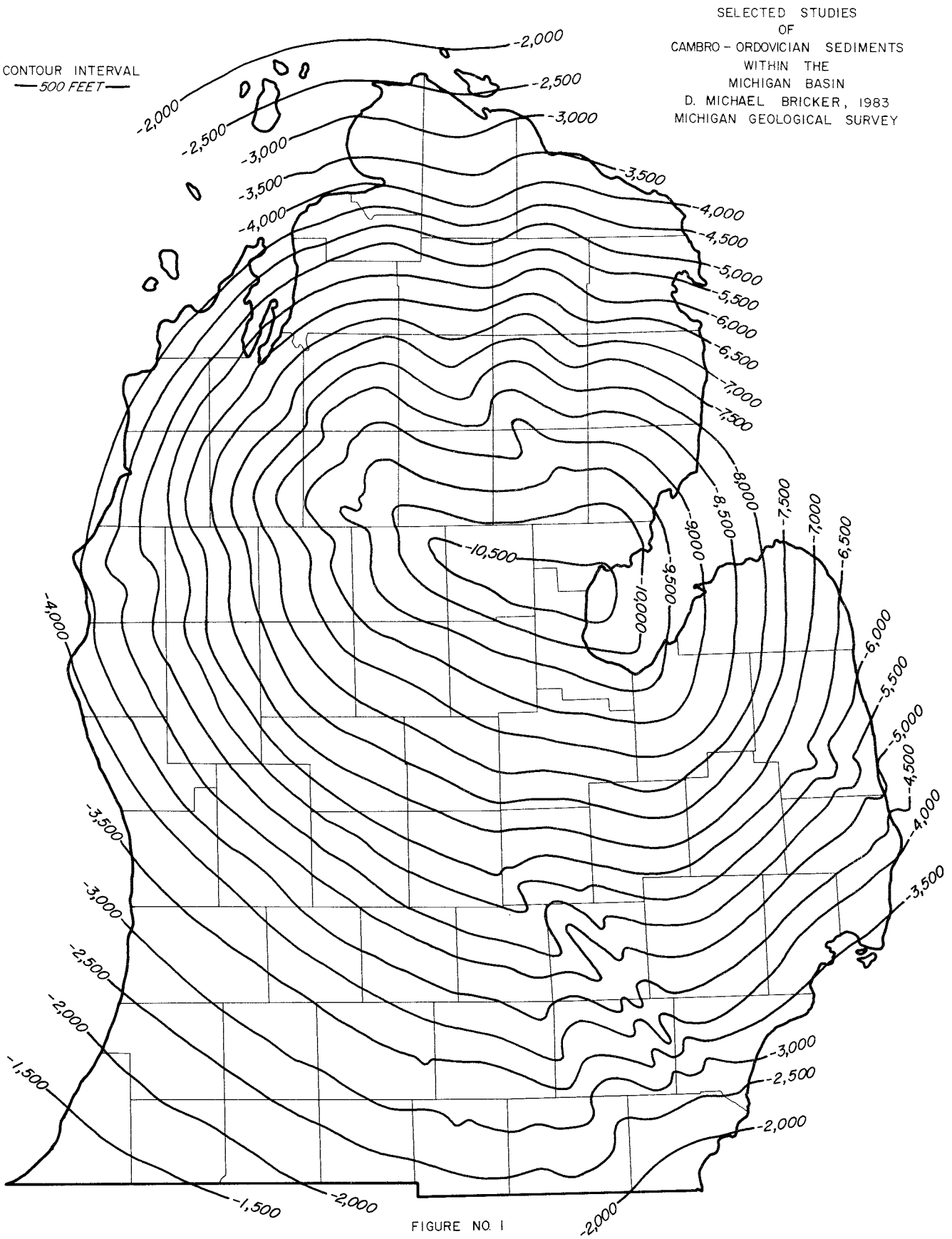


FIGURE NO. 1

GLENWOOD STRUCTURE CONTOUR MAP

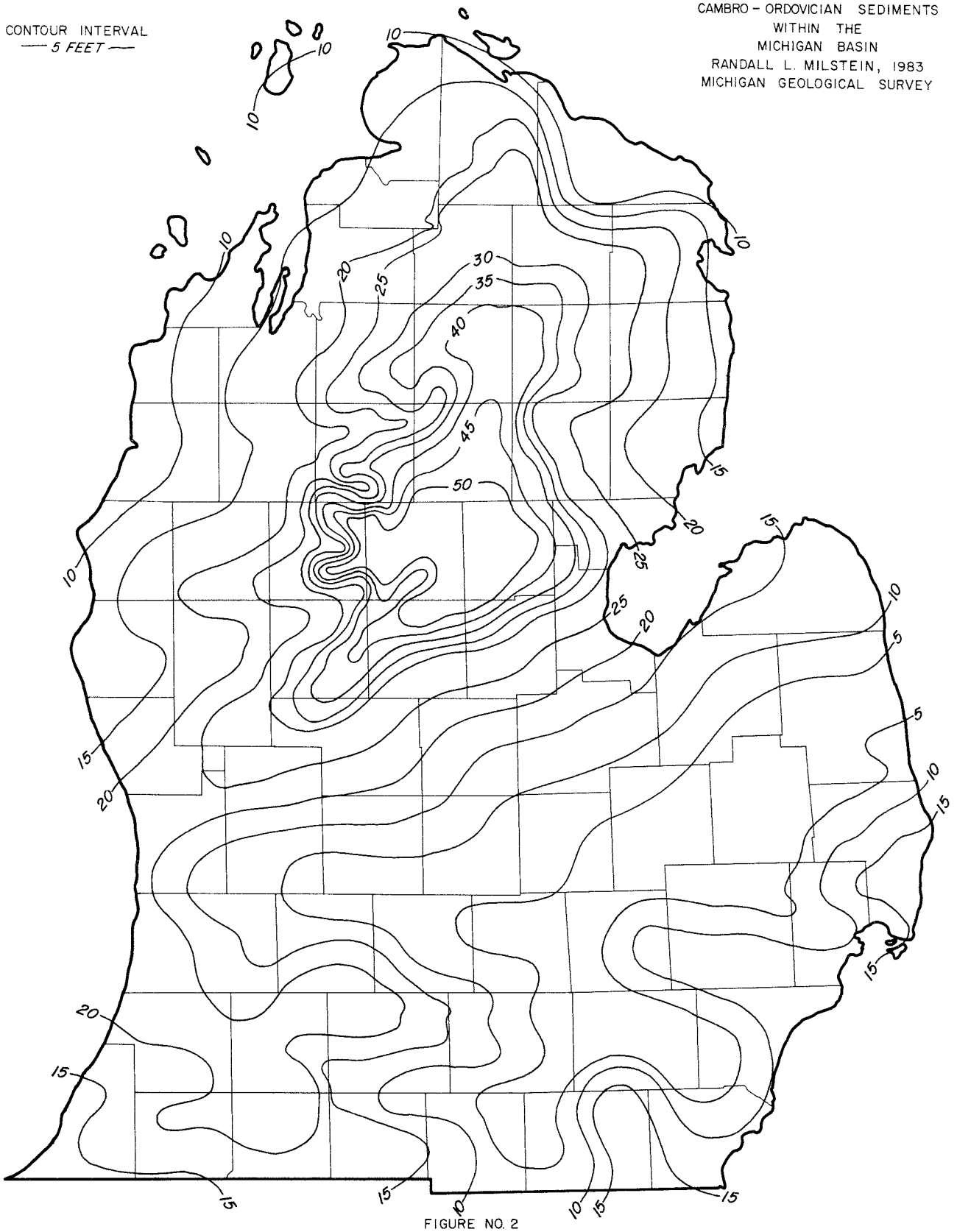


FIGURE NO. 2

GLENWOOD ISOPACH MAP

FIGURE NO. 3

ST. PETER SANDSTONE STRUCTURE CONTOUR MAP

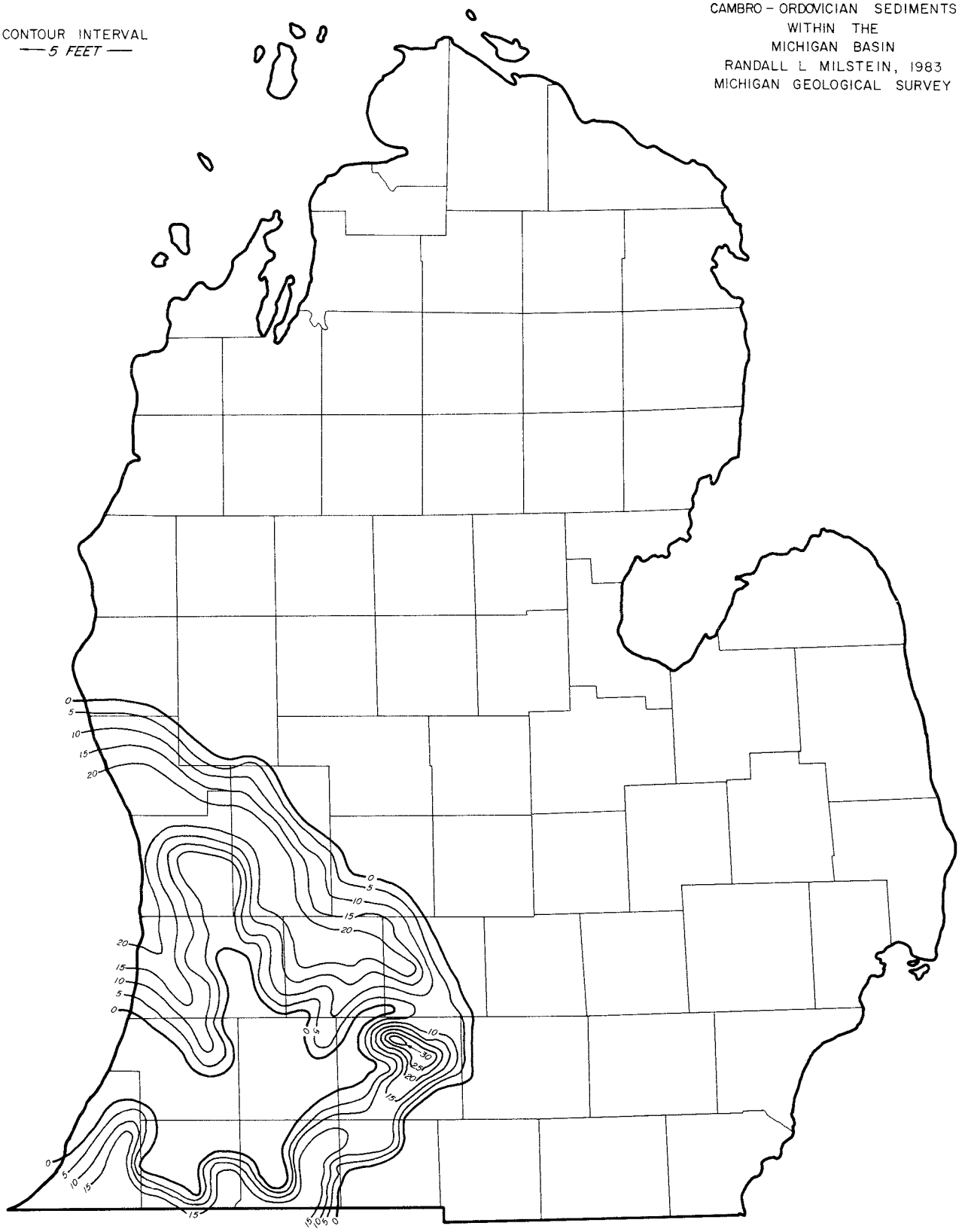


FIGURE NO. 4

ST. PETER SANDSTONE ISOPACH MAP

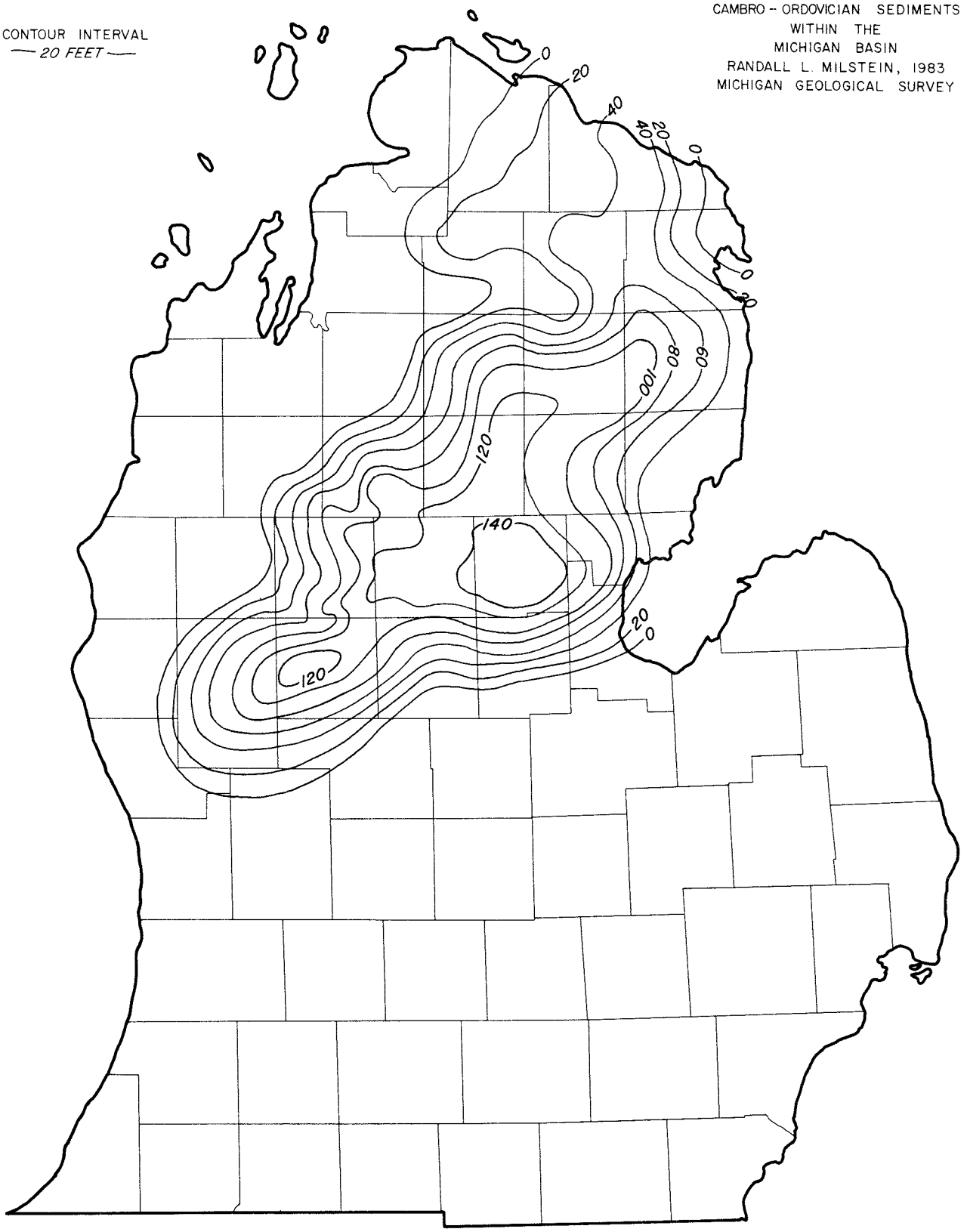


FIGURE NO. 4a

ZONE OF UNCONFORMITY ISOPACH MAP

SELECTED STUDIES
OF
CAMBRO - ORDOVICIAN SEDIMENTS
WITHIN THE
MICHIGAN BASIN
RANDALL L. MILSTEIN, 1983
MICHIGAN GEOLOGICAL SURVEY

CONTOUR INTERVAL
—500 FEET—

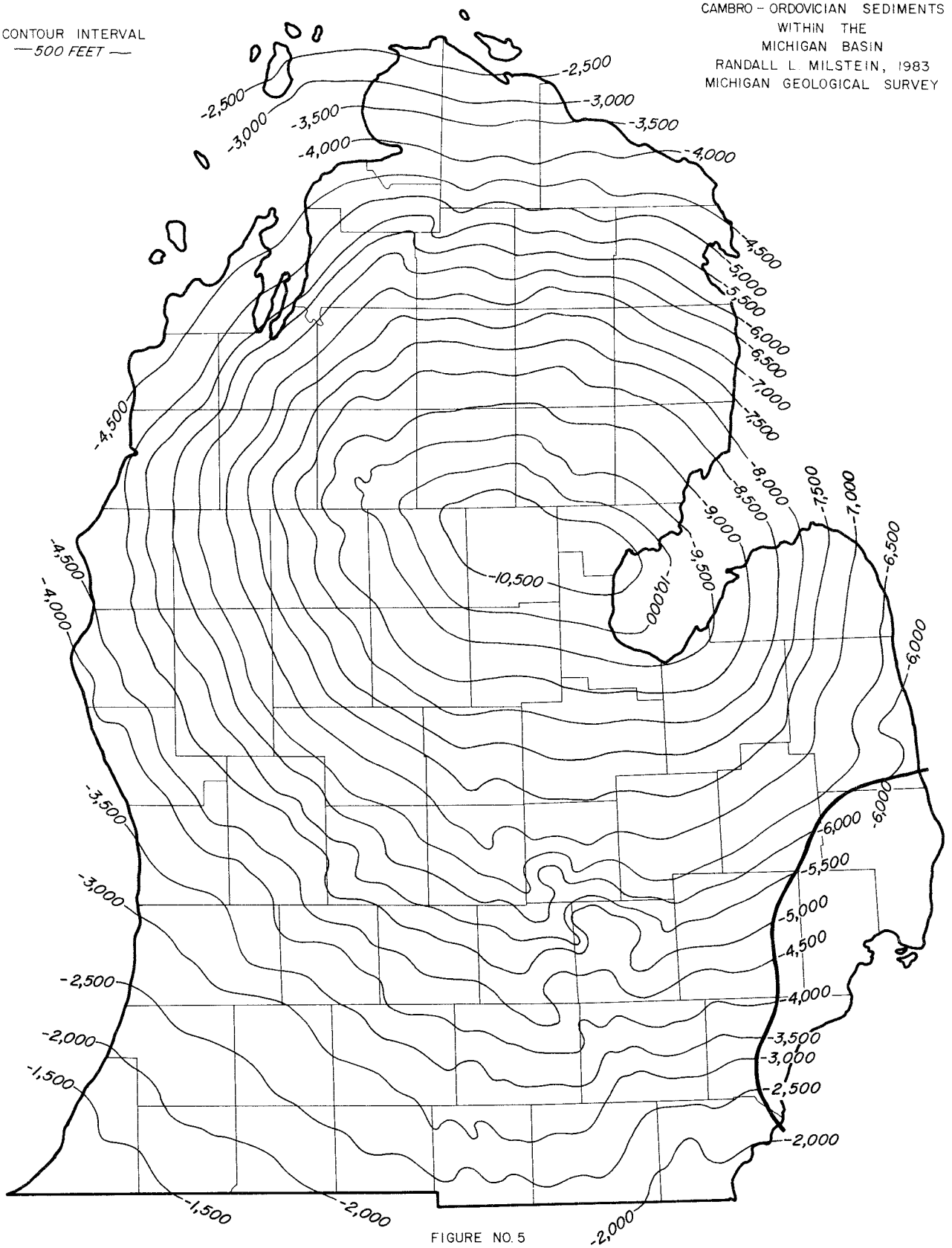


FIGURE NO. 5

PRAIRIE du CHIEN STRUCTURE CONTOUR MAP

SELECTED STUDIES
OF
CAMBRO - ORDOVICIAN SEDIMENTS
WITHIN THE
MICHIGAN BASIN
RANDALL L. MILSTEIN, 1983
MICHIGAN GEOLOGICAL SURVEY

