



EXPLANATION

- QUATERNARY**
- Qr River wash
Contacts approximately located
 - Qt Terrace deposits
 - Qg Reddish gravels
Contacts approximately located
- PLEISTOCENE**
- Thb, Thc, Ths, Thi Hickey Formation
Thb, basaltic flows
Thc, basaltic cinders
Ths, gravels and sands
Thi, latite dome and tuff
- PLIOCENE**
- Tbc, Tbd Rhyolite porphyry dikes
- MIOCENE AND PLEISTOCENE**
- bsg Grandiorite porphyry
 - cbam, ap Crazy Basin Quartz Monzonite
cbam, coarse-grained facies
ap, aplitic and pegmatitic dikes
 - bg, bd Badger Spring Granodiorite
bg, normal facies
bd, mafic border facies
 - gb Bumblebee Granodiorite
gb, normal facies
bd, mafic border facies
 - gbb Gabbro
 - qdp Quartz diorite porphyry
- UPPER CRETACEOUS OR LOWER TERTIARY**
- ika, ikab, ikr, ikc Iron King Volcanics
ika, andesitic and basaltic flows
ikab, mafic flows with inclusions of chert and limestone
ikr, rhyolitic tuffs, flows, and intrusive masses
ikc, ferruginous chert
 - ap, aqtr Quartz porphyry
aqtr, quartz porphyry mixed with rhyolite
- YAVAPAI SERIES**
- Big Bug Group**
- smt, sms, smc Upper unit
smt, andesitic tuffaceous rocks
sms, sedimentary rocks. Grades southward to mica schist
smc, gray ferruginous chert
 - smb, sma, smrh, smbt Lower unit
smb, andesitic breccia
sma, andesitic and basaltic flows (also in upper unit)
smrh, rhyolitic breccia, flows, and intrusive masses
smbt, mixed andesitic and rhyolitic bedded tuffaceous rocks
smc, ferruginous chert
- SPRUDE MOUNTAIN VOLCANICS**
- sl Quartz lenses, pods, and veins
Include some recrystallized chert beds
 - ss Silicified and sericitized rocks
- CONTACT**
- FAULT**
- EA 25 Plunge of minor fold axes
 - CB 70 Plunge of cleavage-bedding intersection
 - Inclined Strike and dip of beds
 - Vertical Strike and dip of beds
 - Inclined Strike and dip of foliation
 - Vertical Strike and dip of foliation
 - cb, plunge of intersection of cleavage and bedding
 - cr, plunge of crumpled foliation
 - Strike of pillow structure
 - Strike and dip of joints

Base from U.S. Geological Survey, Mayer 1:62,500, 1947

SCALE 1:24,000

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C., 1972-67184
Geology by C. A. Anderson, 1964-67

GEOLOGIC MAP OF THE CORDES AREA, YAVAPAI COUNTY, ARIZONA