

LEGEND

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles; metamorphism is indicated by hachures combined with the time patterns.)

Qal
Alluvium
(sand and gravel along present valleys and local talus accumulations)

Qg
Gila conglomerate
(thick, thin-bedded deposits of irregularly bedded sandstone and sand, locally consolidated)

Kp
Pinkard formation
(alternating brown sandstone and shaly limestone, locally consolidated)

Ct
Tule Spring limestone
(heavy-bedded blackish-gray limestone in north-west part of quadrangle; contains Mississippian and Pennsylvanian fossils)

Cm
Modoc limestone
(heavy-bedded gray limestone, sometimes magnesian in lower part; contains Mississippian fossils)

Dm
Morenci formation
(thick, clay shale with argillaceous limestone locally in lower part)

Ol
Longfellow formation
(heavy-bedded brown limestone, shaly and micaceous in lower part; usually cherty and sometimes magnesian)

Cc
Coronado quartzite
(brown and red quartzite, usually with basal conglomerate)

ps
Pinal schist
(felsic quartzite, locally containing small masses of amphibolite)

IGNEOUS ROCKS
(Areas of igneous rocks are shown by patterns of triangles and rhombs)

Ta
Andesite
(earthen flows and dikes, representing two epochs of eruption)

Tb
Basalt
(thick, dark-colored, surface flows, usually tuftaceous; represents two epochs of eruption)

Tr
Rhyolite
(thick, light-colored, surface flows, usually much buff and loamy; represents three epochs of eruption)

Dikes of rhyolite, basalt, and andesite

gp
Granite-porphry, quartz-monzonite-porphry, and diorite-porphry
(with transition phases; occur in dikes, stocks, and local outcrops; dikes of diabase, db)

gr
Granite
(intrusive masses in Pinal schist)

Known faults

Concealed faults
(covered by younger deposits)

Sections

Strikes and dip of stratified rocks

Strikes and dip of schistose cleavage

Mineral veins, chiefly copper, showing strike and dip

Mineral deposits, other than veins

Mines, chiefly copper

Prospect pits

Tunnels

MINING PROPERTIES.

Location indicated on the map by numbers.

1. Arizona Central. 26. Mammoth.

2. Copper Mountain. 27. Iolanthe.

3. Humboldt. 28. Antietam.

4. Hormeyer. 29. Shannon (2 shafts)

5. Liverpool. 30. Shirley.

6. Yavapai. 31. Metcalf Mines.

7. West Yankie. 32. Jameson.

8. Longfellow. 33. King.

9. Clay. 34. Standard.

10. Caynga. 35. Markeen.

11. Producer. 36. Olivette.

12. Fairbanks. 37. Copper King.

13. Copper Queen. 38. Virginia.

14. Mexican. 39. Delaware.

15. Las Terrasses. 40. Raton.

16. Copper Plate. 41. Veiled Prophet.

17. Keating. 42. Trilby.

18. Coronado (2 shafts). 43. Mansfield.

19. Las Trajas. 44. Clifton Consol.

20. Emerald. 45. Colorado.

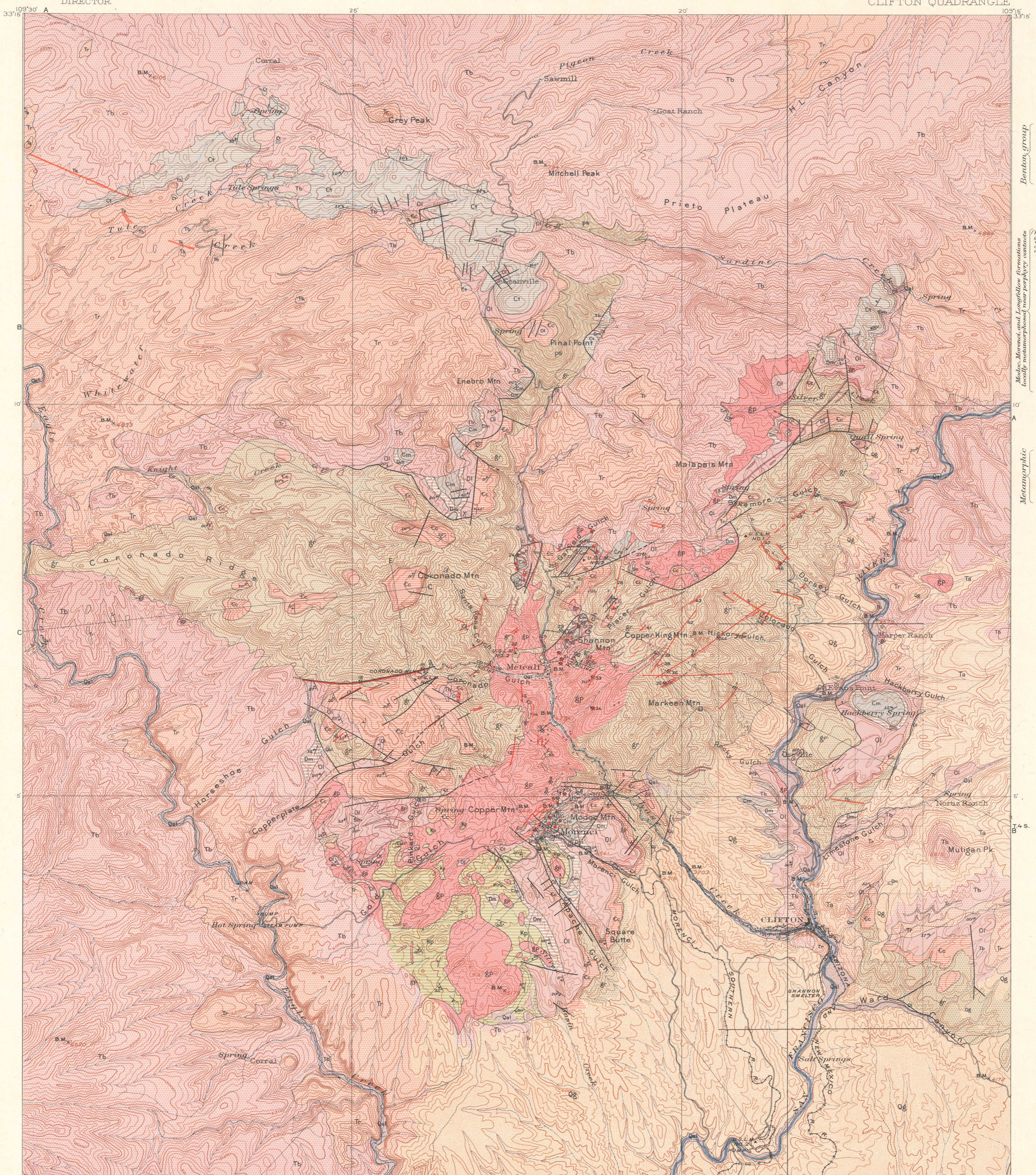
21. Pyramid. 46. Golden Eagle.

22. Ida. 47. Black Prince.

23. Miza. 48. Poland.

24. Stevens Group. 49. Fischer.

25. Brunswick.



E. M. Douglas, Geographer in charge.
Triangulation and topography by Jeremiah Ahern.
Surveyed in 1900-1901.

Scale 1:50,000
Miles
Kilometers

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

DIAGRAM OF TOWNSHIP.
65 4 3 2 1
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24
25 26 27 28 29
30 31 32 33 34

Geology by W. Lindgren and J. M. Boutwell.
Surveyed in 1902.