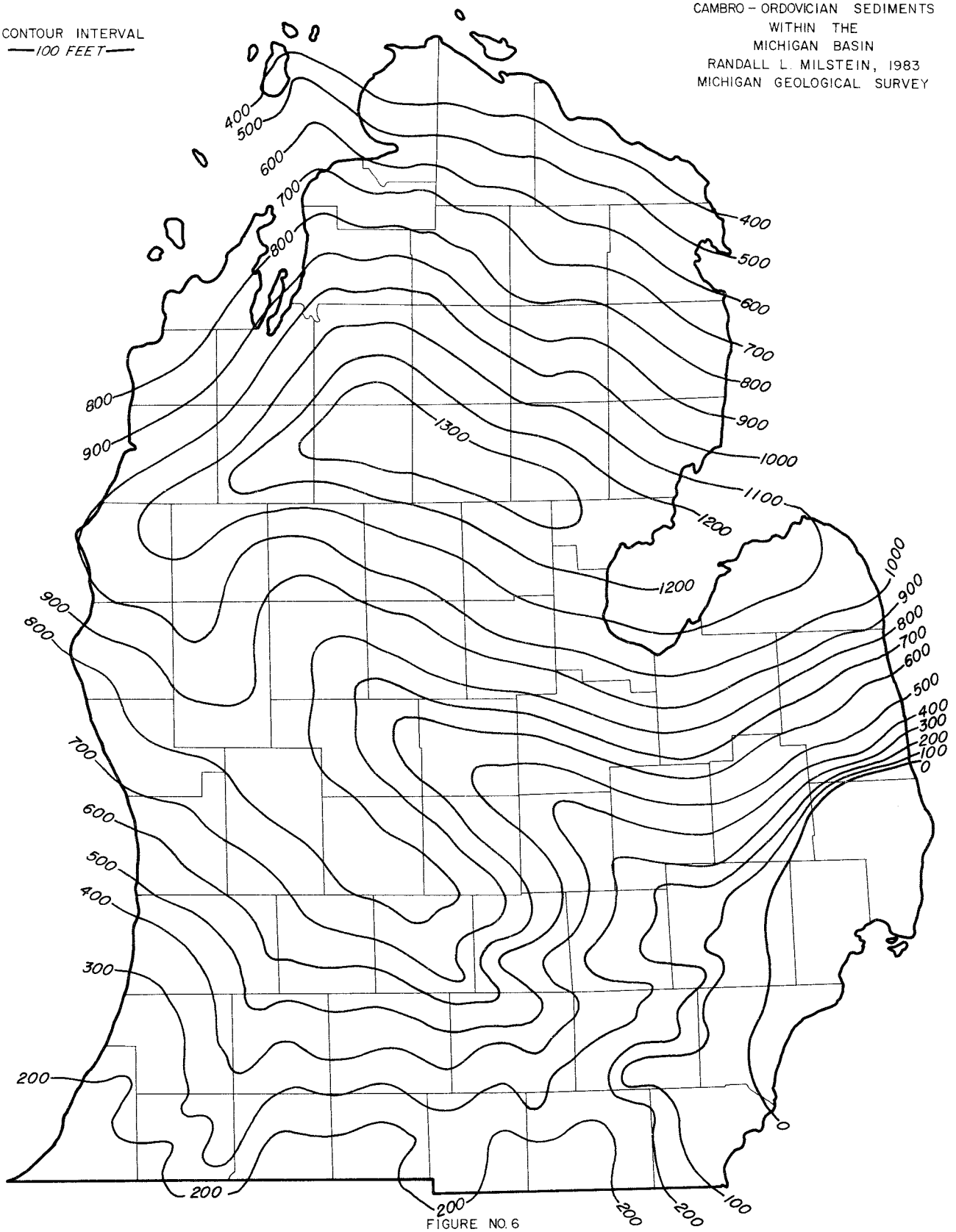


FIGURE NO. 6

PRAIRIE du CHIEN ISOPACH MAP

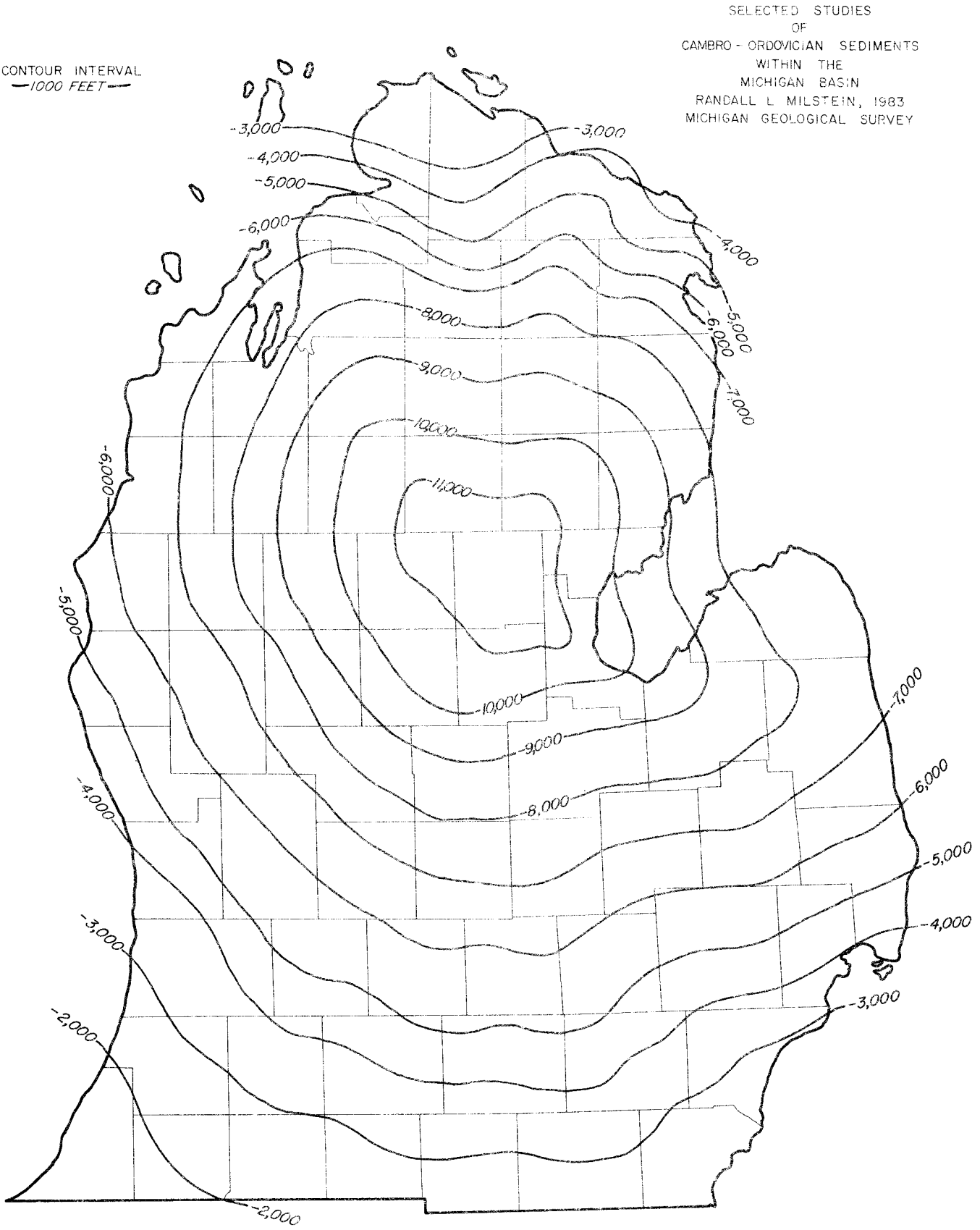


FIGURE NO. 7

TREMPEALEAU STRUCTURE CONTOUR MAP

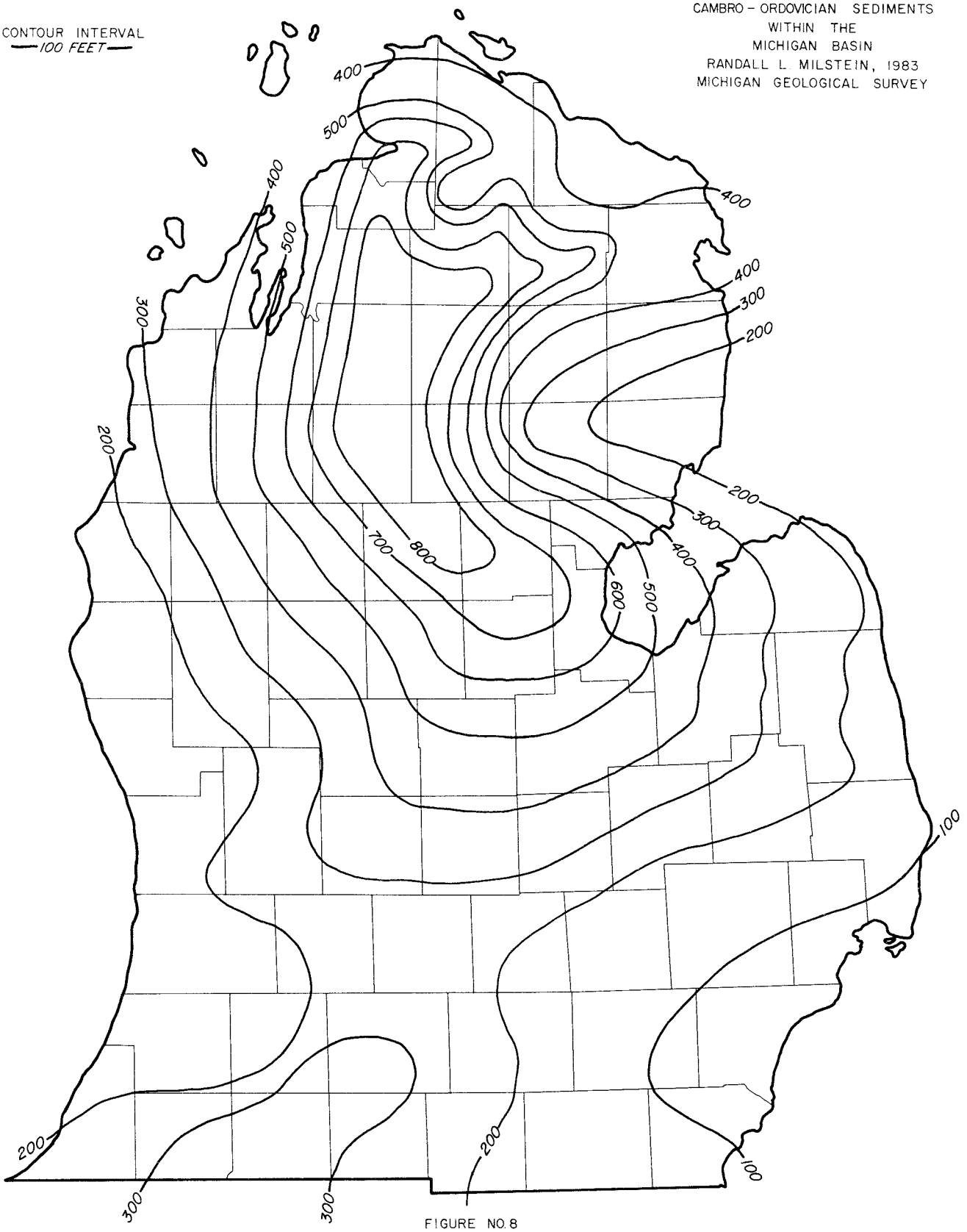


FIGURE NO. 8

TREMPEALEAU ISOPACH MAP

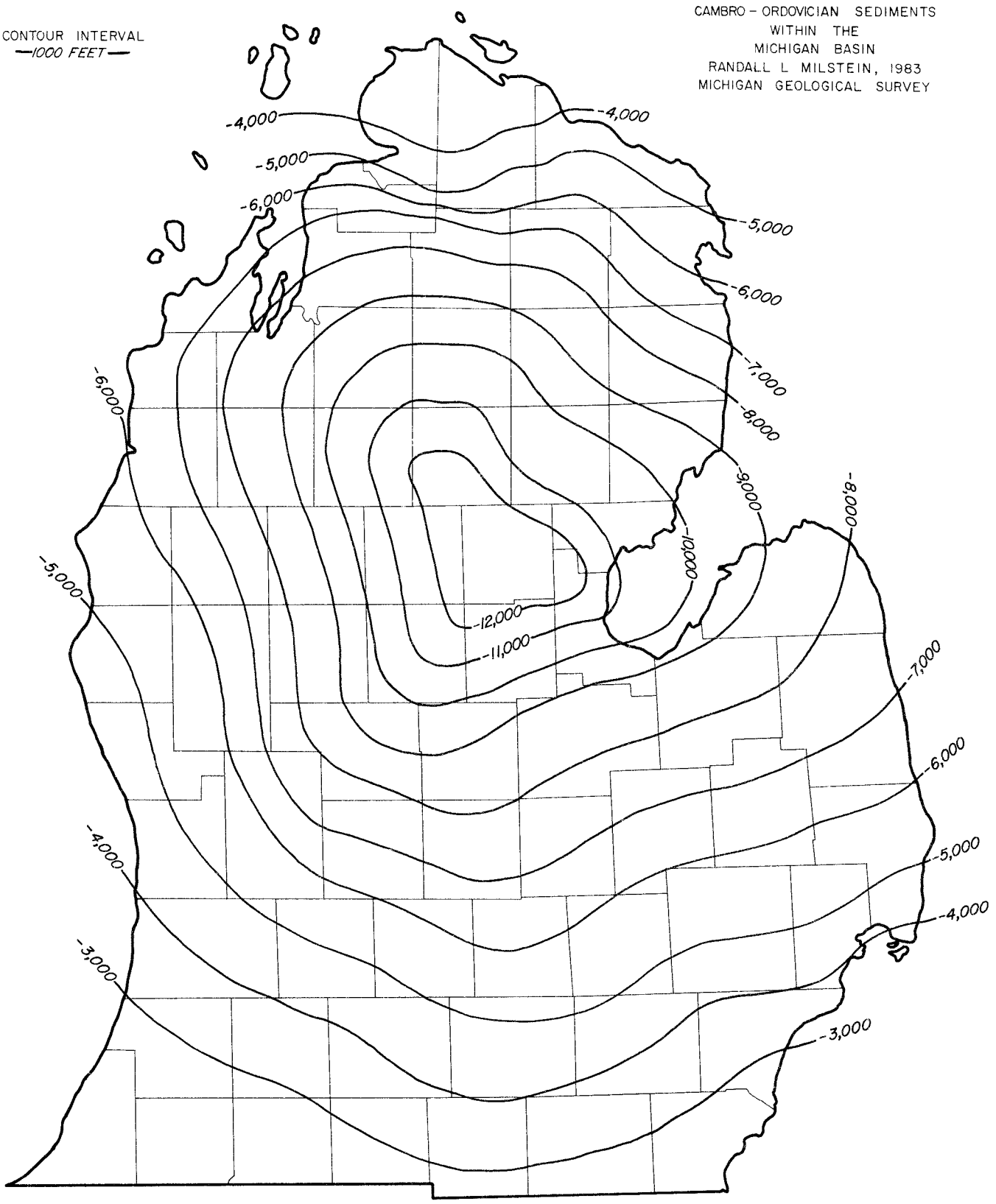


FIGURE NO. 9

FRANCONIA STRUCTURE CONTOUR MAP

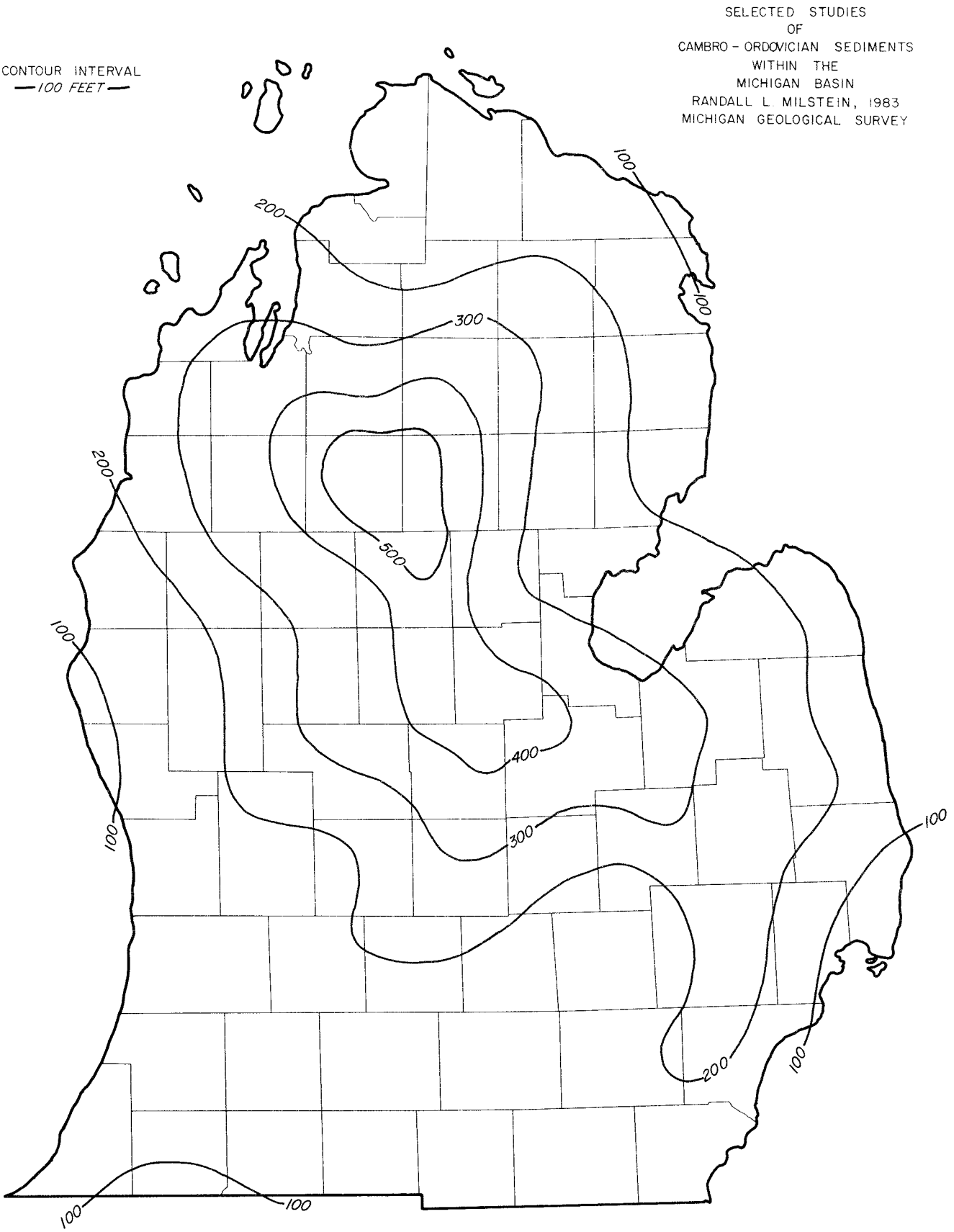


FIGURE NO.10

FRANCONIA ISOPACH MAP

