B

SOUTHWEST

B'

NORTHEAST

DEVONIAN

UPPER

FAMENNIAN

FRASNIAN

MIDDLE

GIVETIAN

SIMONSON DOLOMITE

CRYSTAL PASS LIMESTONE MEMBER, MOWITZA SHALE, AND EQUIVALENTS

GUILMETTE FORMATION AND EQUIVALENTS

COVE FORT QUARTZITE

LIM

LIME MOUNTAIN
SW¼ sec. 23 (unsurveyed)
T. 8S., R. 7OE.
LINCOLN COUNTY
NEVADA

BLN

BLAWN MOUNTAIN
SE¼ SW¼ sec. 23
T. 29S., R. 15 W.
AND
NE¼ NW¼ sec. 5
T. 30S., R. 15W.
BEAVER COUNTY
UTAH

MWZ

MOWITZA MINE
SW¼ SW¼ sec. 24
AND
NE¼ NE¼ sec. 25
T. 28S., R. 12W.
BEAVER COUNTY
UTAH

DVM

DOG VALLEY MOUNTAI.
SE¼ sec. 16
AND
NE¼ sec. 23
T. 24S., R. 6W.
MILLARD COUNT
UTAH

NGM

NORTH GILSON MOUNTAINS
NW¼ NE¼ sec. 33 (unsurveyed)
T. 13S., R. 3W
JUAB COUNTY
UTAH

PIN

PINYON PEAK
E½ SE¼ sec. 33
T. 9S., R. 2W.
UTAH COUNTY
UTAH

DATUM

BASE OF KINDERHOOKIAN

BASE OF UPPER POLYGNATHUS STYRIACUS ZONE

12.5 km

MOWITZA SHALE

PINYON PEAK LIMESTONE EQUIVALENT

PINYON PEAK LIMESTONE

FITCHVILLE FORMATION

VICTORIA FORMATION

UPPER PART, BLUEBELL DOLOMITE

LOWER PART OF BLUEBELL DOLOMITE

SERVY DOLOMITE-SIMONSON DOLOMITE UNDIFFERENTIATED

LAKETOWN DOLOMITE

SIMONSON DOLOMITE

SILURIAN

LIM-1(?)
LIM-4*
REVERSE FAULT

MWZ-7*
MWZ-6
MWZ-5
MWZ-4
MWZ-3
MWZ-2
MWZ-1
MWZ-1A
MWZ-1B

DVM-1*
LDD-1(?)
LDD-2(?)
LUI-3

NGM-1C
NGM-1*
NGM-2*
NGM-1E

EUFB-1
PIN-5
PIN-6
PIN-7
PIN-1
PIN-3
PIN-4(?)*
PIN-8(?)*
PIN-6F(?)*
PIN-16*
PIN-17*
PROPORA AND REUSCHIA *

GUILMETTE FORMATION AND EQUIVALENTS				
PINYON PEAK LIMESTONE	FAMENNIAN	UPPER	DEVONIAN	
LOWER PART OF BLUEBELL DOLOMITE	FRASNIAN			ORD.
(CMK PL.) FITCHVILLE FORMATION	UPPER PART	KINDERHOOKIAN		
		LOWER		MISSISSIPPIAN

EXPLANATION

- Limestone
- Sandy limestone
- Cross laminated, sandy, limestone
- Silty limestone
- Wavy bedded limestone
- Dolomite
- Sandy dolomite
- Silty dolomite
- Arenite
- Cross stratified arenite
- Calcareous arenite
- Dolomitic arenite
- Siltstone
- Calcareous siltstone
- Shale
- Calcareous shale
- Breccia fragments
- Covered
- Partially covered
- Intrusive igneous rock
- Fossiliferous
- Nodular
- Lenticular or concretionary
- Chert
- Boring tubes
- Bulbous stromatoporoid
- Amphipora sp.
- Algal
- Rugose corals
- Syringopora corals
- Unconformity
- Formational boundary, queried where uncertain
- Facies boundary
- Datum or approximate time surface, queried where uncertain
- Average dominant current direction

328 FEET 164 0 — 100 METRES 50 0

VERTICAL SCALE

0 12.4 24.8 MILES

0 20 40 KILOMETRES

HORIZONTAL SCALE

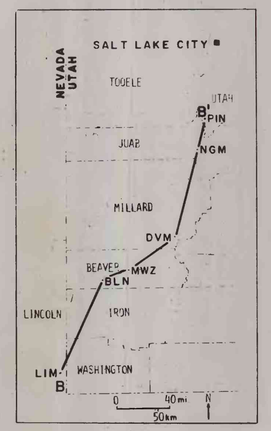

PLATE-2

STRATIGRAPHIC CROSS SECTION OF UPPER DEVONIAN ROCKS LIME MOUNTAIN TO PINYON PEAK

DATUM IS BASE OF COVE FORT QUARTZITE OF CROSBY (1959) AND IS REPRESENTED BY THE BASE OF UPPER POLYGNATHUS STYRIACUS ZONE. THE OTHER TIME SURFACE IS AT THE BASE OF KINDERHOOKIAN.

EDWARD J. BILLER
1976

Open-File Report 76-343
1976

This report is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature.

1 MEASURED SECTION OF THIS STUDY

2 MEASURED SECTION OF MILLER (1966)

3 UNPUBLISHED MEASURED SECTION OF SANDBERG, WRITTEN COMMUNICATION (1975)

4 MEASURED SECTION OF MORRIS AND LOVERING (1961)

PIN-7 CONODONT SAMPLE COLLECTED BY C. A. SANDBERG EXCEPT *, COLLECTED BY E. J. BILLER; QUERIED WHERE SAMPLE POSITION IS UNCERTAIN; SAMPLE IS DATED IN FIGURE 2 AND DESCRIBED IN MEASURED SECTION

PIN-6F* (ONLY) BRACHIOPOD COLLECTION BY E. J. BILLER

EUFB-1 (ONLY) CONODONT COLLECTION BY GUTSCHICK (1976)