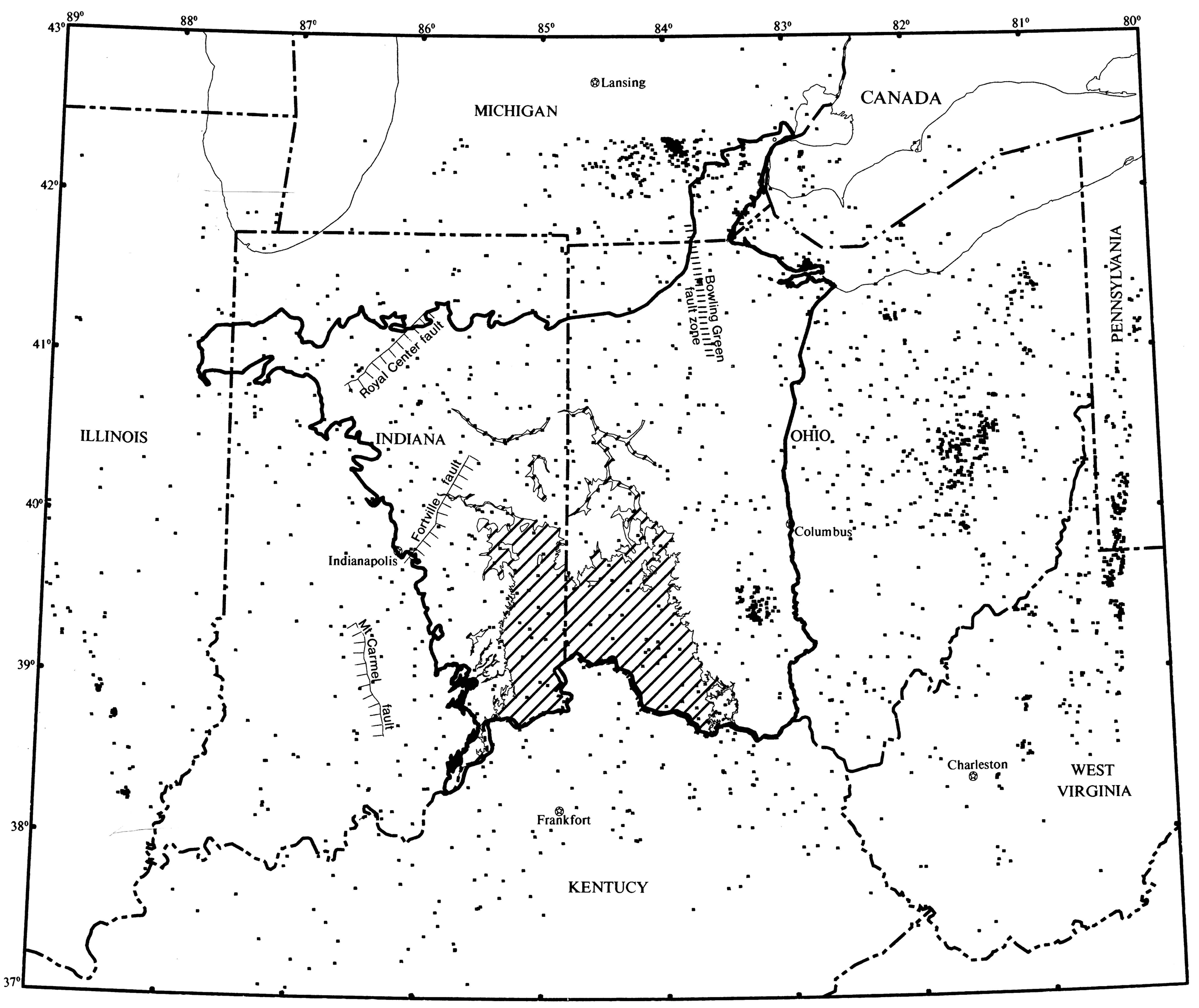
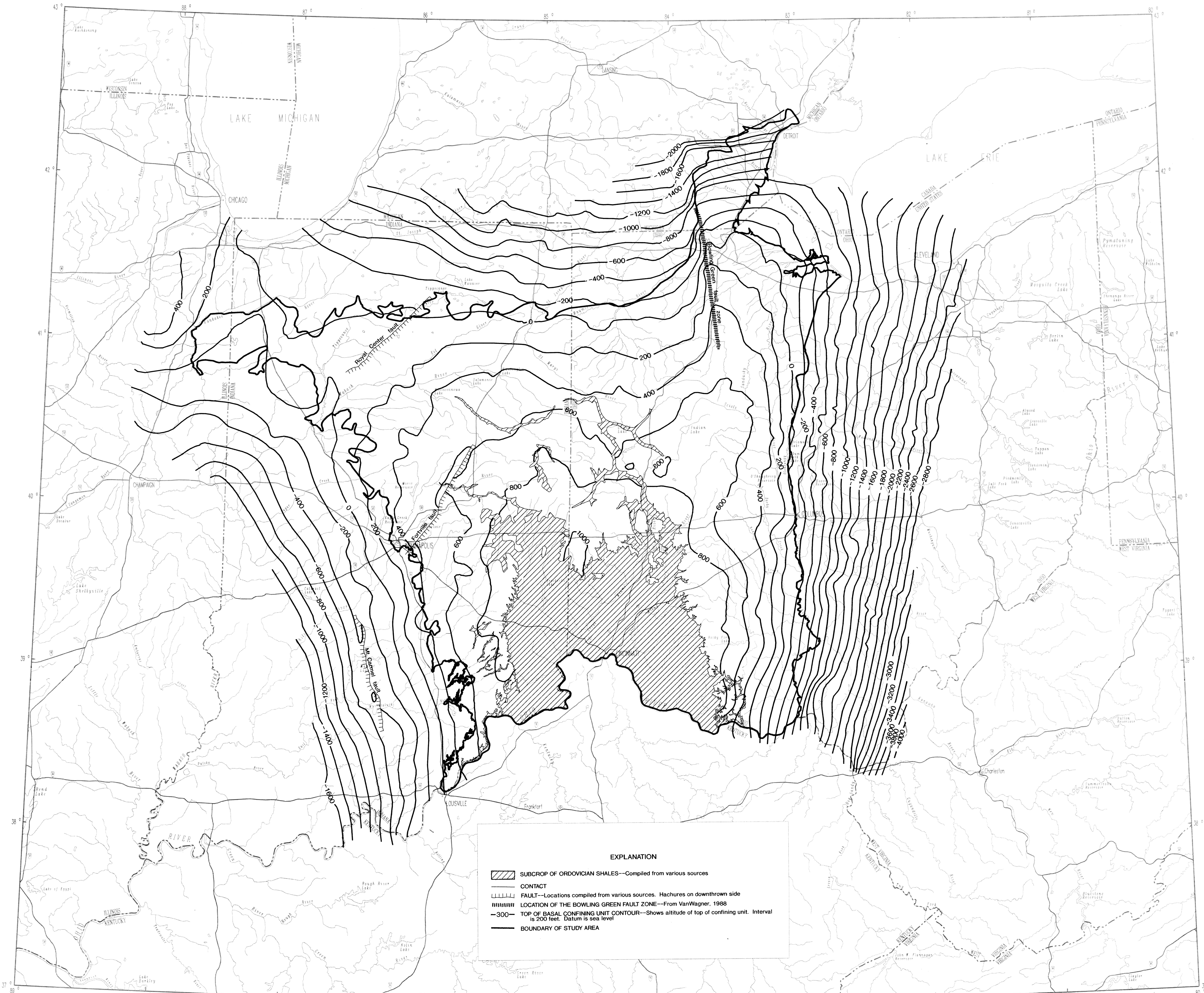


