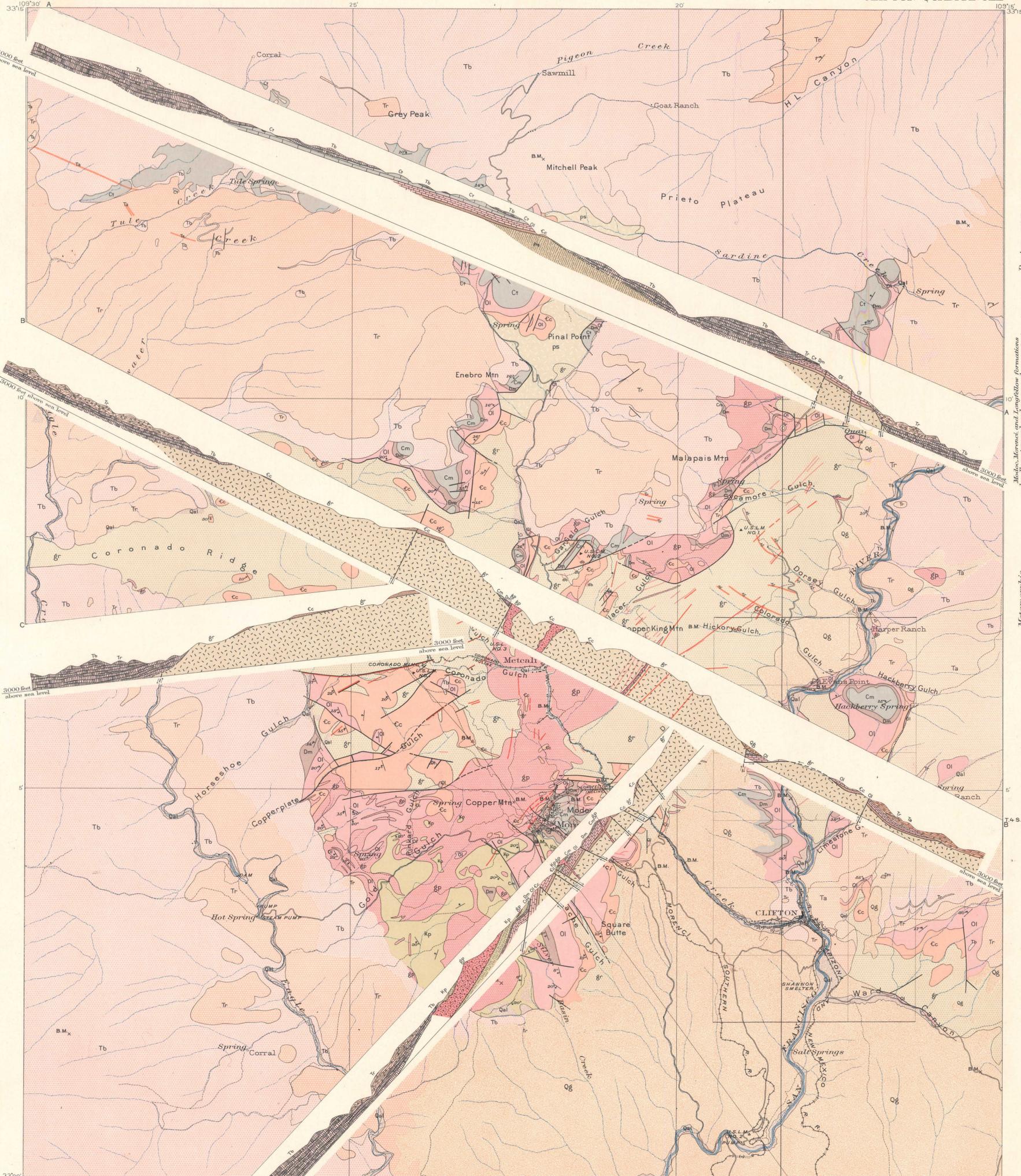


STRUCTURE SECTIONS



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

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

Qg Gila  
conglomerate  
(thick tabular layers  
of irregularly bedded  
conglomerate and sand,  
locally consolidated)

Kp Pinkard  
formation  
(alternating brown sand-  
stone and black shale,  
hardened and metamor-  
phosed near porphyry  
contacts)

Ct Tile Spring  
limestone  
(heavy-bedded bluish-  
gray limestone to north-  
west part of quadrangle;  
contains *Megastrophia*  
and *Fenestrona*)

Cm Modoc  
limestone  
(heavy-bedded gray  
limestone, sometimes  
massive in lower  
part; contains  
*Megastrophia*)

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

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

Cc Coronado  
quartzite  
(brown and red quartz-  
itic sandstone, usually  
with basal conglomerate)

ps Pinal schist  
(sericitic quartz schist  
containing small masses  
of amphibole)

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

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

Tr Rhyolite  
(thick, light-colored  
surface flows with  
much tuff and lava;  
represents three epochs  
of eruption)

gp Dikes of  
rhyolite, basalt,  
and andesite

gr Granite-porphry  
quartz-monzonite-porphry  
and diorite-porphry  
(with transition phases;  
occur in dikes, sills,  
and laccoliths;  
dikes of diabase, db)

gr Granite  
(intrusive masses in  
Pinal schist)

Known faults

Concealed faults  
(covered by younger  
deposits)

Strike and dip of stratified rocks  
Strike and dip of schistose cleavage

Mineral veins, chiefly copper,  
showing strike and dip

Section E-E is fig. 3  
in the text

Diagram of Township  
R. 29 E. R. 30 E.  
T. 11 S. T. 12 S.  
T. 13 S. T. 14 S.  
T. 15 S. T. 16 S.  
T. 17 S. T. 18 S.

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

Scale 1:25,000  
1 2 3 4 5 Miles  
1 2 3 4 5 Kilometers

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

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

APPROXIMATE MEAN  
DECLINATION 1900.

Edition of Oct. 1905.



DIAGRAM OF TOWNSHIP

1	2	3	4	5
6	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	35
36	37	38	39	40

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