STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
Thomas J. Serenko, Chief

STRUCTURE CONTOUR MAP ON THE PRECAMBRIAN UNCONFORMITY SURFACE IN OHIO AND RELATED BASEMENT FEATURES

by
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GIS Cartography by Dean R. Martin

MAP PG-23
VERSION 2.0
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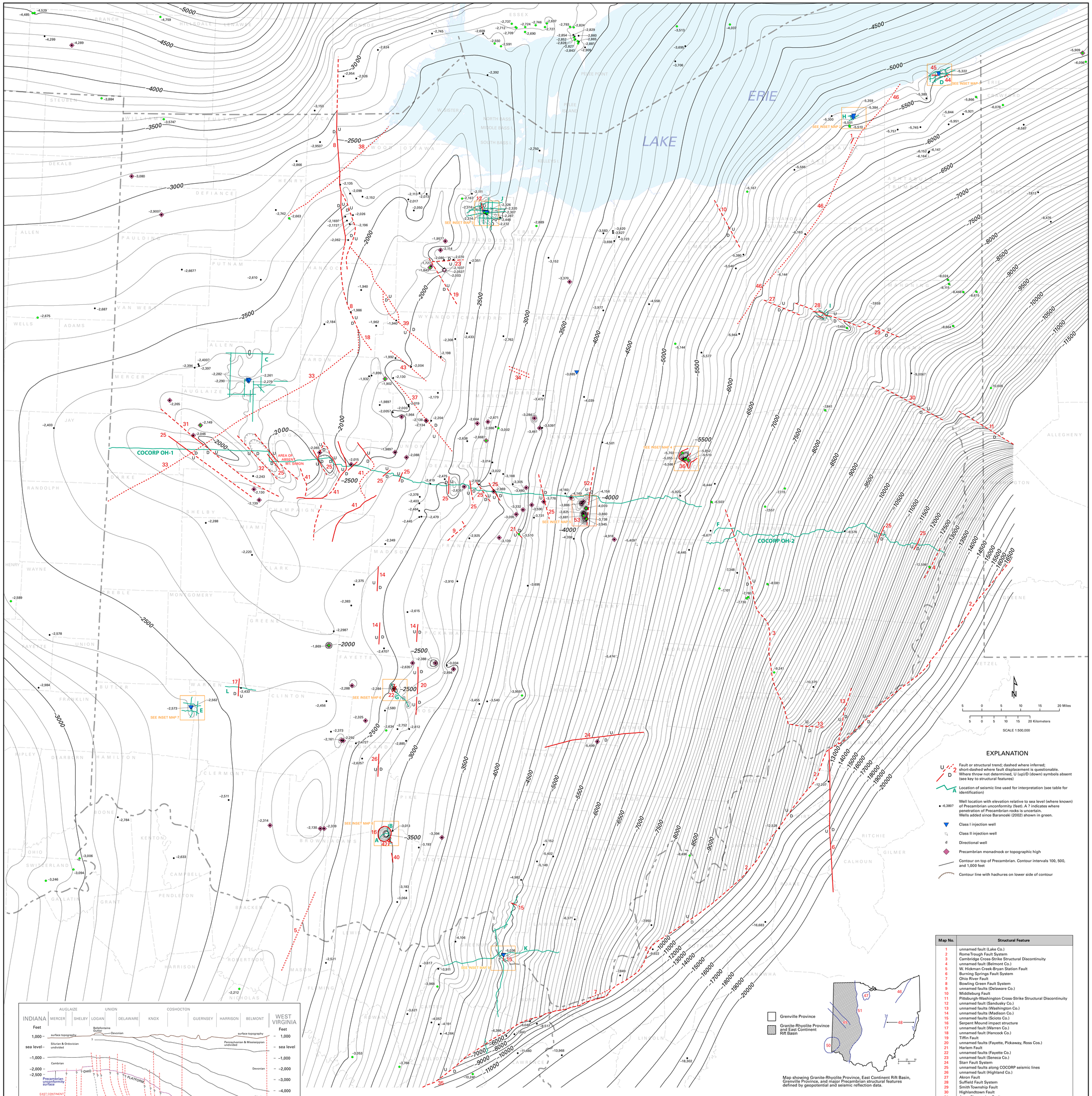
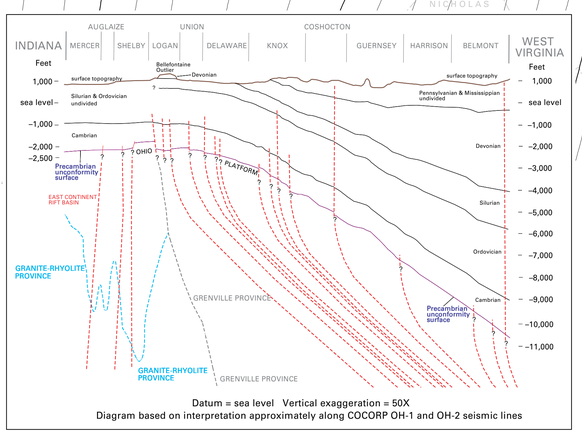


EXPLANATION

- Fault or structural trend; dashed where inferred; short-dashed where fault displacement is questionable. Where throw not determined, U (up)/D (down) symbols absent (see key to structural features)
- Location of seismic line used for interpretation (see table for identification)
- Well location with elevation relative to sea level (where known) of Precambrian unconformity (feet). A ? indicates where penetration of Precambrian rocks is uncertain. Wells added since Baranoski (2002) shown in green.
- Class I injection well
- Class II injection well
- d Directional well
- Precambrian monadnock or topographic high
- Contour on top of Precambrian. Contour intervals 100, 500, and 1,000 feet
- Contour line with hachures on lower side of contour



Datum = sea level Vertical exaggeration = 50X
Diagram based on interpretation approximately along COCORP OH-1 and OH-2 seismic lines

Map showing Granite-Rhyolite Province, East Continent Rift Basin, Grenville Province, and major Precambrian structural features defined by geopotential and seismic reflection data.

