UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN B-1336
PLATE 1

GEOLOGIC MAP OF THE NE¼ MOUNT UNION QUADRANGLE, YAVAPAI COUNTY, ARIZONA

EXPLANATION

QUATERNARY

Holocene

Qt — Terrace deposits

Pleistocene

Qg — Younger gravels
Contacts approximately located

TERTIARY OR QUATERNARY

Pliocene or Pleistocene

QTg — Older gravels
Contacts approximately located

TERTIARY

Miocene and Pliocene

Thb, Thc, Ths — Hickey Formation
Thb, *basaltic flows*
Thc, *basaltic cinders*
Ths, *conglomerate and sandstone*

CRETACEOUS OR TERTIARY

Upper Cretaceous or lower Tertiary

TKr — Rhyolite porphyry dikes

TKgd — Granodiorite porphyry dikes

TKg — Granodiorite

fp — Feldspar porphyry dike

tg — Texas Gulch Formation
Gray slate, bedded rhyolitic sandstone, rhyolitic tuff, and interbedded conglomerate

fg — Fine-grained granite

pg — Prescott Granodiorite

al, ap — Alaskite and related rocks
al, *coarse-grained alaskite*
ap, *alaskite porphyry, aplite*

gc — Government Canyon Granodiorite

cc — Crooks Canyon Granodiorite

gb — Gabbro and related rocks

qp — Quartz porphyry

PRECAMBRIAN

Age relationship unknown

ika, ikr, ikc, ikat — Iron King Volcanics
ika, *andesitic and basaltic flows*
ikr, *rhyolitic flows*
ikc, *interbedded ferruginous chert and slate*
ikat, *andesitic-rhyolitic tuffaceous rocks*

Yavapai Series

Big Bug Group

Spud Mountain Volcanics

smt, smr, sma, smu — Upper unit
smt, *bedded andesitic tuffaceous sedimentary rocks*
smr, *rhyolitic tuffs and flows*
sma, *andesitic and basaltic flows*
smu, *upper unit undifferentiated*

smb, sma, smct — Lower unit
smb, *andesitic breccia and interbedded tuffaceous sedimentary rocks*
sma, *andesitic and basaltic flows*
smct, *massive-bedded crystal tuff*

ggt, ggr, ggb, ggs — Green Gulch Volcanics
ggt, *rhyolitic and mixed tuffs*
ggr, *rhyolitic flows and tuffs*
ggb, *basaltic flows*
ggs, *slate*

si — Quartz lenses, pods, and veins
Includes some recrystallized chert beds

Vein, showing dip
Includes some alteration along Kit Carson and Silver Belt-McCabe veins

ss — Silicified and sericitized rocks

Contact

Fault

Anticline — Overturned anticline — Overturned syncline

Fold
Showing trace of axial plane, direction of plunge, and direction of dip of limbs. Dashed where approximately located

Folded beds — Folded cleavage

Minor folds and plunge of axis

Inclined — Vertical

Strike and dip of beds

Inclined — Inclined with lineation — Vertical

Strike and dip of foliation
cb, intersection of cleavage and bedding

Top of pillow structure — Top not determined

Strike of pillow structure

Mine — Prospect

Base from U.S. Geological Survey, 1:62,500, 1947
10,000-foot grid based on Arizona coordinate system, central zone

SCALE 1:24 000

1 ½ 0 1 MILE
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1972

Geology by C. A. Anderson 1958–62 and P. M. Blacet, 1959, 1961

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