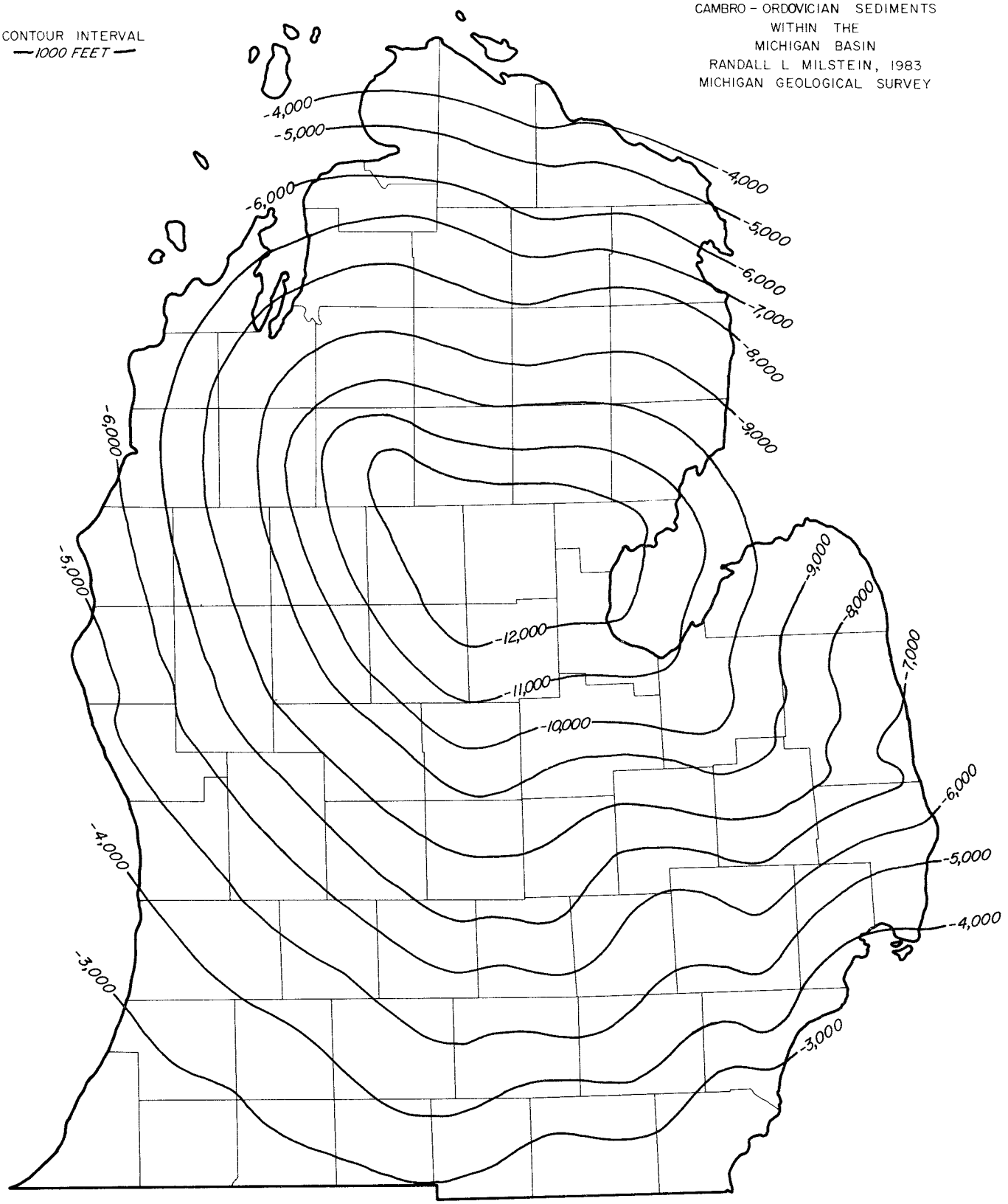


FIGURE NO. 11

DRESBACH STRUCTURE CONTOUR MAP

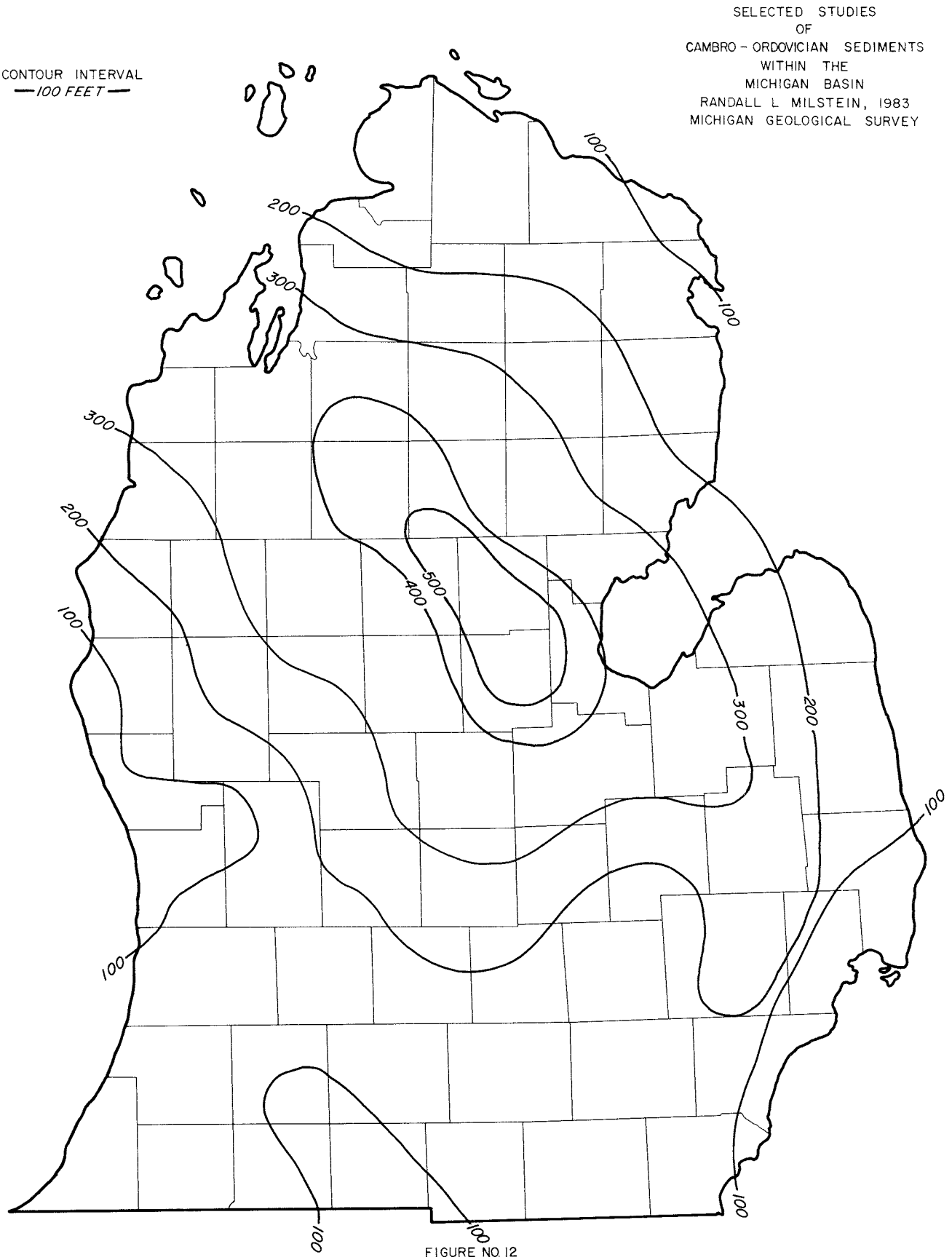


FIGURE NO. 12

DRESBACH ISOPACH MAP

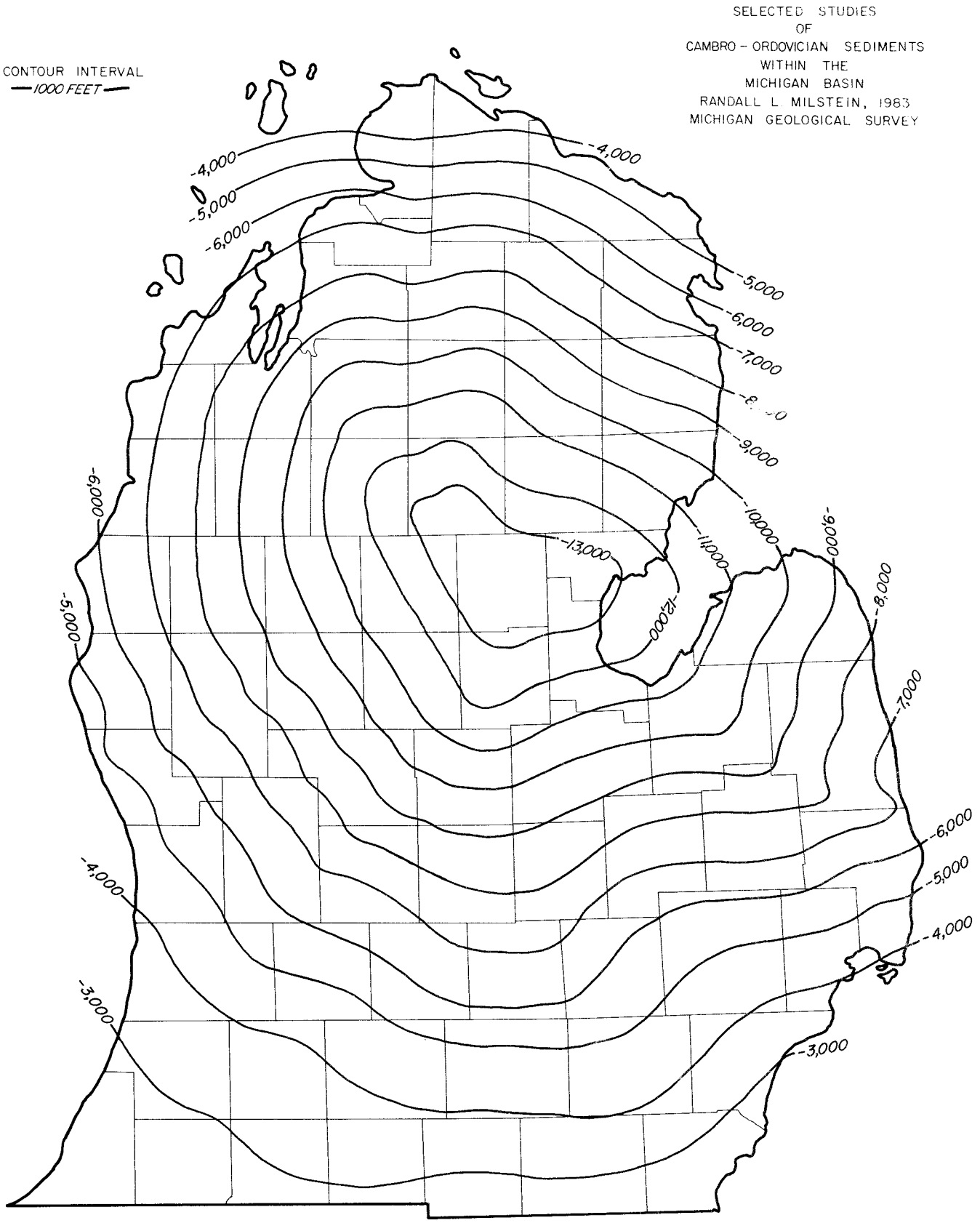


FIGURE NO. 13

EAU CLAIRE STRUCTURE CONTOUR MAP

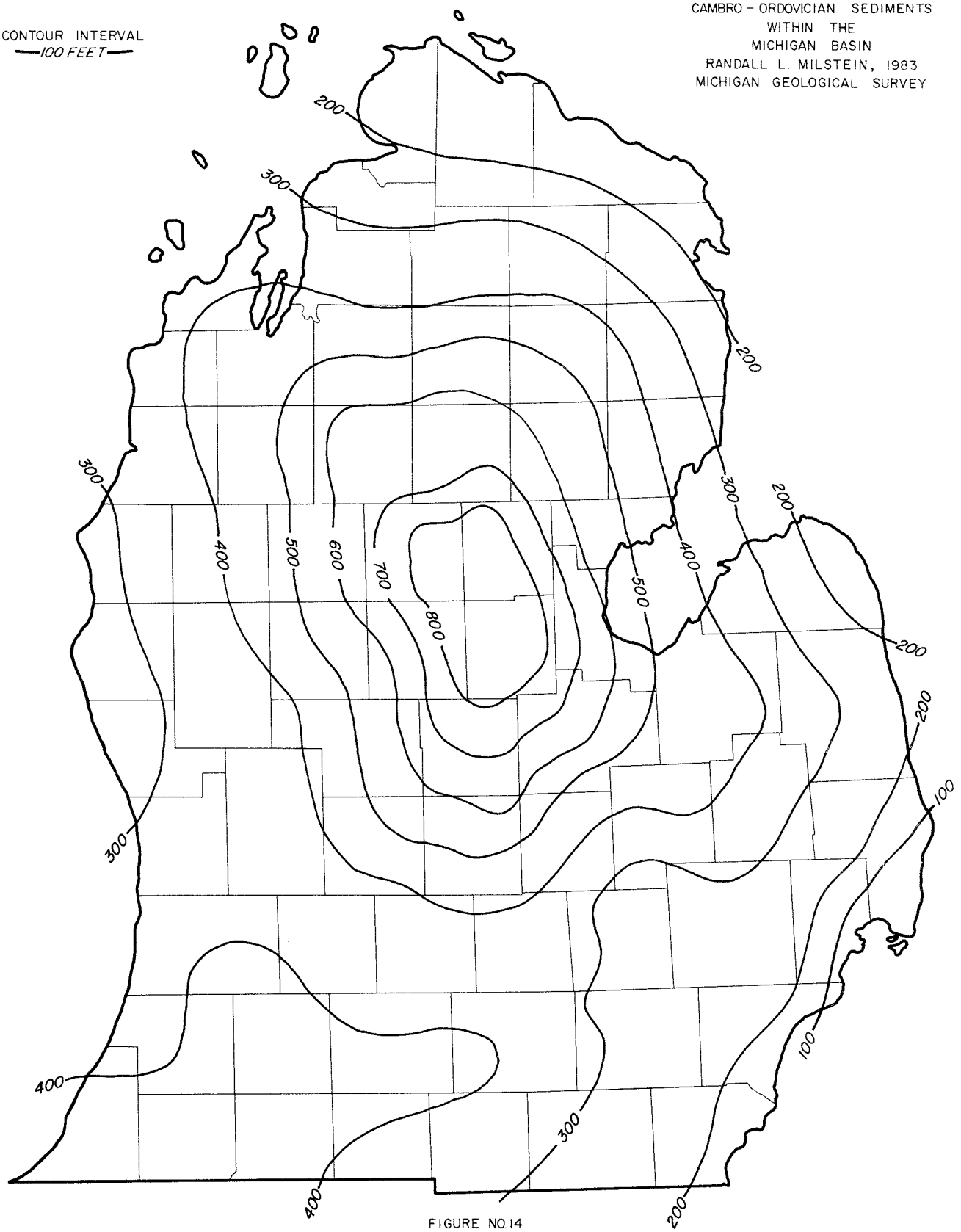


FIGURE NO. 14

EAU CLAIRE ISOPACH MAP

SELECTED STUDIES
OF
CAMBRO - ORDOVICIAN SEDIMENTS
WITHIN THE
MICHIGAN BASIN
RANDALL L MILSTEIN, 1983
MICHIGAN GEOLOGICAL SURVEY

