

U.S. GEOLOGICAL SURVEY
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AREAL GEOLOGY

ARIZONA
BRADSHAW MOUNTAINS
QUADRANGLE

LEGEND

Onyx marble
(see spring traverses,
probably of Tertiary age)

SEDIMENTARY ROCKS
(Areas of sedimentary
deposits are shown by
patterns of parallel lines,
subhorizontal deposits by
patterns of dots and cir-
cles; metamorphism is
shown by parallel wavy lines
which indicate the direc-
tion of banding or
strike)

Qal
Alluvium
(loam and gravel
of streams)

Yavapai schist
(chiefly rhyolite, andesite,
and hornblende schist with
interbedded lenses of
quartzite and mica-schist;
metamorphism is shown
by parallel wavy lines
which indicate the direc-
tion of banding)

Metamorphic
Homblende schist
phase of Yavapai
formation
(chiefly hornblende-
quartzite, mica-schist,
and hornblende)

IGNEOUS ROCKS
(Areas of igneous rocks
are shown by patterns of
triangles and rhombs;
metamorphism is shown
by parallel wavy lines
which indicate the direc-
tion of banding)

Tb
Trachydolerite
(plagioclase and quartz
with crystal-lined cavities)

Tb
Basalt
(black basalt, vesicular
and massive)

Tan
Andesite
(chiefly rhyolite and
hornblende andesite; rare
dikes)

Tva
Volcanic
agglomerate
(gravel, sand, and tuff)

Trp
Rhyolite tuff
(white or greenish
vitric ash)

Trp
Rhyolite
porphyry
(dark-colored, probably
in part volcanic)

ad
Acid dikes
(light-colored, rhyolite,
porphyry, granite, quartz,
and syenite porphyry)

gd
Basic dikes
(chiefly dark-colored,
diabase, gabbro,
and gabbro)

mp
Quartz diorite
(a granite, quartz-mica-
hornblende rock)

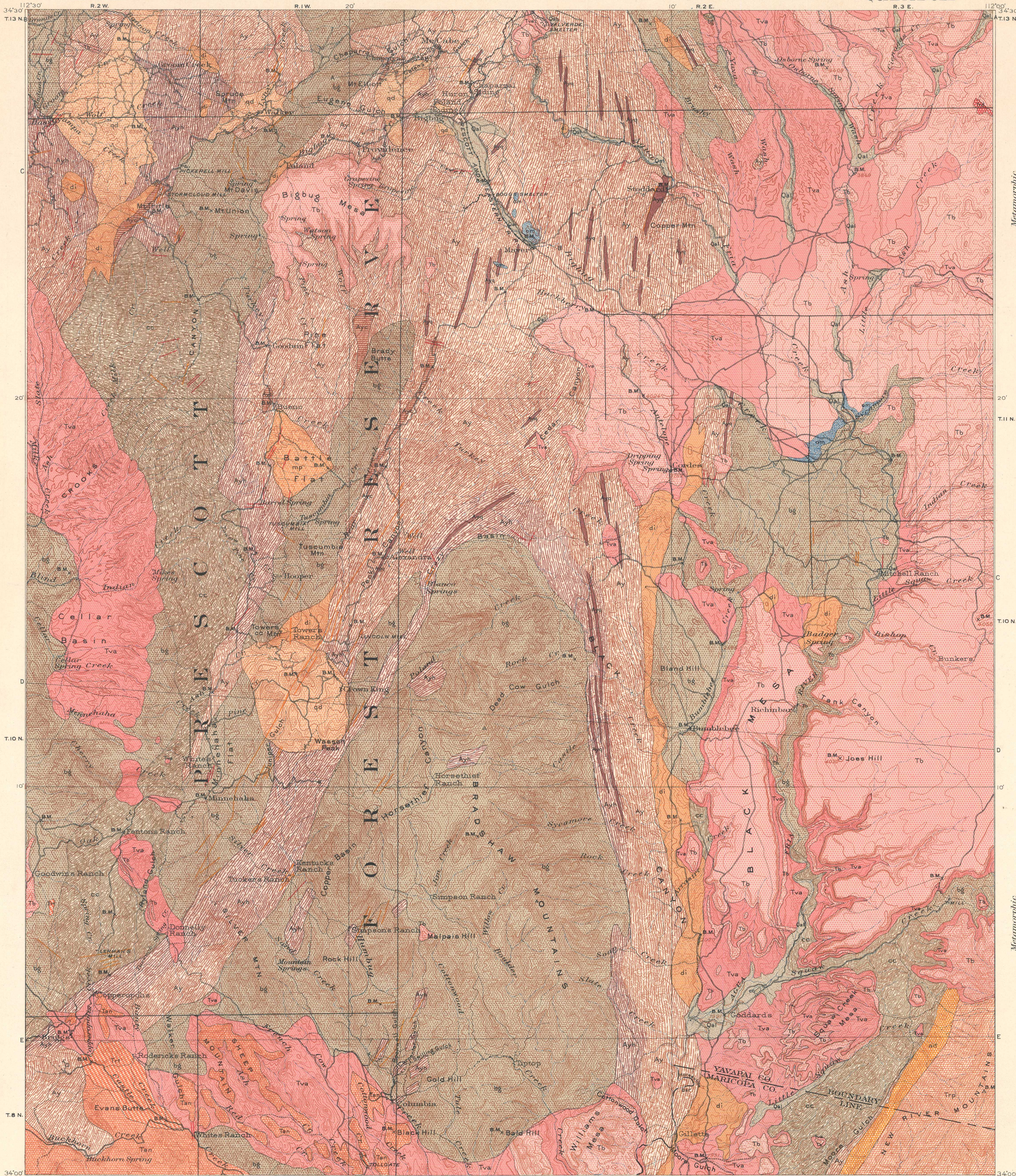
di
Monzonite
porphyry
(igneous rock containing
quartz, hornblende, and
plagioclase)

di
Diorite
(hornblende-plagioclase
rock, varying to gabbro
forms)

cc
Crooks complex
(irregular bands of diorite,
granite, and schist,
some breccia)

bg
Bradshaw granite
(granite, quartz, and mica-
hornblende, some schist
inclusions)

Sections
A
B
C
D
E



E. M. Douglas, Geographer in charge.
Triangulation by H. L. Baldwin Jr.
Topography by T. M. Bennett, F. E. Matthes, and A. Stiles.
Surveyed in 1900-01.

Scale 1:250,000
1 inch = 2 miles
1 centimeter = 0.625 miles
1 kilometer = 0.625 miles

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Diagram of Township
6 S 12 E 11 N
7 S 12 E 11 N
8 S 12 E 11 N
9 S 12 E 11 N
10 S 12 E 11 N
11 S 12 E 11 N
12 S 12 E 11 N
13 S 12 E 11 N
14 S 12 E 11 N
15 S 12 E 11 N
16 S 12 E 11 N
17 S 12 E 11 N
18 S 12 E 11 N
19 S 12 E 11 N
20 S 12 E 11 N

Geology by T. A. Jagger Jr. and C. Palache.
Surveyed in 1901.