Map No.	Structural Feature
1	unnamed fault (Lake Co.)
2	RomeTrough Fault System
3	Cambridge Cross-Strike Structural Discontinuity
4	unnamed fault (Belmont Co.)
5	W. Hickman Creek-Bryan Station Fault
6	Burning Springs Fault System
7	Ohio River Fault
8	Bowling Green Fault System
9	unnamed faults (Delaware Co.)
10	Middleburg Fault
11	Pittsburgh-Washington Cross-Strike Structural Discontinuity
12	unnamed fault (Sandusky Co.)
13	unnamed faults (Washington Co.)
14	unnamed faults (Madison Co.)
15	unnamed faults (Scioto Co.)
16	Serpent Mound impact structure
17	unnamed fault (Warren Co.)
18	unnamed fault (Hancock Co.)
19	Tiffin Fault
20	unnamed faults (Fayette, Pickaway, Ross Cos.)
21	Harlem Fault
22	unnamed faults (Fayette Co.)
23	unnamed fault (Seneca Co.)
24	Starr Fault System
25	unnamed faults along COCORP seismic lines
26	unnamed fault (Highland Co.)
27	Akron Fault
28	Suffield Fault System
29	Smith Township Fault
30	Highlandtown Fault
31	Anna-Champaign Fault
32	Logan Fault
33	Auglaize Fault
34	Crawford Faults
35	Kentucky River Fault System
36	Killbuck Dome
37	Marion Fault
38	Maumee Fault
39	Outlet Fault
40	Plum Run Quarry Fault
41	Bellefontaine Outlier Faults
42	unnamed faults (Adams Co.)
43	unnamed fault (Wyandot Co.)
44	unnamed fault (Ashtabula Co.)
45	unnamed fault (Ashtabula Co.)
46	Akron Magnetic Boundary
47	Seneca Anomaly
48	Coshocton Zone
49	Fort Wayne Rift
50	Southwestern Ohio Anomaly
51	Grenville Front Tectonic Zone
52	Utica Mountain Fault
53	Utica Mountain Structure

SEISMIC REFLECTION PROFILES

Map reference	Availability[1]	Company	Number of lines	Total miles
COCORP OH-1	PD/R	Consortium for Continental Reflection Profiling	1	172.0
COCORP OH-2	PD/R	Consortium for Continental Reflection Profiling	1	81.0
A	PD	ODNR Division of Geological Survey	1	3.6
B	PD	Columbia Natural Resources	1	5.2
C	PD	BP Chemical (formerly Vistron Corp.)	11	72.0
D	PD	Reserve Environmental Services	7	25.8
E	PD	AK Steel Corp. (formerly Armco Steel Corp.)	4	15.0
F	R	NGO Development Corp.	1	6.5
G	PD/R	CGAS Exploration, Inc.	1	7.5
H	PD	Tomen Agro, Inc. (formerly Calhio Chemicals)	3	5.3
I	R	Excalibur Exploration	4	11.3
J	PD	Waste Management of Ohio (formerly Vickery Environmental)	8	62.0
K	PD	Aristech Chemical Corp. (formerly U.S. Steel)	7	80.7
L	PD	ODNR Division of Geological Survey	1	7.8

[1]PD = public domain; R = restricted.

Projection of map data is NAD83 UTM zone 17N.

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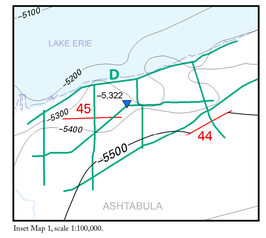
Inset Map 1, scale 1:100,000.



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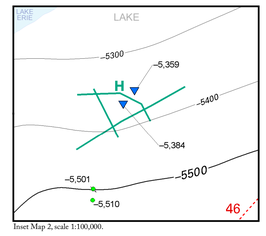

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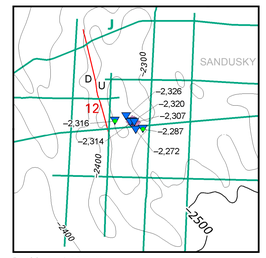

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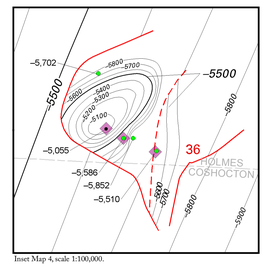

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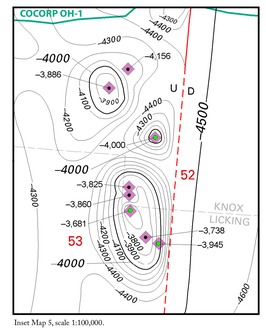

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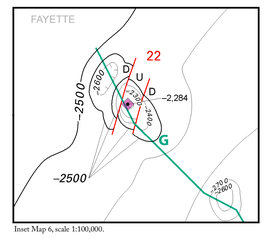

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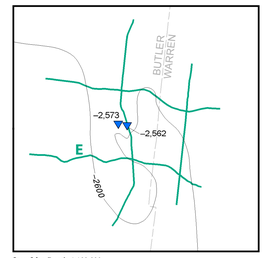

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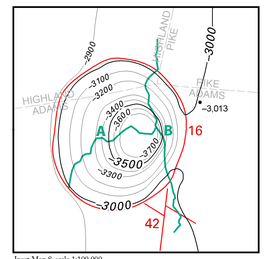

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