CONTOUR INTERVAL
— 1000 FEET —

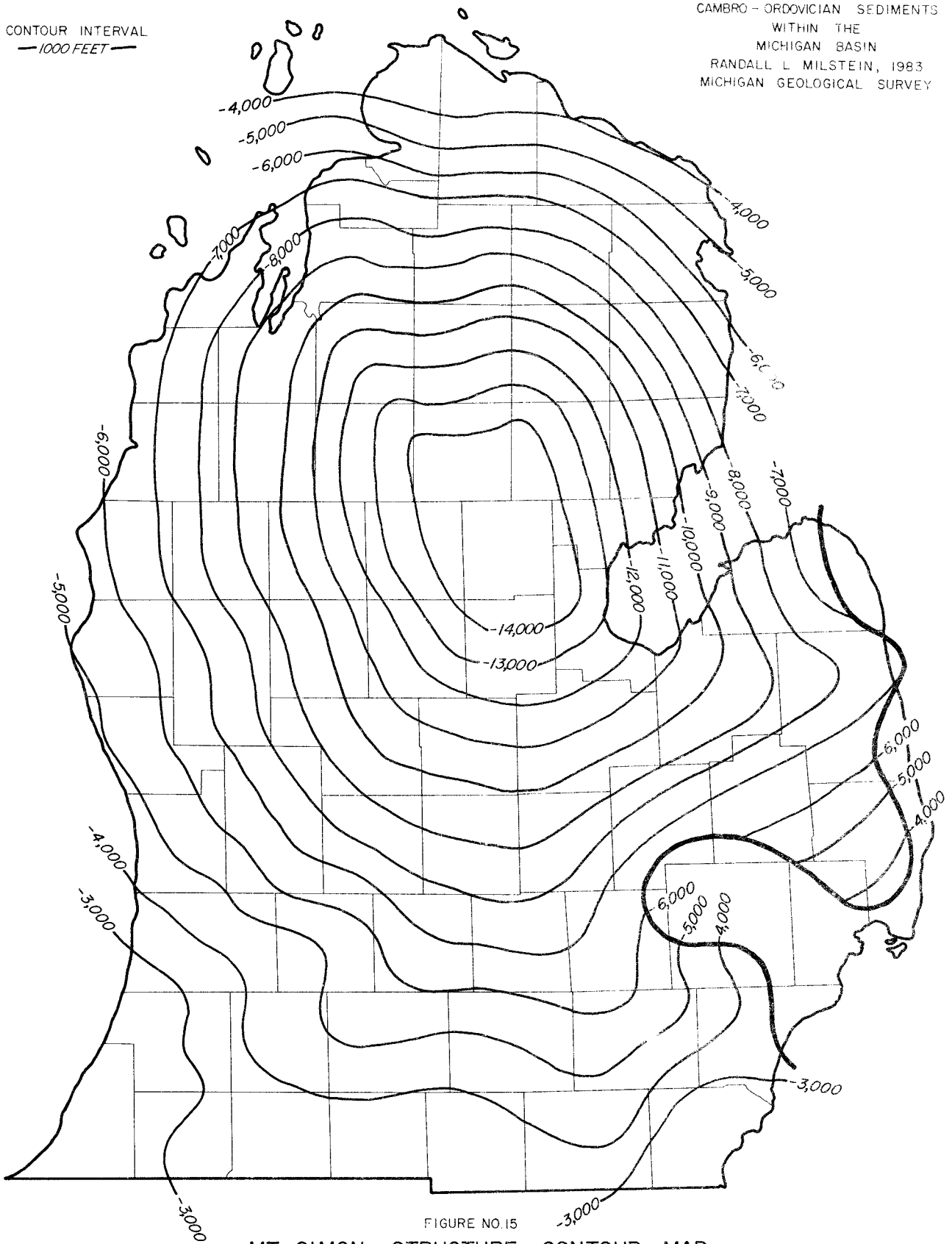


FIGURE NO. 15

MT. SIMON STRUCTURE CONTOUR MAP

SELECTED STUDIES
OF
CAMBRO - ORDOVICIAN SEDIMENTS
WITHIN THE
MICHIGAN BASIN
RANDALL L MILSTEIN, 1983
MICHIGAN GEOLOGICAL SURVEY

CONTOUR INTERVAL
—100 FEET—

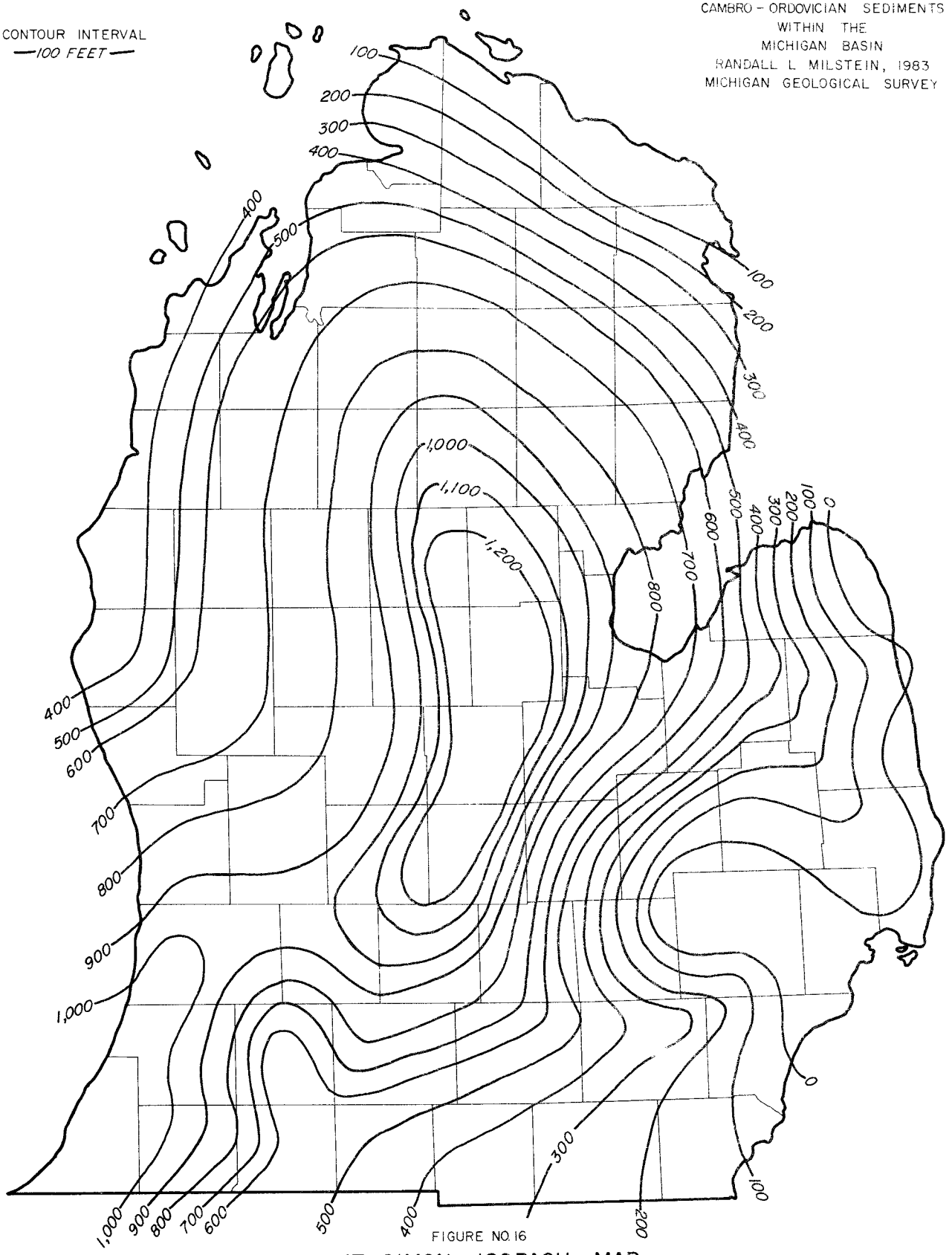


FIGURE NO. 16

MT. SIMON ISOPACH MAP

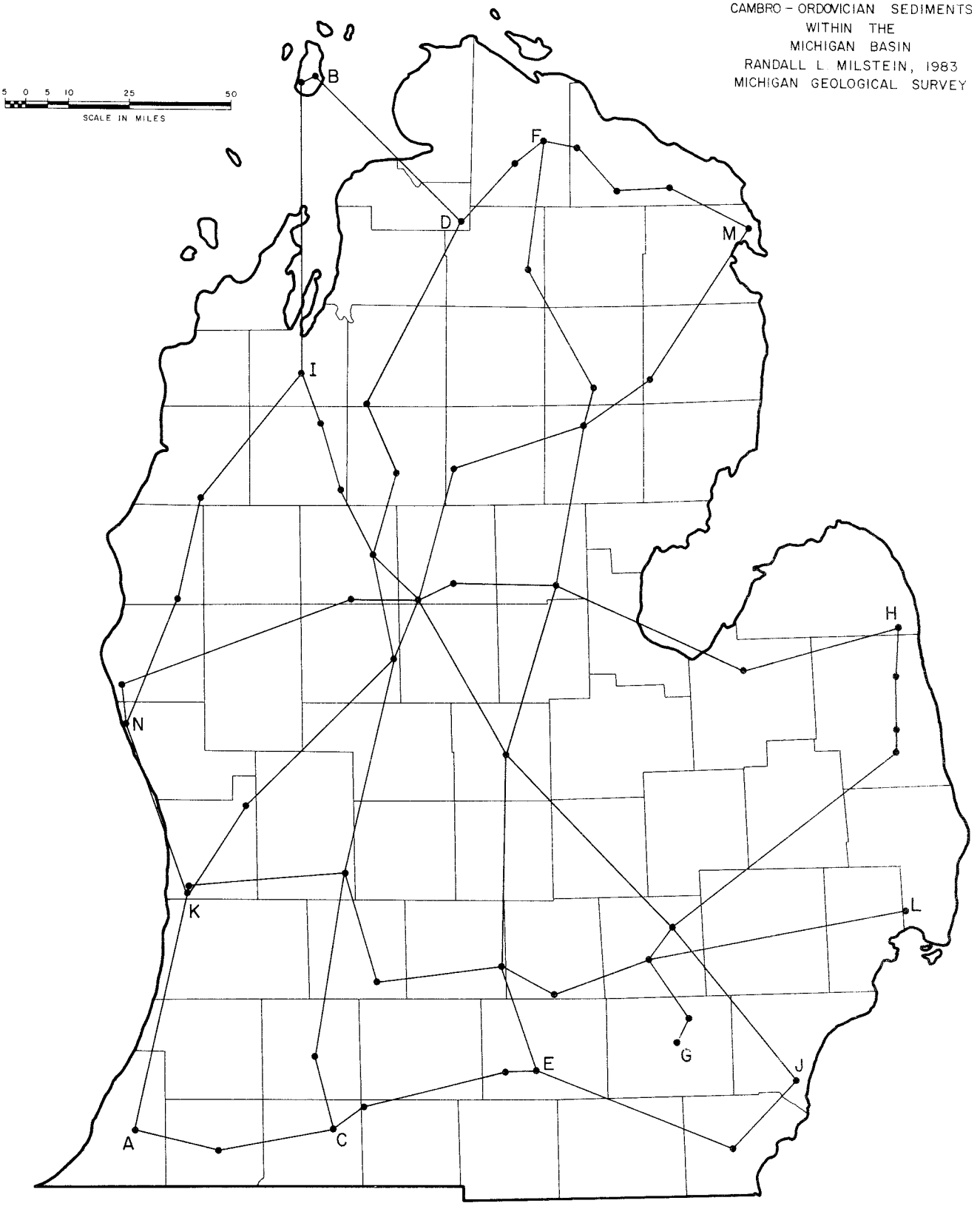


FIGURE NO. 17

INDEX MAP OF CROSS SECTIONS

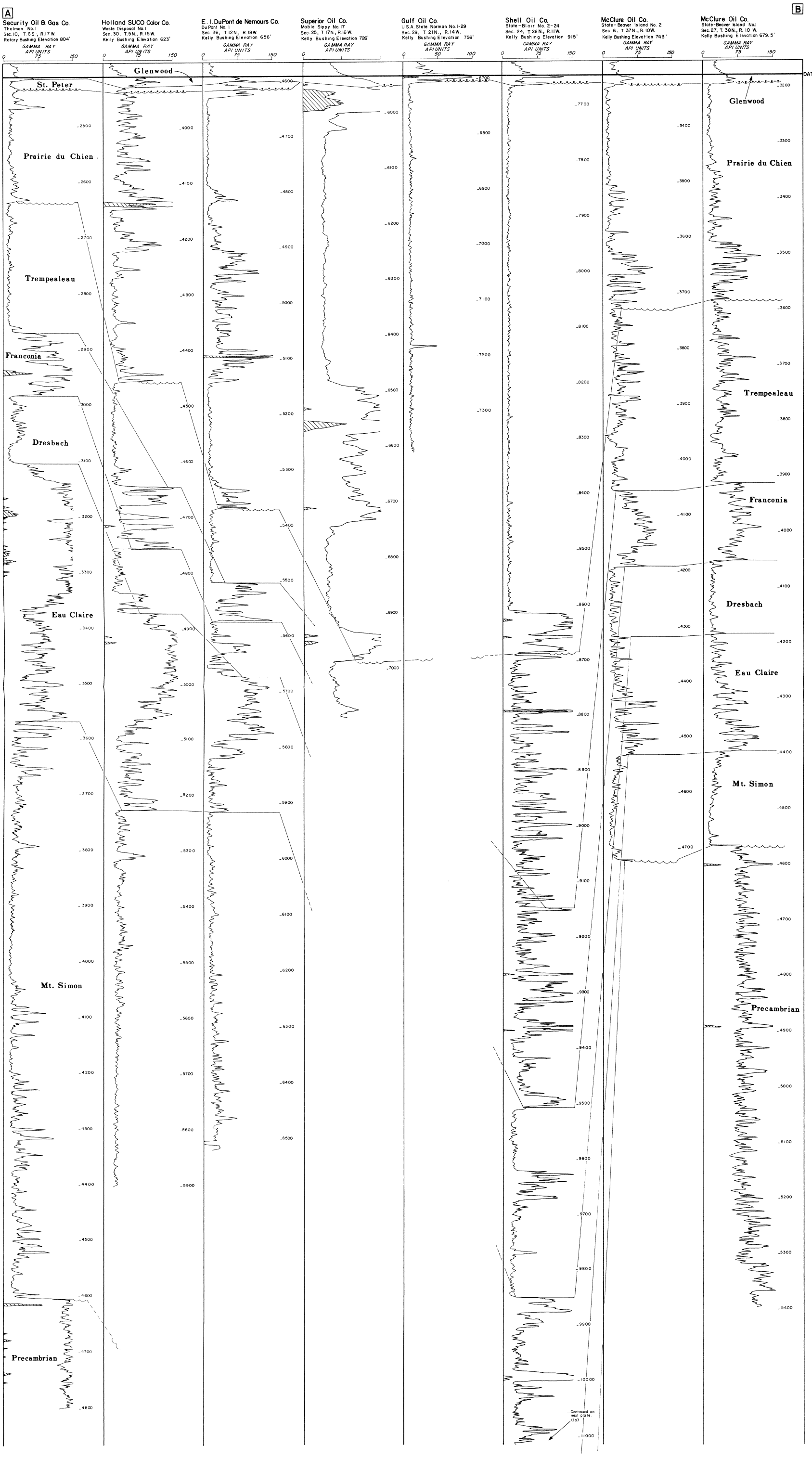


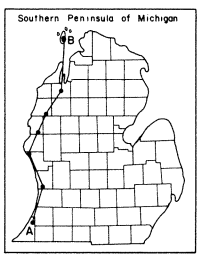
PLATE I

STRATIGRAPHIC CROSS SECTION A-B

BERRIEN COUNTY TO CHARLEVOIX COUNTY

MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

- Correlation Line
- Possible Correlation
- Erosional Unconformity
- Depositional Pinchout
- Post-Knox Unconformity

SCALE

Horizontal Scale None

Vertical Scale

0 — 50' — 100'

