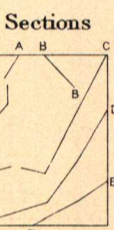


**LEGEND**  
(continued)

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

- b  
Basalt
- rh  
Rhyolite
- pt  
Porphyrite
- dp  
Diorite-porphyrity
- di  
Diorite
- an  
Andesite
- bbr  
Basic andesitic breccia and flows
- g'  
Granite
- Dikes of augite-porphyrity, syenite, etc.
- Dikes of diabase and peridotite

**Faults**



**Sections**



U.S. GEOLOGICAL SURVEY.  
CHARLES D. WALCOTT, DIRECTOR.

**AREAL GEOLOGY**

MONTANA  
THREE FORKS SHEET

**LEGEND**

**SURFICIAL ROCKS**

(Areas of Surficial rocks are shown by patterns of dots and circles.)

- Pald  
Alluvium and drift
- Pgd  
Glacial drift and moraines

**SEDIMENTARY ROCKS**

(Areas of Sedimentary rocks are shown by patterns of parallel lines. Descriptions are indicated by short dashes combined with the parallel lines.)

- Nb  
Bozeman lake beds  
(sand, conglomerate, limestone, clay, and volcanic clay)
- Es  
Sphynx conglomerate
- lv  
Livingston formation  
(conglomerate, sandstone, and andesitic tuff)
- Kl  
Laramie formation  
(sandstone and clay with scars of coal)
- Kmc  
Montana and Colorado formations  
(sandstone, limestone, and shale)
- Kd  
Dakota formation  
(conglomerate, sandstone, and shale)
- Je  
Ellis formation  
(sandy and clayey limestone and quartzite)
- Ca  
Quadrant formation  
(shale and magnesian limestone)
- Cm  
Madison limestone
- Dh  
Three Forks formation  
(shale and magnesian limestone)
- Dj  
Jefferson limestone  
(partly including Shinarump at base)
- Eg  
Gallatin formation  
(limestone and shale)
- Cf  
Flathead formation  
(limestone, shale, and quartzite)
- bi  
Belt formation  
(porphyritic sandstone and arenaceous limestone)
- Ac  
Cherry Creek formation  
(marble, mica-schist, and gneiss)
- Argn  
Gneiss and schist



Henry Gannett, Chief Geographer.  
A.H. Thompson, Geographer in charge.  
Triangulation by J.H. Remondet and E.M. Douglas.  
Topography by the Northern Transcontinental Survey and Frank Tweedy.  
Surveyed in 1886.

N.T. Survey  
F. Tweedy

Scale 250,000  
0 2 4 6 8 10 Miles  
0 2 4 6 8 10 Kilometers

Contour Interval 200 feet

Datum is mean Sea level

Edition of Aug. 1895.

Geology by A.C. Peale  
Surveyed in 1883-89.