

AREAL GEOLOGY

LEGEND

Ql
Landslides

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 line patterns.)

Qfd
Fluvial deposits
(conglomerate with im-
perfectly rounded pebbles,
gravel, and sand)

Kc
Cintura formation
(alternating beds of dull-
red arenaceous shale and tan-
stone with occasional grits
and limestone lenses)

Km
Mural limestone
(thick bedded, gray, ten-
acious, micaceous, shaly,
thin bedded arenaceous
limestone, highly fossiliferous)

Kmr
Morita formation
(alternating beds of dull-red
arenaceous shale and tan-
stone with occasional grits
and limestone lenses)

Kg
Glance conglomerate
(basal conglomerate of
varying character, pebbles
imperfectly rounded
and cherty schist and
limestone, micaceous,
bedded and containing
some shale and sand-
stone)

Cn
Naco limestone
(thin bedded to thick bed-
ded, compact, non-
micaceous, gray or pink,
shaly limestone, locally
massive shale fossils abun-
dant)

Ca
Escabrosa limestone
(thick bedded, non-micaceous,
limestone of granular
texture)

Dm
Martin limestone
(dark gray, compact, non-
micaceous, limestone, thin
bedded to massive, shaly,
massive, locally abundant
subhorizontal, yellow-
taceous shale)

Ca
Abrigo limestone
(thin bedded, cherty, lam-
inated, impure limestone
with some calcareous shale,
locally dolomitic, sandy in
upper portion)

Qt
Bolsa quartzite
(basal conglomerate,
thick bedded, locally
arenaceous, gray, and the
quartzite)

ps
Finnal schist
(fine grained, flinty
quartz, sericite schist,
probably metamor-
phosed sediments)

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

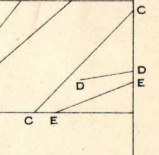
g
Granite
(intrusive stock)

gp
Granite-
porphyry
(with some rhyolite in-
trusive masses, dikes,
and sills)

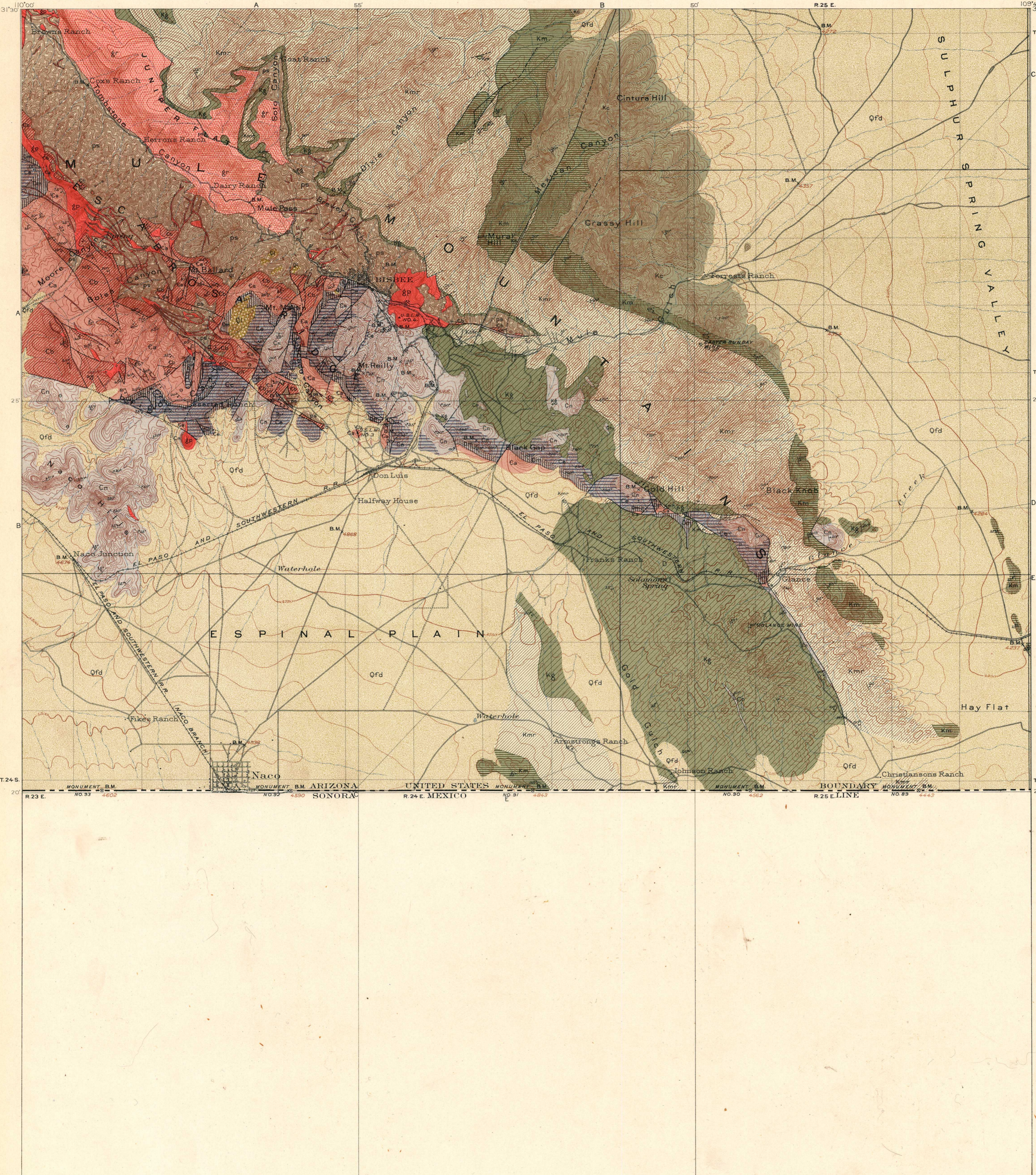
Known faults
(occasionally accompanied
by mineralization)

Concealed faults
(covered by younger
deposits)

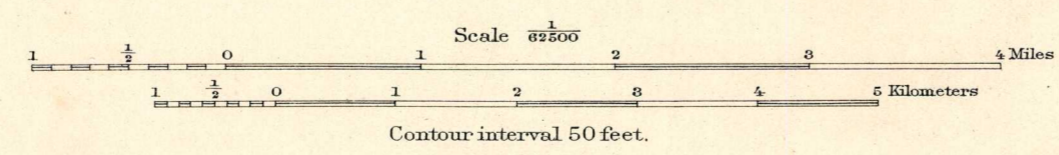
Probable faults



Stippled and dip of stratified rocks
Stippled of vertical beds
Horizontal beds
Dip of fault planes
Strike of vertical schists
Mines



E. M. Douglas, Geographer in charge.
Triangulation and topography by T. M. Bannon.
Surveyed in 1901-1902.



Contour interval 50 feet.
Datum is mean sea level.
Edition of Mar. 1904.

DIAGRAM OF TOWNSHIP

6	5	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	35	36

Geology by F. L. Ransome.
Assisted by J. Morgan Clements
and Alfred M. Rock.
Surveyed in 1902.