A

B

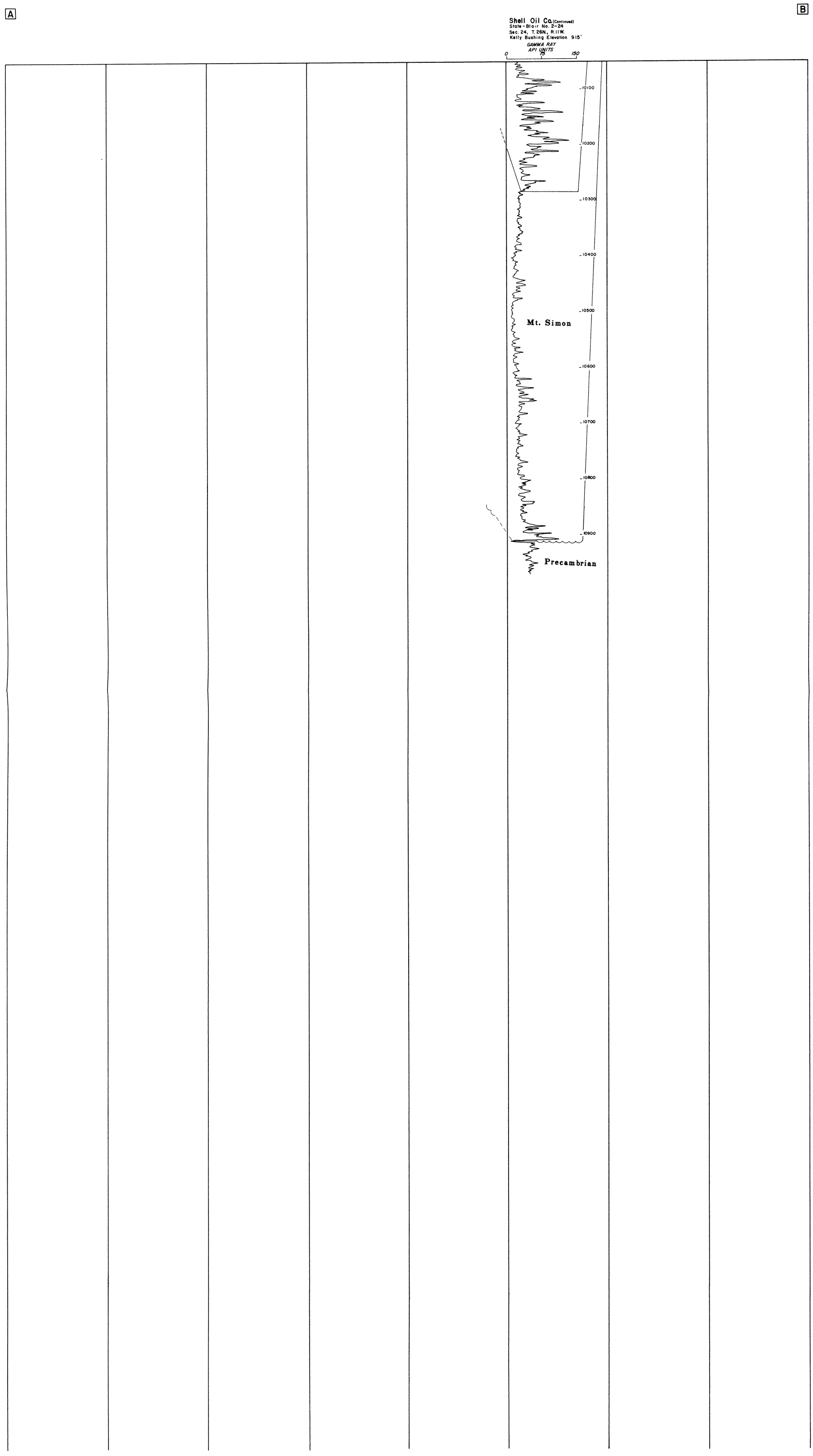
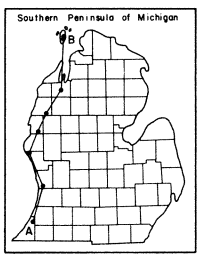


PLATE Ia

STRATIGRAPHIC CROSS SECTION A-B
BERRIEN COUNTY TO CHARLEVOIX COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100'

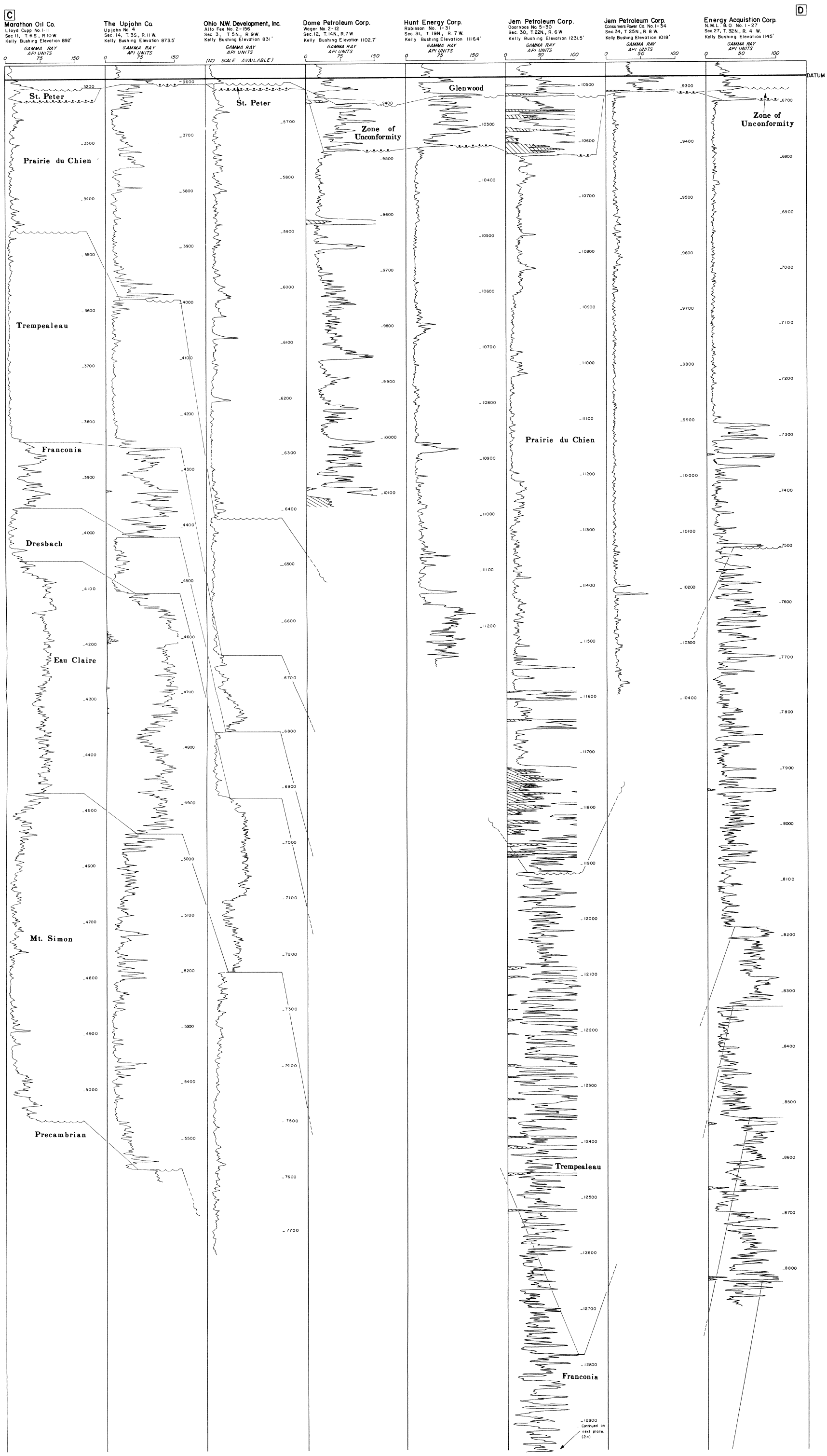
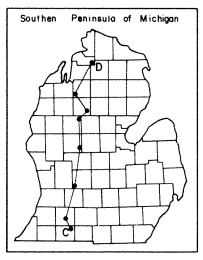


PLATE 2

STRATIGRAPHIC CROSS SECTION C-D
ST. JOSEPH COUNTY TO CHARLEVOIX COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

C

D

Jem Petroleum Corp. (Continued)
Doornbos No. 5-30
Sec. 30, T. 22N., R. 6W.
Kelly Bushing Elevation 1231.5'

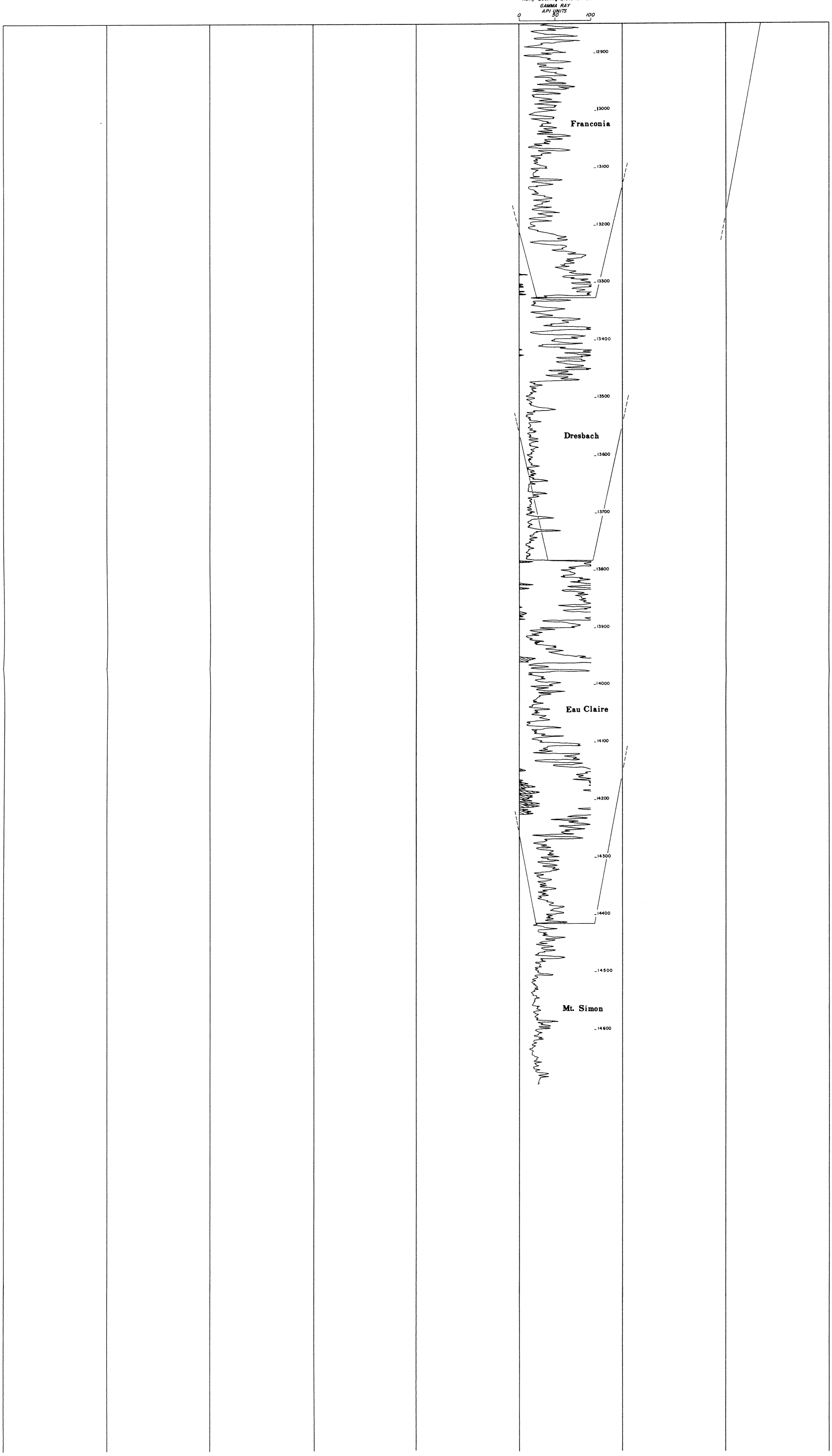
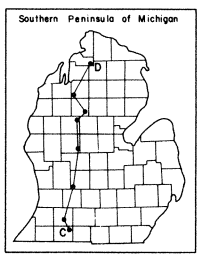


PLATE 2a

STRATIGRAPHIC CROSS SECTION C–D
ST. JOSEPH COUNTY TO CHARLEVOIX COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982

Southern Peninsula of Michigan



LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

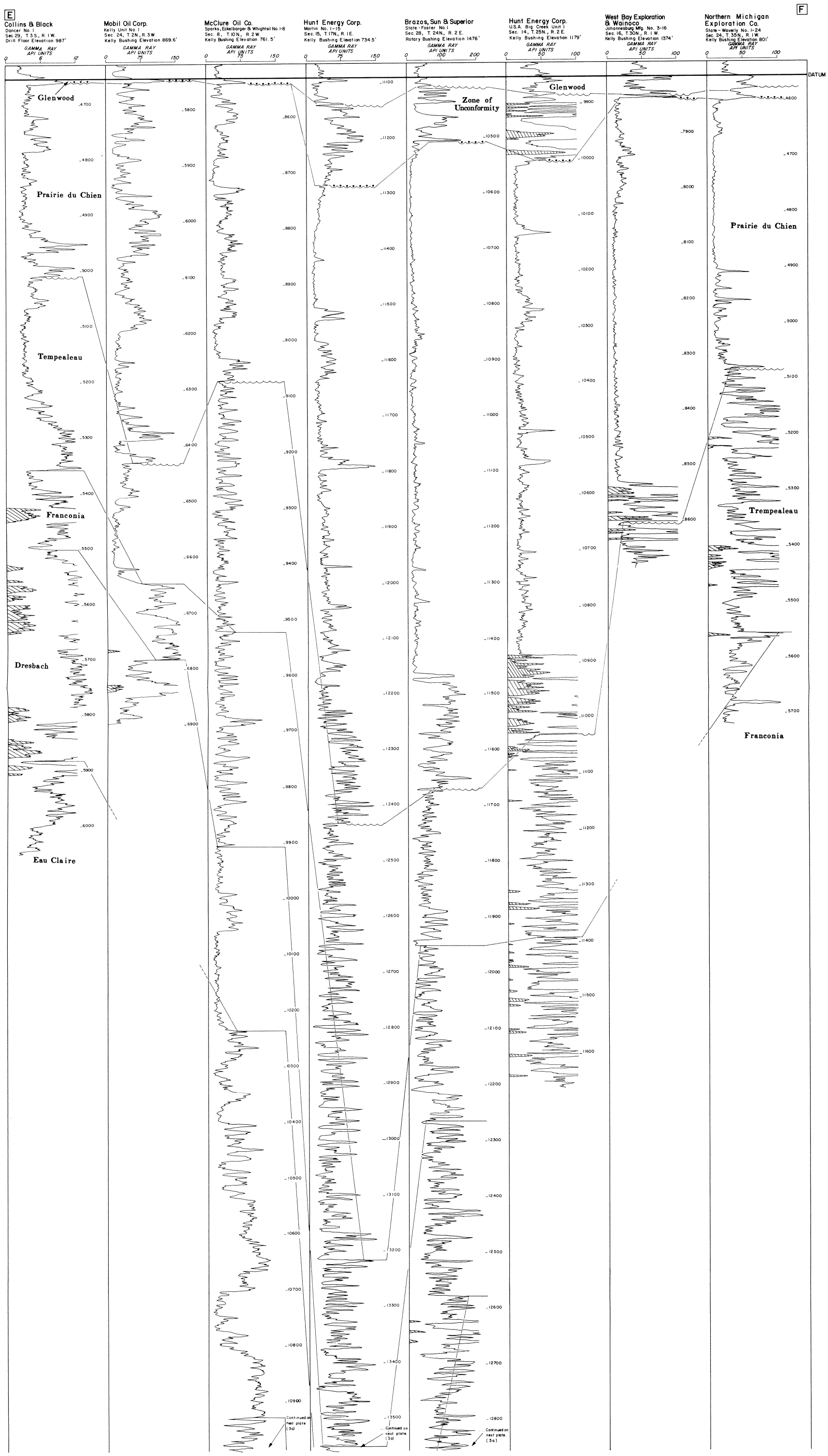
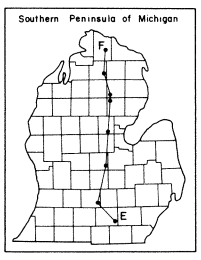


