

U.S. GEOLOGICAL SURVEY
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AREAL GEOLOGY

WYOMING
(ALBANY COUNTY)
LARAMIE QUADRANGLE

LEGEND

SEDIMENTARY ROCKS
(Areas of subaqueous deposits are shown by patterns of fine lines; subaerial deposits by patterns of dots and circles)

Qal
Alluvium
(only the larger areas shown)

Qg
Gypsum deposits
(in alluvium)

Qt
Higher terrace deposits
(gravel and sand)

Tu
Undifferentiated
Tertiary
(sand, gravel, and
conglomerate)

UNCONFORMITY

Knw
Mesaverde formation
(soft gray massive sandstone with gray shale)

Ks
Steele shale
(dark clay shale)

Niobrara
limestone
(impure chalky)

Kb
Benton shale
(gray shale with sand iron pyrite and sandy hard shale member Km in lower part)

Kc
Cloverly
formation
(hard massive gray to brownish sandstone with purple to gray shale in middle)

Km
Morrison
formation
(massive, light greenish-gray sandstone and thin limestone)

HC
Chugwater
formation
(red sandstone and shale with thick beds of gypsum)

Cf
Fossil
limestone
(green limestone in part gypsumiferous)

Ce
Satanka shale
(red sandy shale with local gypsum deposits)

Ce
Casper
formation
(red and gray sandstone and gray to purple shale)

IGNEOUS ROCKS
(Areas of igneous rocks
are shown by patterns of
triangular lines; degree of
metamorphism is indicated
by hachures)

shg
Sherman
Granite
(coarse pink granite
penetrated by numerous dikes)

ob
Older basic
intrusives
(dark hornblende gabbro,
some plagioclase, some
gneissic; only the
larger masses shown)

gg
Granite
gneiss
(coarse grayish pink,
biotite gneiss, and fine
pink mica-schist)

sgn
Schist and gneiss
(schistose basic and acidic
terrane with biotite and
pink mica-schist)

Faults

Strike and dip of stratified rocks

Mines and quarries

Prospects



E.M. Douglas, Geographer in charge.
Topography by Wm. Stranahan, T.M. Bannon, and R.T. Evans.
Triangulation by Frank Tweedy and R.H. Chapman.
Surveyed in 1903 and 1906.

Approximate mean
decoloration index
18° N.

Scale 1:250,000

Contour interval 50 feet.
Datum is mean sea level.

Edition of Sept. 1909.

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

Geology by N.H. Darton
and C.E. Siebenhaar.
Surveyed in 1905.

18° N.
10' E.
10' S.
10' W.