Siloam, Colorado

Lincoln Limestone Member of Greenhorn Limestone

Graneros Shale

TIME LINE

23
18
12
10
8
6
3
1

D5712 *Acanthoceras muldoonense*

D5711 *Acanthoceras granerosense*

D5710

D5709

Calycoceras gilberti

D3002
D5708
Calycoceras leonense
Turrilites acutus

Muldoon Hill, Colorado

42
40
36
34
32
26
20
16
14
12
10
8
3
1

D5149

Acanthoceras amphibolum

D5148 *Turrilites* sp.

Ostrea beloiti

D5147 *Acanthoceras* sp.

D5146

Acanthoceras muldoonense

D5145
Euomphaloceras cf. *E. lonsdalei*
Stomohamites cf. *S. simplex*
Turrilites (Euturrilites) scheuchzerianus
Calycoceras? sp.

D5144

Acanthoceras granerosense

D5718

D5716

Calycoceras gilberti

1323
22883
Calycoceras leonense
Euomphaloceras cf. *E. cunningtoni*
Borissiakoceras compressum
Turrilites (Euturrilites) sp.

Principal reference section of Graneros Shale, Rock Canyon anticline, Pueblo, Colorado

Marker bed

69
68
64
62
57
55
51
47
43
37
35
33
31
29
26
25
21
17
15
11
9
7
5
3
1

22887, D3966
Turrilites acutus americanus
Desmoceras sp.
Tarrantoceras rotatile
Borissiakoceras sp.

Acanthoceras amphibolum

D5153
Acanthoceras amphibolum?

D5152

D1306, D3965

D5294

Acanthoceras muldoonense

D5729

D3963
Epengonoceras dumbli?
Stomohamites sp.

D5151
Acanthoceras granerosense

D5728

Calycoceras gilberti

Limestone Thatcher

D3964
Stomohamites cf. *S. simplex*

D1305
D3970
Anisoceras cf. *A. plicatile*
Stomohamites cf. *S. simplex*

D4445, D5150
Borissiakoceras compressum
Euomphaloceras cf. *E. cunningtoni*

D3971
Fish parts

Old Hatchet Ranch, Greenhorn Creek, Colorado

31
29
25
15
13
11
7
5
1

D5126
Acanthoceras amphibolum

bentonite bed

D5125
Acanthoceras muldoonense

D5292

Acanthoceras granerosense

D5124
Turrilites (Euturrilites) scheuchzerianus

D5291

D5290

D5289

Calycoceras gilberti

D5123
Stomohamites sp.
Eucalycoceras sp.

D5122

Fish parts Member

Model anticline, Colorado (Bass, Straub, and Woodbury, 1947)

Kearny County, Kansas (Bass, 1926b)

Ellsworth County, Kansas (Hattin, 1965b)

TIME LINE

Mitchell County, Kansas (Byrne, Johnson, and Bergman, 1951)

Dakota Sandstone

Beaver Creek, Colorado

Dakota Sandstone

Dakota Sandstone

Dakota Sandstone

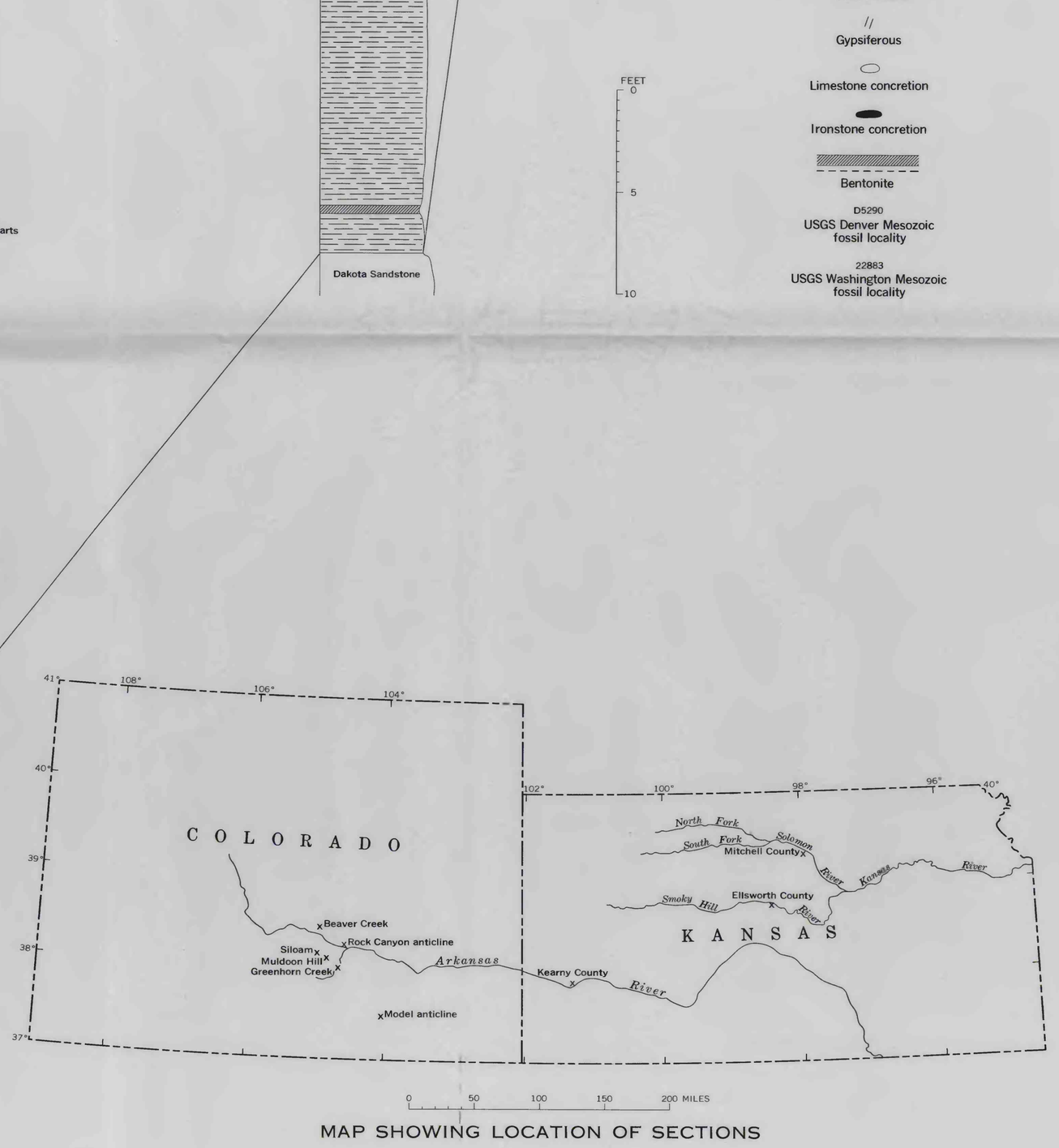
Dakota Sandstone

Dakota Sandstone

EXPLANATION

- Sandy limestone
- Limestone
- Shale
- Siltstone
- Calcareous shale
- Sandy shale
- Sandstone
- Cone-in-cone
- // Gypsiferous
- Limestone concretion
- Ironstone concretion
- Bentonite
- D5290 USGS Denver Mesozoic fossil locality
- 22883 USGS Washington Mesozoic fossil locality

FEET
0
5
10



MAP SHOWING LOCATION OF SECTIONS

COLUMNAR SECTIONS OF THE GRANEROS SHALE IN COLORADO AND KANSAS

487-487 O - 72 (In pocket)