PLATE 3

STRATIGRAPHIC CROSS SECTION E-F
JACKSON COUNTY TO CHEBOYGAN COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

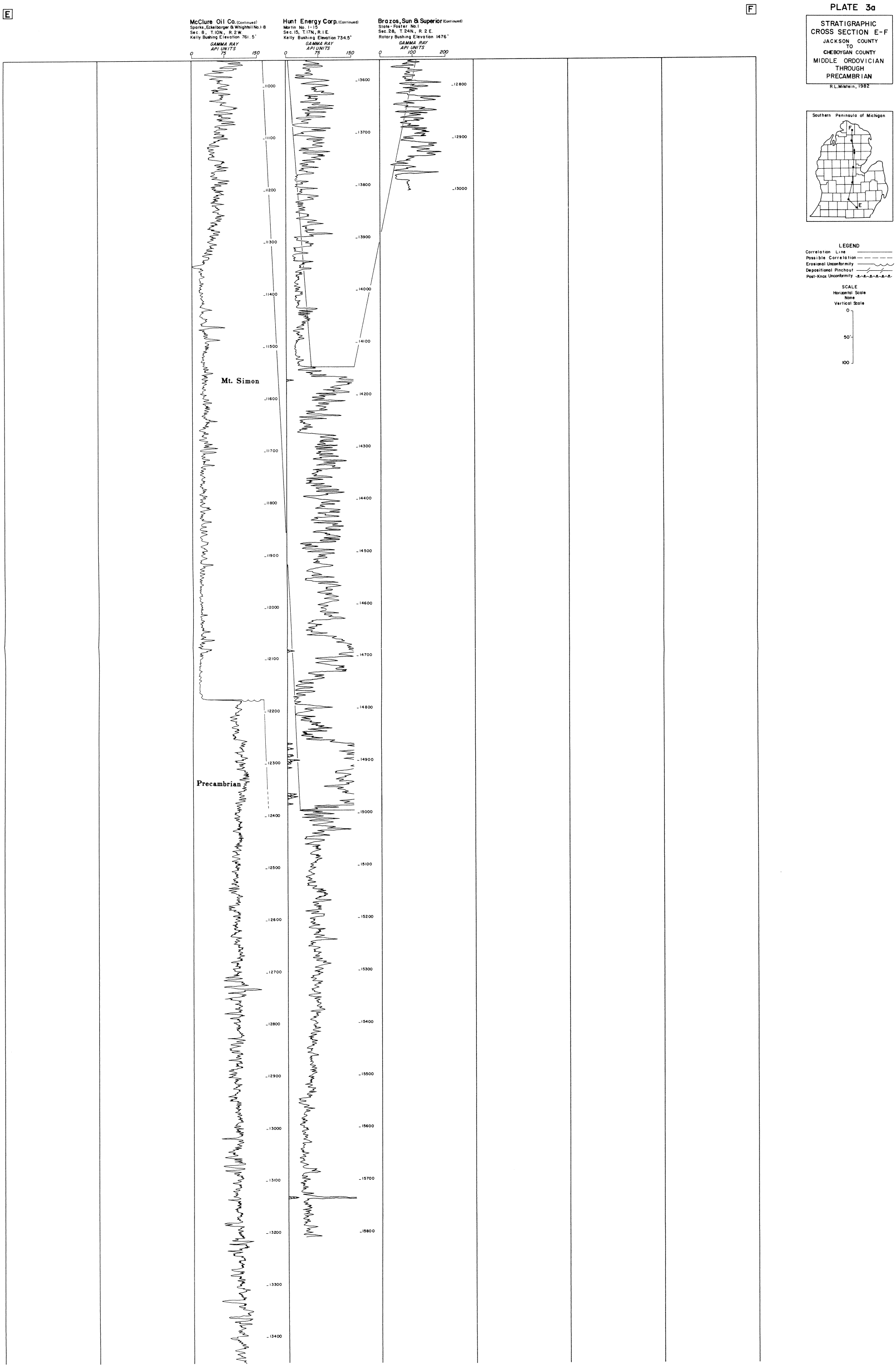


PLATE 3a

STRATIGRAPHIC CROSS SECTION E-F
JACKSON COUNTY TO CHEBOYGAN COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982

Southern Peninsula of Michigan

F

E

LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

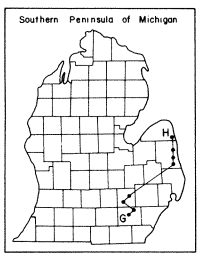
SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100

PLATE 4

STRATIGRAPHIC CROSS SECTION G-H
WASTENAW COUNTY TO HURON COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND
Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

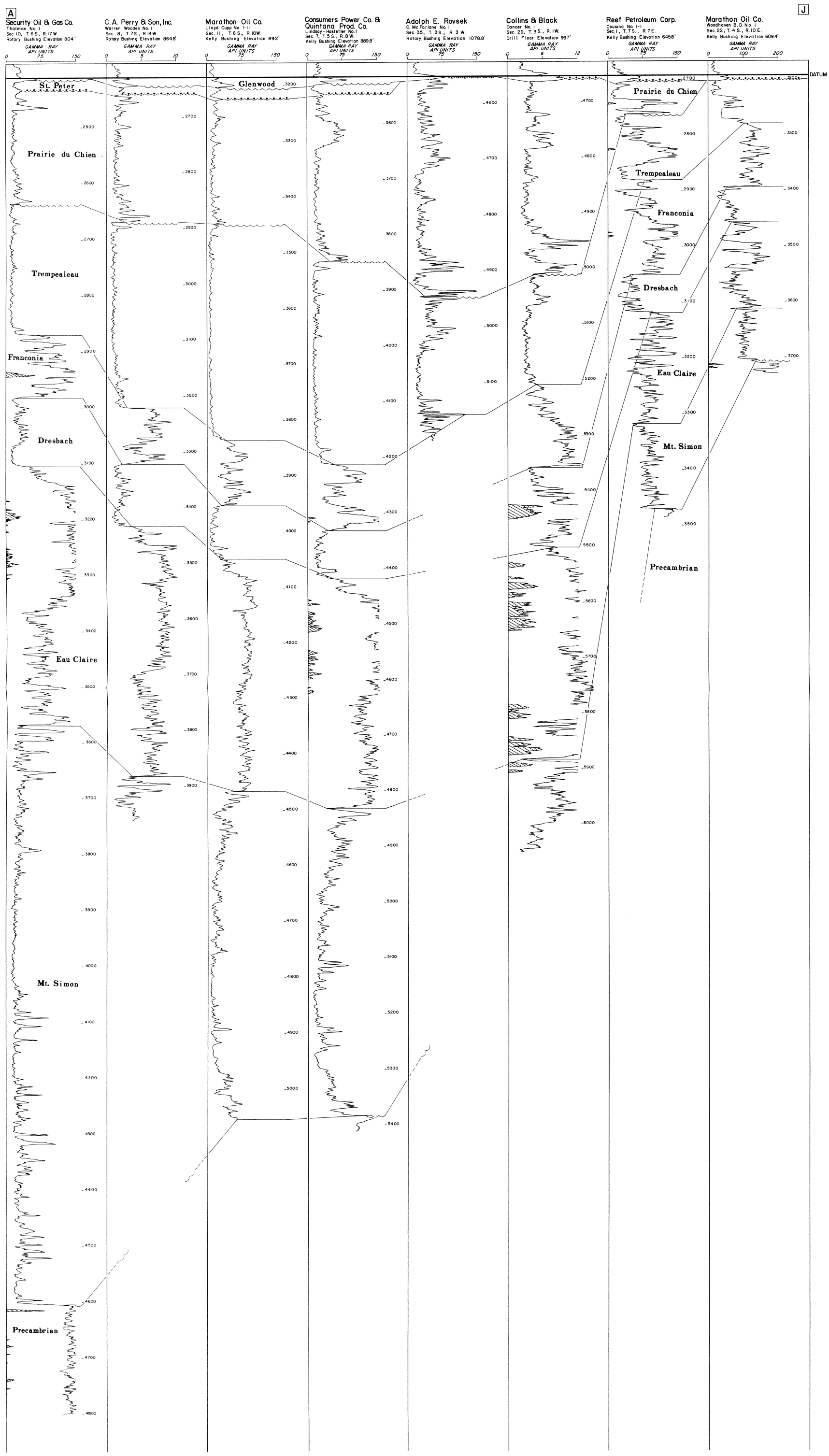
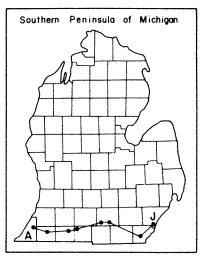


PLATE 5

STRATIGRAPHIC CROSS SECTION A-J
BERRIEN COUNTY TO WAYNE COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100'

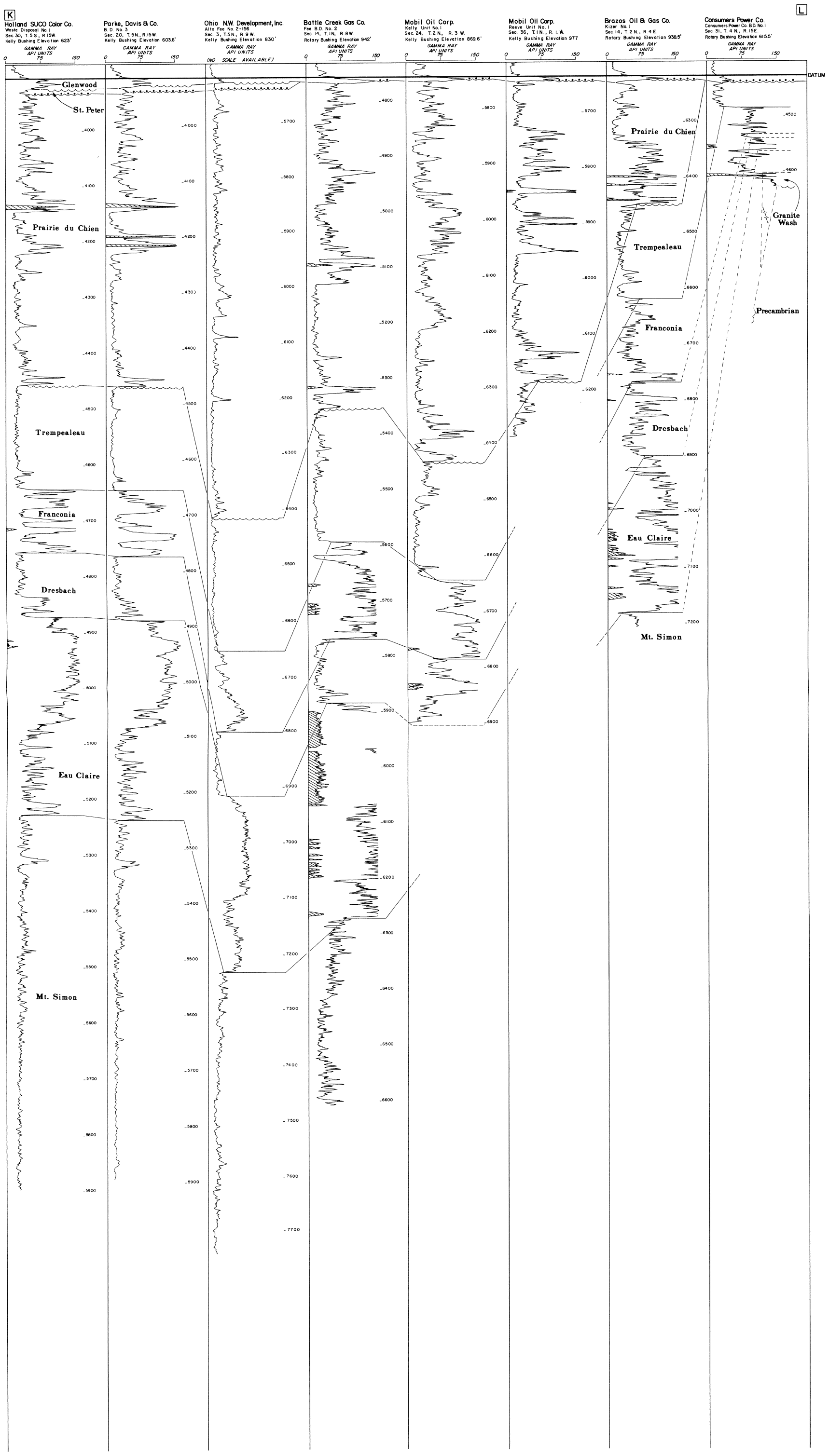
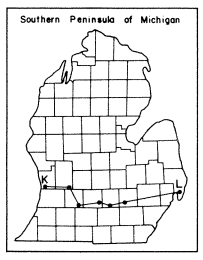


PLATE 6

STRATIGRAPHIC CROSS SECTION K-L
OTTAWA COUNTY TO MACOMB COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

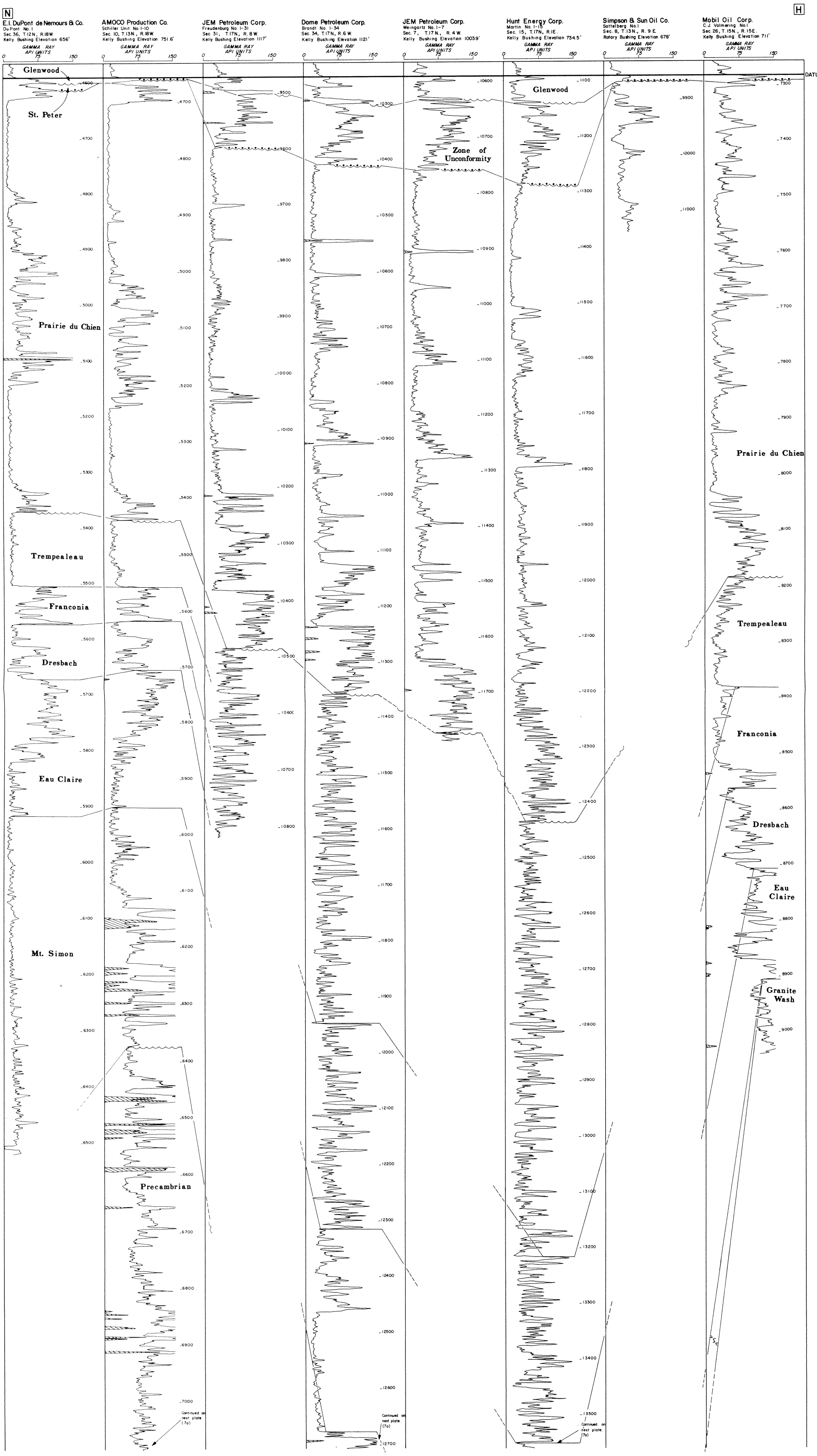
- Correlation Line
- Possible Correlation
- Erosional Unconformity
- Depositional Pinchout
- Post-Knox Unconformity

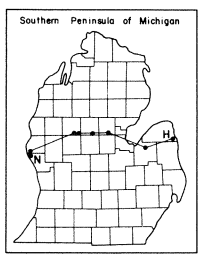
SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

PLATE 7

STRATIGRAPHIC CROSS SECTION N-H
MUSKEGON COUNTY TO HURON COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982





LEGEND

- Correlation Line
- Possible Correlation
- Erosional Unconformity
- Depositional Pinchout
- Post-Knox Unconformity

SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100'

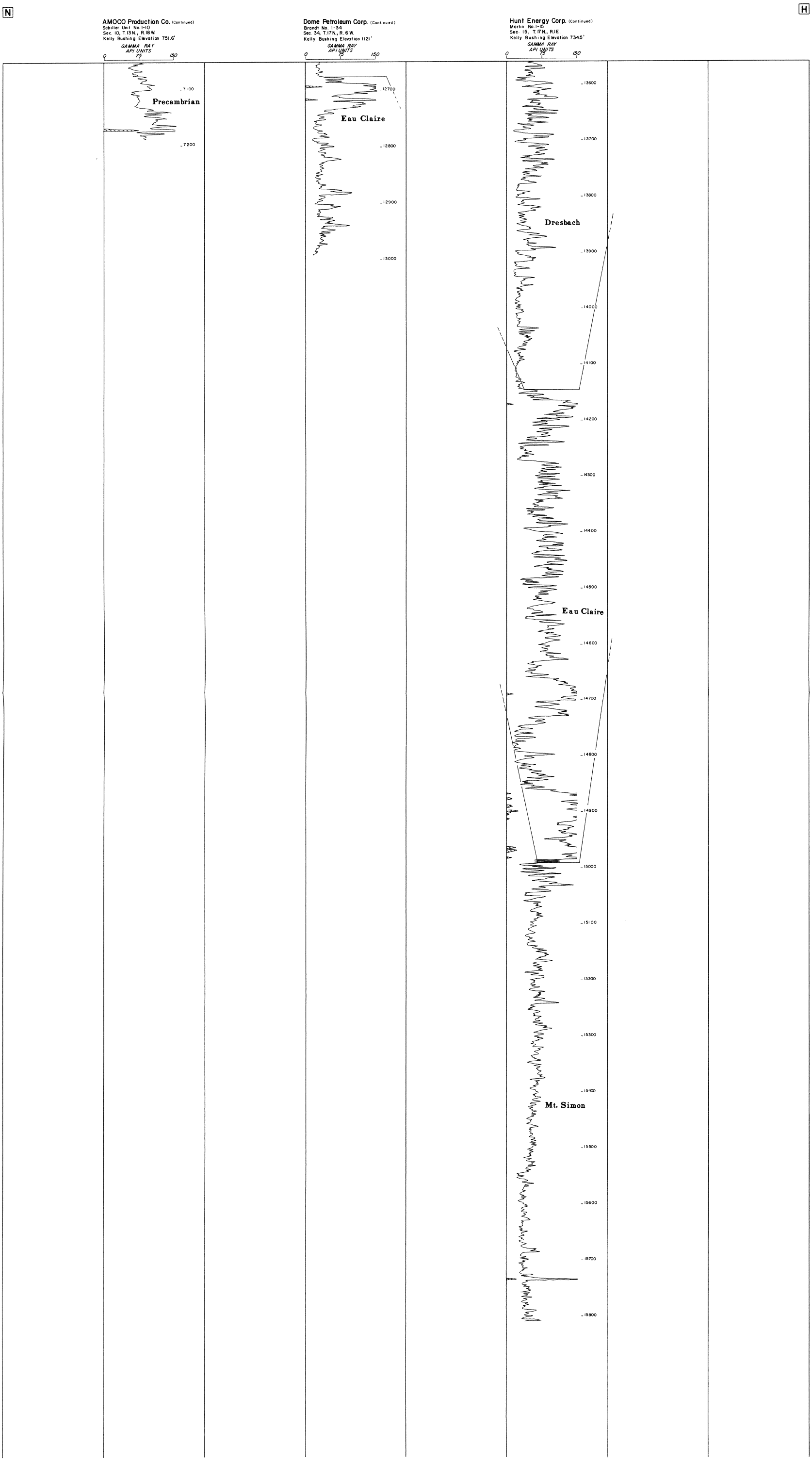
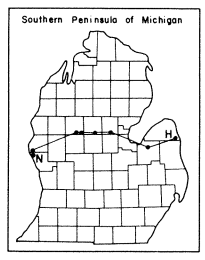


