U. S. GEOLOGICAL SURVEY
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DIRECTOR

ECONOMIC GEOLOGY

ARIZONA
BRADSHAW MOUNTAINS QUADRANGLE

NAMES OF MINES.

(Indicated on the map by numbers)

1. Iron King.
2. Silver Belt.
3. McCabe.
4. Gladstone.
5. Little Kicker.
6. Rebel.
7. Little Jessie.
8. Dividend.
9. Gopher.
10. Henrietta.
11. Cyprus.
12. Boggs.
13. Stoddard.
14. Hackberry.
15. Sterling.
16. Lottie.
17. Annie.
18. Mammoth.
19. Great Belcher.
20. Red Rock.
21. Poland.
22. President.
23. Mudhole.
24. Amulet.
25. Homerun.
26. Little Giant.
27. Empire.
28. Monte Cristo.
29. Silver King.
30. Silver Flake.
31. Jersey Lily.
32. Blue Dick.
33. Senator.
34. Cash.
35. Crook.
36. Mayflower.
37. Blue Bell.
38. Whale.
39. Copper Buster.
40. Peck.
41. Black Warrior and Silver Prince.
42. Tuscumbia.
43. Mohawk.
44. Buster.
45. Hoosier.
46. Del Pasco.
47. Gladiator.
48. Lincoln.
49. Crown King.
50. Tiger.
51. Luke.
52. Gray Eagle.
53. Ora Bell.
54. Big Belle.
55. Legal Tender.
56. Fortuna.
57. Button.
58. Boaz.
59. Lane.
60. Jones.
61. Whipsaw.
62. Tiptop.
63. Red and Blue.
64. Valencienne.
65. Richinbar.
66. Theising.

LEGEND

Onyx marble (om)
(hot-spring travertine, partly dolomitic; probably of Tertiary age)

SEDIMENTARY ROCKS
(Areas of subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles; metamorphism is shown by parallel wavy lines which indicate the direction of banding or strike.)

Alluvium (Qal)
(loam and gravel of streams)
QUATERNARY

Yavapai schist (Ay, Aye, Ayq)
(chiefly phyllitic mica-schist and hornblende-schist, with limestone lenses, quartzite and siliceous schist lenses; Ayq, schistose conglomerate lenses; Aye,)

Hornblende-schist phase of Yavapai formation (Ayh)
(chiefly hornblende-epidote and staurolite-schists and hornfels)
Metamorphic — ALGONKIAN

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

Trachydolerite (Trd)
(plagioclase-augite rock with crystal-lined cavities)

Basalt (Tb)
(black basalt, amygdaloidal and massive)

Andesite (Tan)
(augite-hypersthene and hornblende-andesites; rarely dacite)

Volcanic agglomerate (Tva)
(gravels, sands, and tuffs)

Rhyolite tuff (Trt)
(white or greenish vitreous ash)

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

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

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

Quartz-diorite (qd)
(a granitic quartz-mica-hornblende rock)

Monzonite-porphyry (mp)
(gneissic rock containing quartz, hornblende, and plagioclase)

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

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

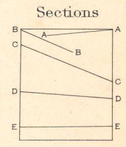
Bradshaw granite (bg)
(gneissic granite, sometimes very coarse, many schist inclusions)
PROBABLY ALGONKIAN

Probably productive formations

Onyx marble (om)
(ornamental stone)

Gold, silver, and copper veins showing strike and dip
Gold, silver, and copper mines and prospects
G. Gold.
S. Silver
CP Copper
Mines, character unknown
ONYX *Onyx marble quarry*

Sections



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

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

APPROXIMATE MEAN DECLINATION 1902.

Scale 1/125000
1 0 1 2 3 4 5 Miles
1 0 1 2 3 4 5 Kilometers

Contour interval 100 feet.
Datum is mean sea level.
Edition of April 1905

DIAGRAM OF TOWNSHIP

6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	