EXPLANATION

SUBCROP OF ORDOVICIAN SHALES--Compiled from various sources
CONTACT
FAULT--Locations compiled from various sources. Hachures on downthrown side
LOCATION OF THE BOWLING GREEN FAULT ZONE--From VanWagner, 1988
BOUNDARY OF STUDY AREA
WELL USED TO DETERMINE THE ALTITUDE OF THE BASAL CONFINING UNIT

0 50 100 150 200 MILES
0 50 100 150 200 KILOMETERS

Figure 5.--Location of oil, gas, and test holes used to compile altitude data for the top of the basal confining unit.



EXPLANATION

SUBCROP OF ORDOVICIAN SHALES--Compiled from various sources
CONTACT
FAULT--Locations compiled from various sources. Hachures on downthrown side
LOCATION OF THE BOWLING GREEN FAULT ZONE--From VanWagner, 1988
—300— TOP OF BASAL CONFINING UNIT CONTOUR--Shows altitude of top of confining unit. Interval is 200 feet. Datum is sea level
BOUNDARY OF STUDY AREA

50 0 50 100 150 200 MILES
50 0 50 100 150 200 KILOMETERS

Figure 6.--Altitude and configuration of the top of the basal confining unit.

Geology compiled from Bownocker, 1920; Burger, and others, 1971; Gray, 1972b; Gray and others, 1972; Gary and others, 1979; Gray, and others, 1987; Adult and Keller, 1987
Data on location and extent of faults compiled from Bassett and Hasenmueller, 1980; VanWagner, 1988

Base from U.S. Geological Survey digital data, 1:2,000,000, 1972
Map scale 1:1,000,000
Map projection Albers Equal-Area Conic projection
First Standard Parallel 37° 50', Second Standard Parallel 41°10'
Central Meridan 84°

HYDROGEOLOGY OF THE BASAL CONFINING UNIT OF THE CARBONATE AQUIFER SYSTEM IN THE MIDWESTERN BASINS AND ARCHES REGION OF INDIANA, OHIO, MICHIGAN, AND ILLINOIS

By George D. Casey
1992

For sale by U.S. Geological Survey, Books and Open-File Reports Section
Box 25425, Federal Center, Denver, CO 80225