PLATE 7a

STRATIGRAPHIC CROSS SECTION N-H
MUSKEGON COUNTY TO HURON COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

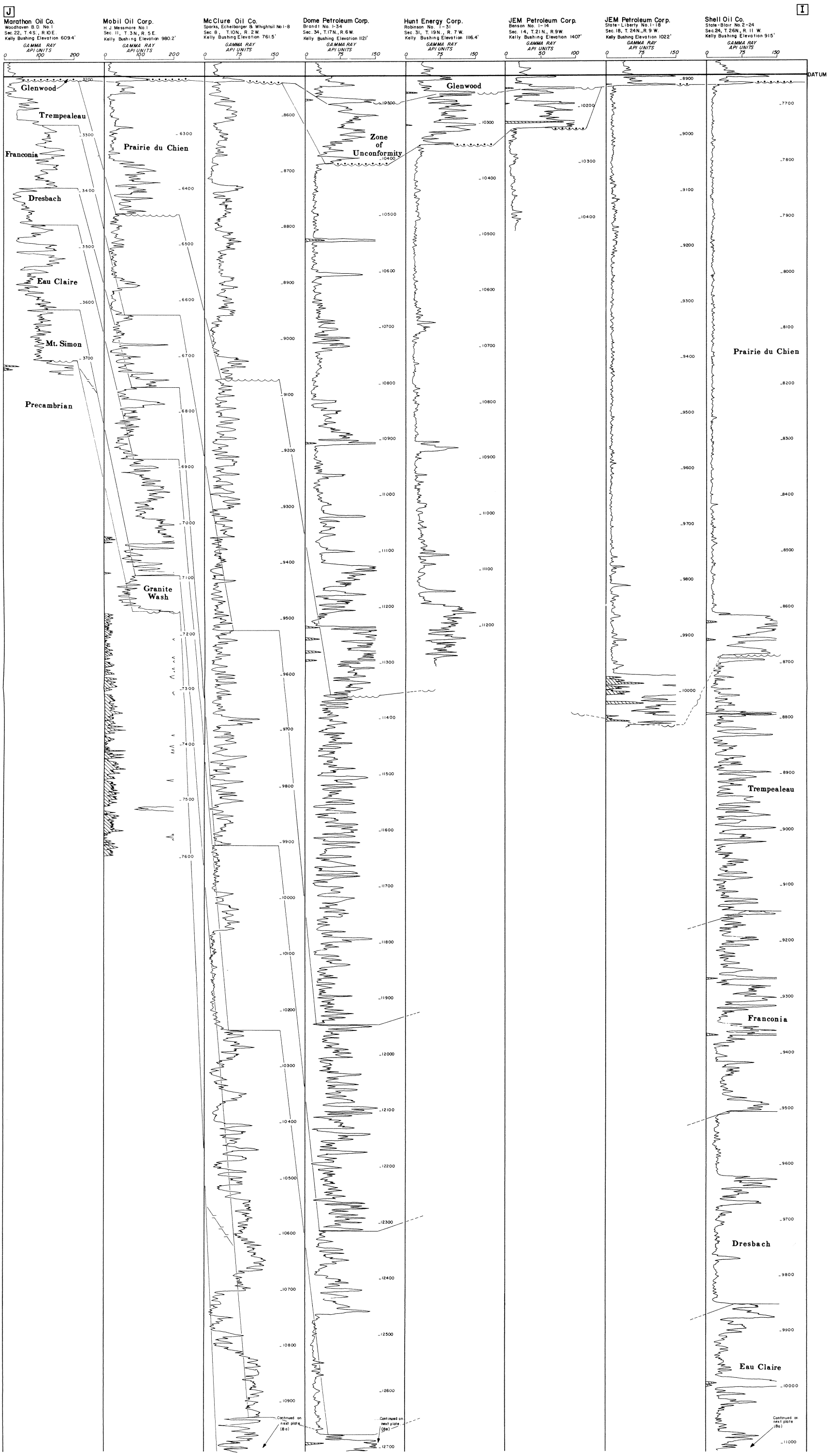
Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

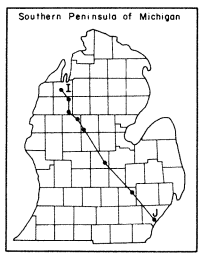
SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

PLATE 8

STRATIGRAPHIC CROSS SECTION J–I
WAYNE COUNTY TO GRAND TRAVERSE COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982





LEGEND

- Correlation Line
- Possible Correlation
- Erosional Unconformity
- Depositional Pinchout
- Post-Knox Unconformity

SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100'

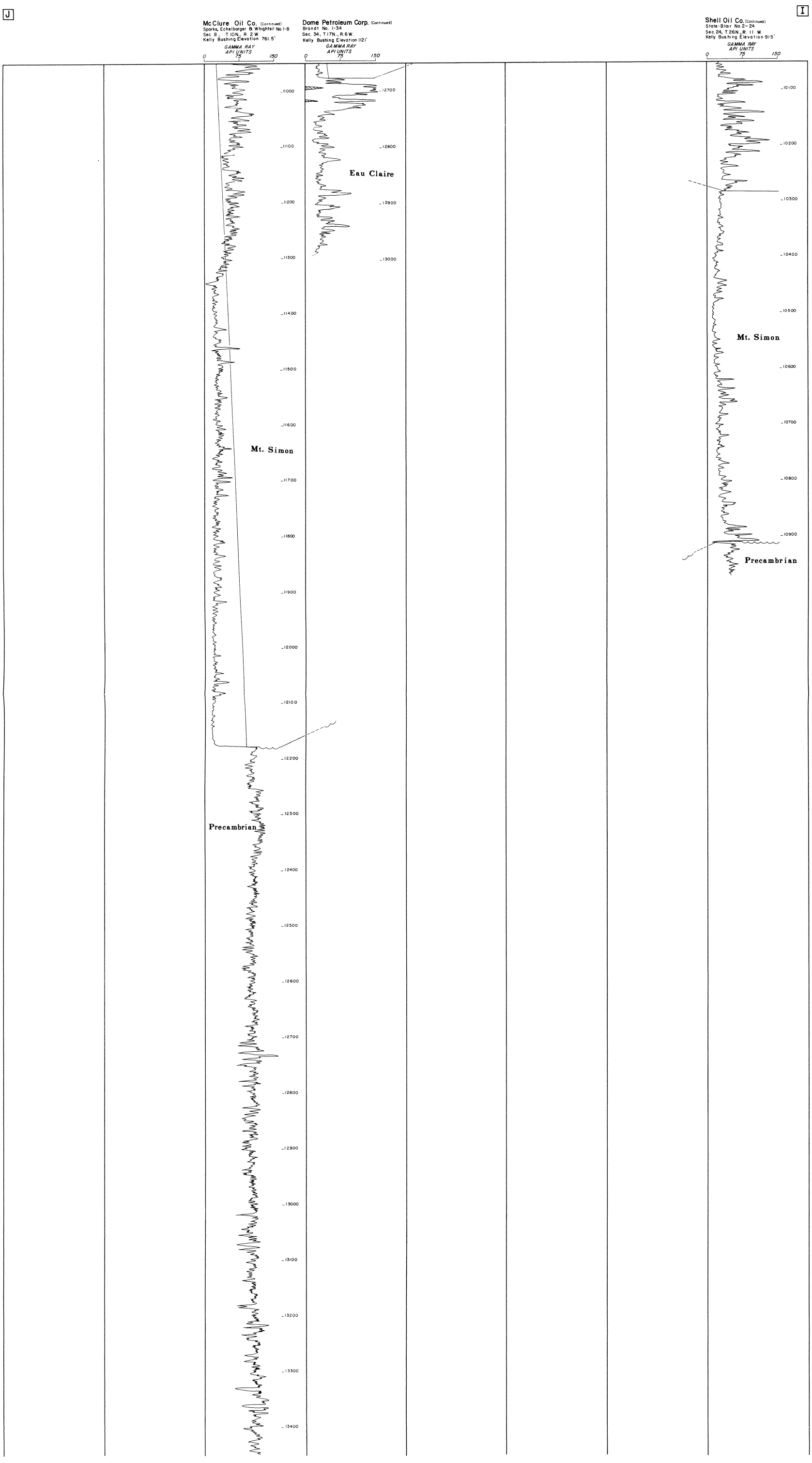
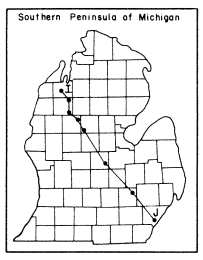


PLATE 8a

STRATIGRAPHIC CROSS SECTION J-I
WAYNE COUNTY
TO
GRAND TRAVERSE COUNTY
MIDDLE ORDOVICIAN
THROUGH
PRECAMBRIAN

R.L. Milstein, 1982



LEGEND
Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

SCALE
Horizontal Scale
None
Vertical Scale
0
50'
100'

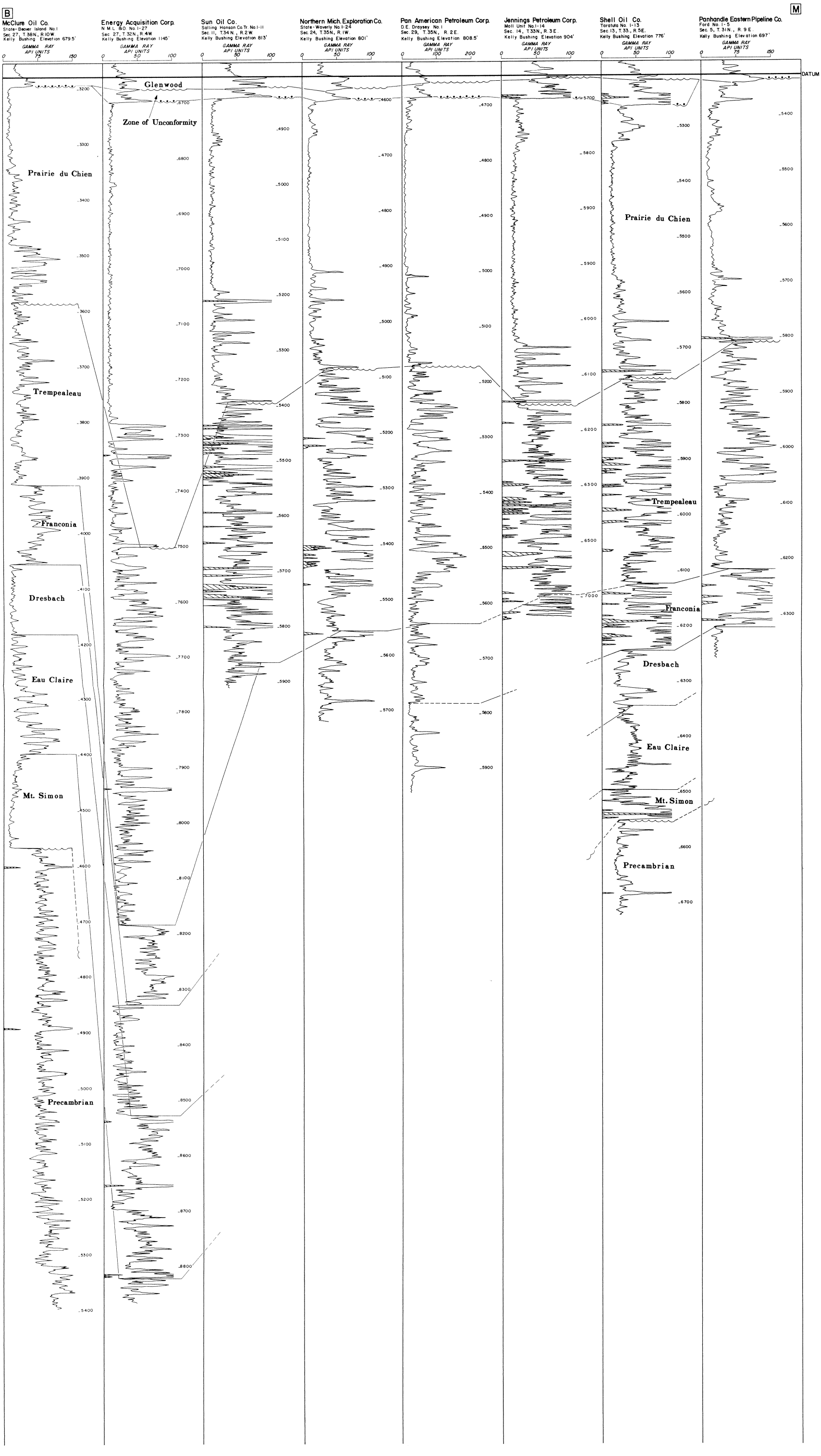
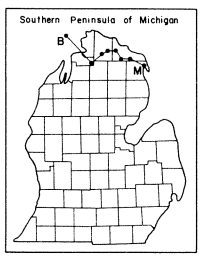


PLATE 9

STRATIGRAPHIC CROSS SECTION B-M
CHARLEVOIX COUNTY TO ALPENA COUNTY
MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

- Correlation Line
- Possible Correlation
- Erosional Unconformity
- Depositional Pinchout
- Post-Knox Unconformity

SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100'

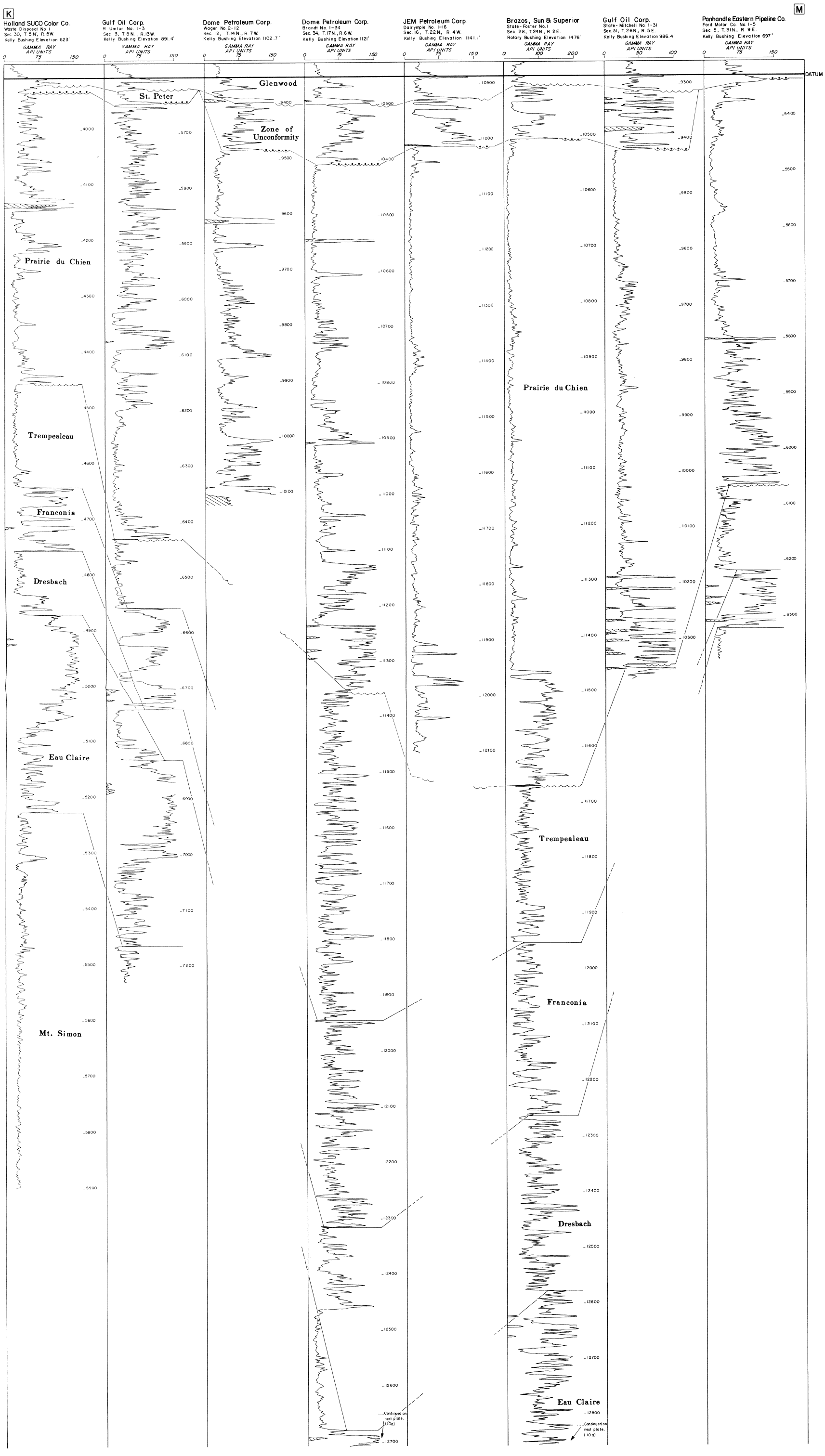
PLATE 10

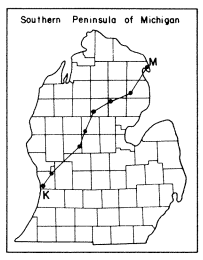
STRATIGRAPHIC CROSS SECTION K-M

OTTAWA COUNTY TO ALPENA COUNTY

MIDDLE ORDOVICIAN THROUGH PRECAMBRIAN

R.L. Milstein, 1982





LEGEND

- Correlation Line
- Possible Correlation
- Erosional Unconformity
- Depositional Pinchout
- Post-Knox Unconformity

