UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 464
PLATE 28

A — A′

10 — 9 — Cliff House Canyon (Huddle and Dobrovolny) — 8 — 7 — 6 — 3 — 4 — 2

6 Miles — 2 Miles — 6 Miles — 4 Miles — 4 Miles — 9 Miles — 6 Miles — 10 Miles

Redwall Limestone

Upper unit

Aphanitic dolomite unit

Fetid dolomite unit

Becker Butte Member

Jerome Member

Mixed facies

Increasing limestone-dolomite ratio

Sandstone facies

Dolomite facies

Tracks

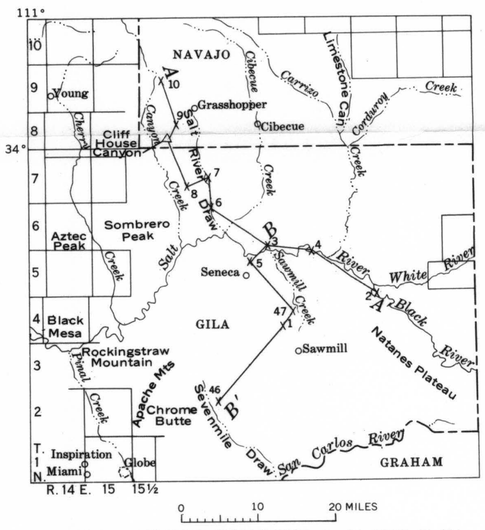
Shale-Sandstone-Shale-sandstone facies

sandstone carbonate facies

Dolomite

Precambrian (undifferentiated)

FEET
0
20
40
60



INDEX MAP FOR SECTIONS A–A′ AND B–B′

x9 Measured section

B — B′

3 — 5 — 47 — 1 — 46

Redwall Limestone

2.5 Miles — 3 Miles — 7 Miles — 13 Miles

Member — Jerome — Upper unit — Aphanitic dolomite unit — Fetid dolomite unit — Becker Butte Member

Mixed terrigenous, clastic, and carbonate facies

Faulted

Precambrian (undifferentiated)

EXPLANATION

ROCK SYMBOLS

- Bedded chert
- Limestone
- Dolomitic limestone
- Sandy limestone
- Cherty limestone
- Biostromal limestone
- Dolomite
- Calcareous dolomite
- Sandy dolomite
- Dolomite breccia
- Cherty dolomite
- Sandstone with limestone nodules
- Poorly exposed
- Crossbedded dolomite
- Dolomite with chert pebbles
- Shale
- Calcareous shale
- Dolomitic shale
- Siltstone
- Sandstone
- Calcareous sandstone
- Dolomitic sandstone
- Conglomeratic sandstone
- Crossbedded sandstone
- Conglomerate
- Covered
- Cherty shale
- Covered or eroded
- Section cut off arbitrarily

FOSSIL SYMBOLS

- Tintinnids
- Globular-shaped stromatoporoids
- Amphipora
- Single rugose corals
- Compound rugose corals
- Tabulate corals
- Bryozoa
- Brachiopods
- Pelecypods
- Gastropods
- Pteropods
- Ostracodes
- Crinoids
- Fish plates
- Calcispheres
- "Umbella"

COLOR SYMBOLS (As given in Rock-Color Chart, 1948)

HUE: Y-GY, YR, R, RP, N

VALUE: 8, 7, 6, 5, <5

GRAIN SIZE SYMBOLS

- Aphanitic
- Very fine
- Fine
- Medium
- Coarse
- Aphanitic to very fine
- Aphanitic to fine
- Aphanitic to coarse
- Very fine to fine
- Very fine to medium
- Very fine to coarse
- Fine to medium
- Fine to coarse
- Medium to coarse

SECTIONS A–A′ AND B–B′, BECKERS BUTTE AND JEROME MEMBERS OF THE MARTIN FORMATION, CENTRAL ARIZONA

745-106 O - 65 (In pocket)