83-A

FIGURE 4.

GEOLOGIC MAP OF THE BUEHMAN CANYON AREA, PIMA COUNTY, ARIZONA

EXPLANATION

Quaternary
- Qa — Alluvium

Tertiary
- Tq — Quiburis Formation
- Ti — Intermediate-to-Mafic Dikes and Plugs

Cretaceous
- Kl — Leatherwood Quartz Diorite

Bisbee Group
- Kb_1 — Weakly Deformed
- Kb_2 — Moderately Deformed
- Kb_3 — Strongly Deformed
- Kb_4 — Very Strongly Deformed

Upper Earp Formation (○○○○ Denotes Conglomerate Member)

Permian
- PPe_2 — Moderately Deformed
- PPe_3 — Strongly Deformed

Horquilla Limestone and Lower Earp Formation

Pennsylvanian
- PPh_1 — Weakly Deformed
- PPh_2 — Moderately Deformed
- PPh_3 — Strongly Deformed
- PPh_4 — Very Strongly Deformed

Escabrosa Limestone

Mississippian
- Me_1 — Weakly Deformed
- Me_1 — Deformed, (xxxxx Denotes Brecciated Zone)

Devonian
- Dm — Martin Formation

Cambrian
- €a — Abrigo Formation
- €b — Bolsa Quartzite

Precambrian Y
- Ys — Diabase Sills
- Ys&Yd — Diabase Sills and Dripping Springs Quartzite, Undifferentiated
- Yd — Dripping Springs Quartzite
- Yp — Pioneer Shale

Precambrian X
- Xp — Pinal Schist

SYMBOLS

- Depositional/Intrusive Contact – dashed where approximately located, dotted where concealed
- Gradational Contact
- Normal Fault, ball and bar on downthrown side – dashed where approximately located, dotted where concealed
- Bedding-subparallel Normal Fault, teeth on hanging wall – dashed where approximately located
- Reverse fault, teeth on hanging wall
- Dip of fault
- Trend and plunge of slickensides on fault
- Strike and dip of bedding
- Strike and dip of overturned bedding
- Strike and dip of foliation, trend and plunge of lineation
- Strike and dip of shear zone, trend and plunge of lineation in zone
- Trend and plunge of pencil structure
- Strike and dip of crenulation cleavage surface, Trend and plunge of intersection lineation
- Strike and dip of joint
- Dip of dike
- Axial trace of syncline
- 2 — Pebble-measuring locality

SCALE 1:6000

1000 feet 0 1000 feet 2000 feet 3000 feet

200 m 0 200 m 400 m 600 m 800 m

CONTOUR INTERVAL 40 FEET

True North / Magnetic North 12½°

ARIZONA

LOCATION

Geology by Ann Bykerk-Kauffman

Base map: U.S. Geological Survey Buehman Canyon 7½' Quadrangle

Cross sections are in the text at a scale of 1:20,000

T11S, R18E

T12S, R18E

32°25'00"

110°32'30"

ABG & MT
MM 83-A

MM 83-A
A-ARS 8 M-T