SCALE

Horizontal Scale None

Vertical Scale

0 — 50' — 100'

K

M

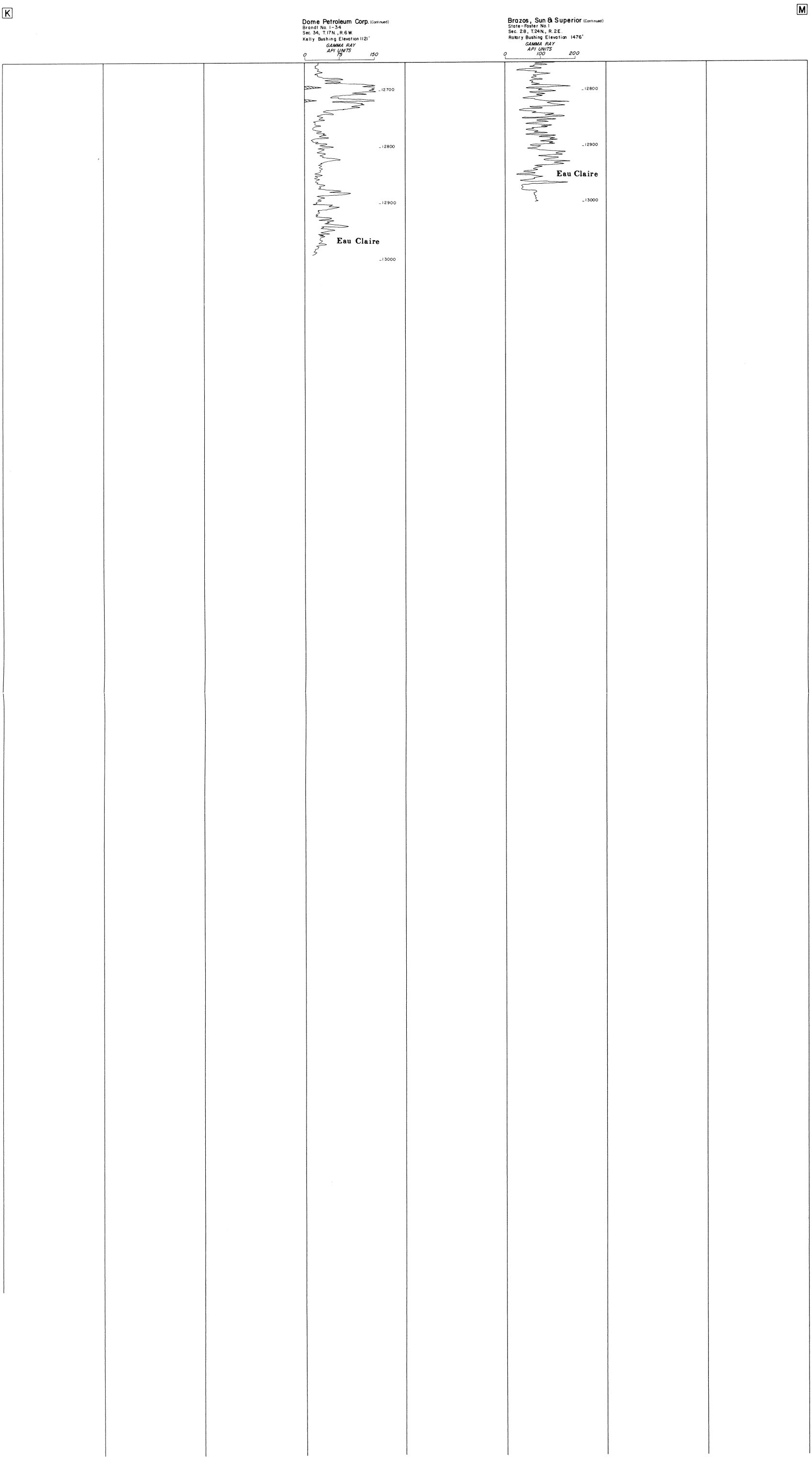
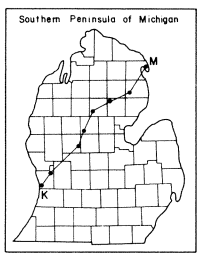


PLATE 10a

STRATIGRAPHIC CROSS SECTION K-M
OTTAWA COUNTY
TO
ALPENA COUNTY
MIDDLE ORDOVICIAN
THROUGH
PRECAMBRIAN

R.L. Milstein, 1982



LEGEND

Correlation Line
Possible Correlation
Erosional Unconformity
Depositional Pinchout
Post-Knox Unconformity

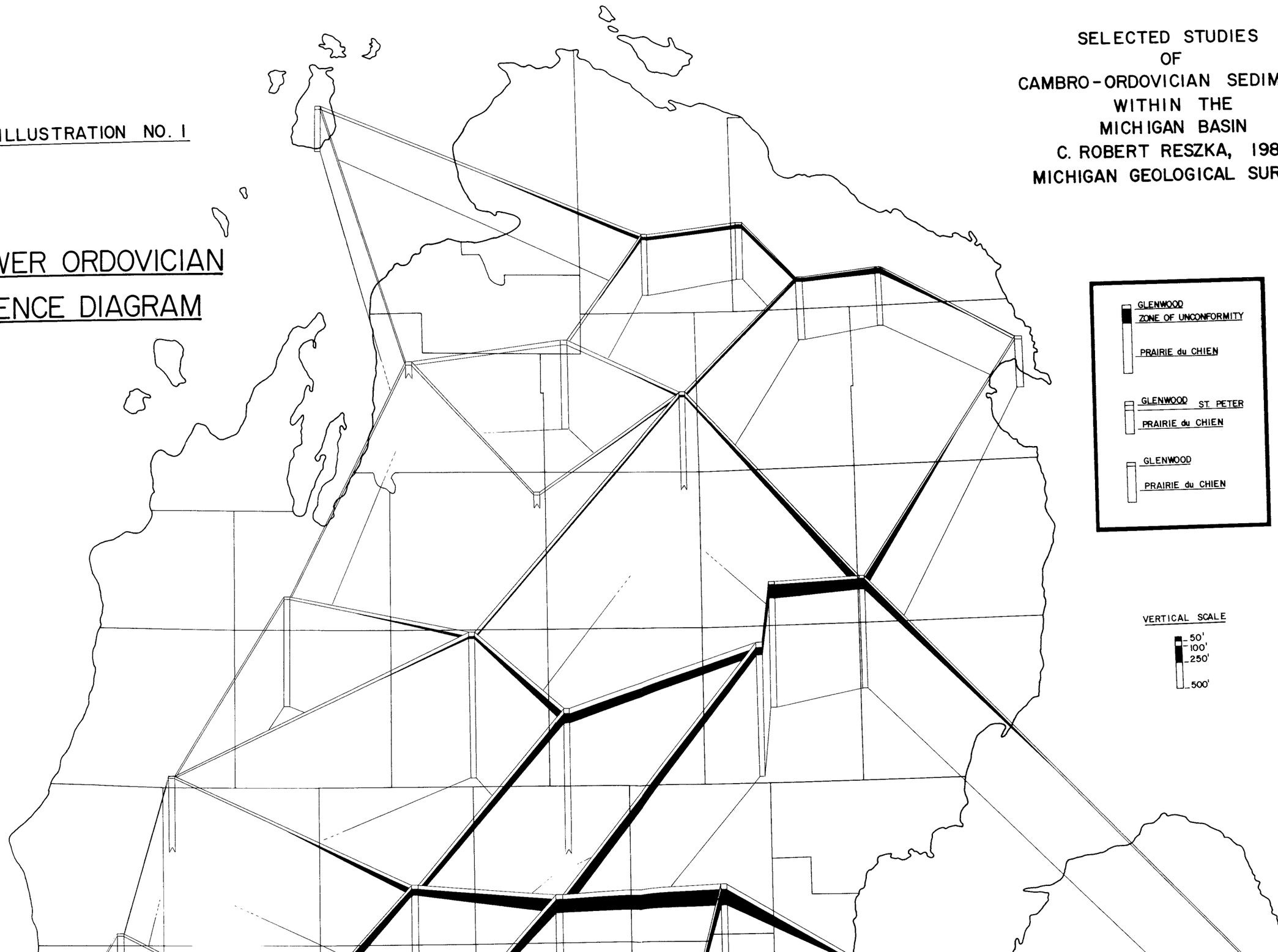
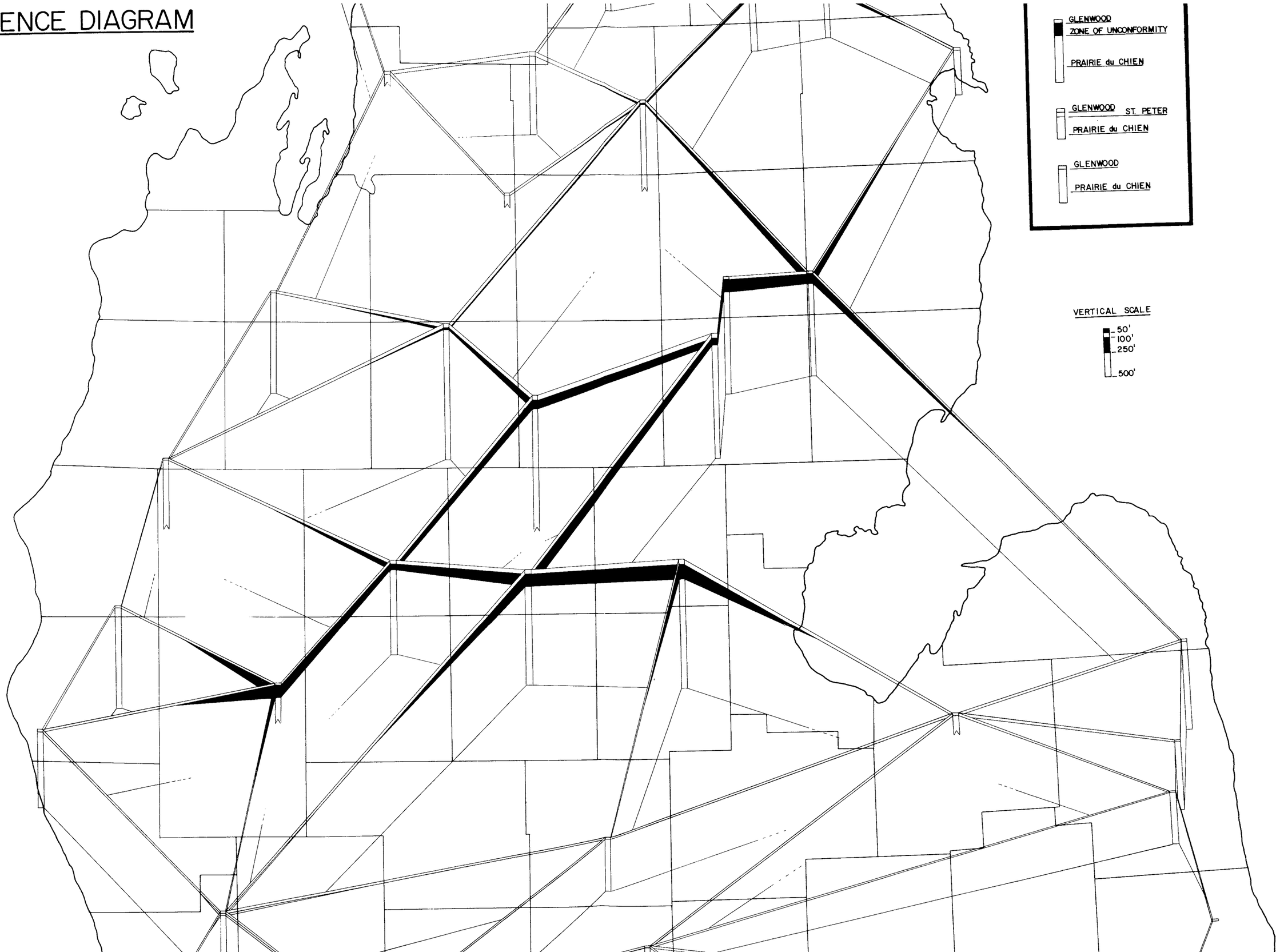
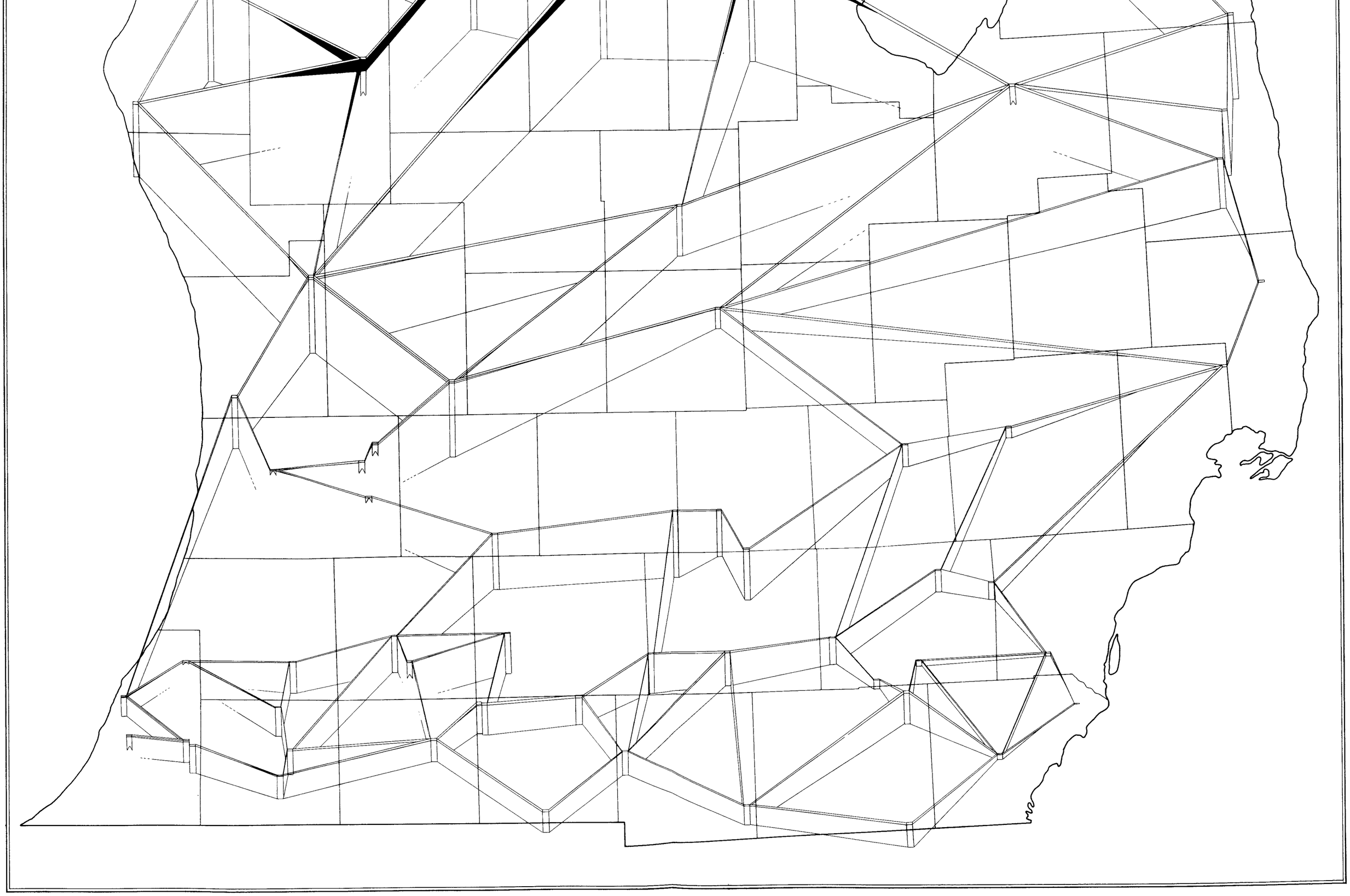
SCALE

Horizontal Scale
None
Vertical Scale
0
50'
100'

ILLUSTRATION NO. 1

LOWER ORDOVICIAN FENCE DIAGRAM

SELECTED STUDIES
OF
CAMBRO-ORDOVICIAN SEDIMENTS
WITHIN THE
MICHIGAN BASIN
C. ROBERT RESZKA, 1983
MICHIGAN GEOLOGICAL SURVEY



FENCE DIAGRAM