

U. S. GEOLOGICAL SURVEY
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DIRECTOR

AREAL GEOLOGY

WYOMING
(JOHNSON COUNTY)
FORT MC KINNEY QUADRANGLE

LEGEND (continued)

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

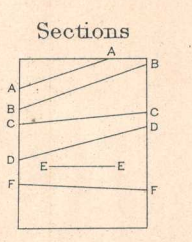
Diabase
(Also cutting granite only the larger dikes shown)

Granite
(gray and red, mostly massive)

Faults

Concealed faults
(covered by later deposits)

Strike and dip of stratified rocks



LEGEND

SEDIMENTARY ROCKS
(Areas of sedimentary deposits are shown by patterns of parallel lines, subhorizontal deposits by patterns of dots and circles)

Qal
Alluvium
(gravel, sand, and loam, only the larger areas shown)

Or
Higher terrace deposits
(gravel and loam)

Qm
Moraines
(of later glacial drift)

Qeg
Earlier glacial drift
(boulders and sand deposits in part discontinuous)

Tbg
Boulders, gravel, and sand
(on high divides and benches)

Kds
De Smet formation
(carbonaceous shale, sandstone, and coal beds with burned-out coal or similar beds in middle and upper portion)

Kk
Kingsbury conglomerate
(local conglomerate composed largely of limestone)

Kpy
Piney formation
(brown sandstone and shale)

Kpm
Parkman sandstone
(light buff fine-grained, massive sandstone)

Kp
Pierre shale
(dark gray shale or clay with concretions)

Kc
Colorado formation
(dark gray shale with thin brown sandstone near base, and lower member known as hard shale and sandstone)

Ksv
Cloverly formation
(coarse buff sandstone overlain by light-colored clay)

Km
Morrison formation
(massive sandy shale, gray, greenish, and brown, with several gray sandstone layers)

Jed
Sundance formation
(soft buff sandstone and greenish shale with local limestone layers)

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Rc
Chugwater formation
(soft red sandstone and shale with thin limestone near top and base, and local gray sandstone layers)

Cs
Tensleep sandstone
(hard massive white sandstone)

Am
Amesden formation
(cherty and fine limestone with sandstone layers, red shale and local brown sandstone at base)

Cm
Madison limestone
(gray limestone, upper part massive and lighter colored)

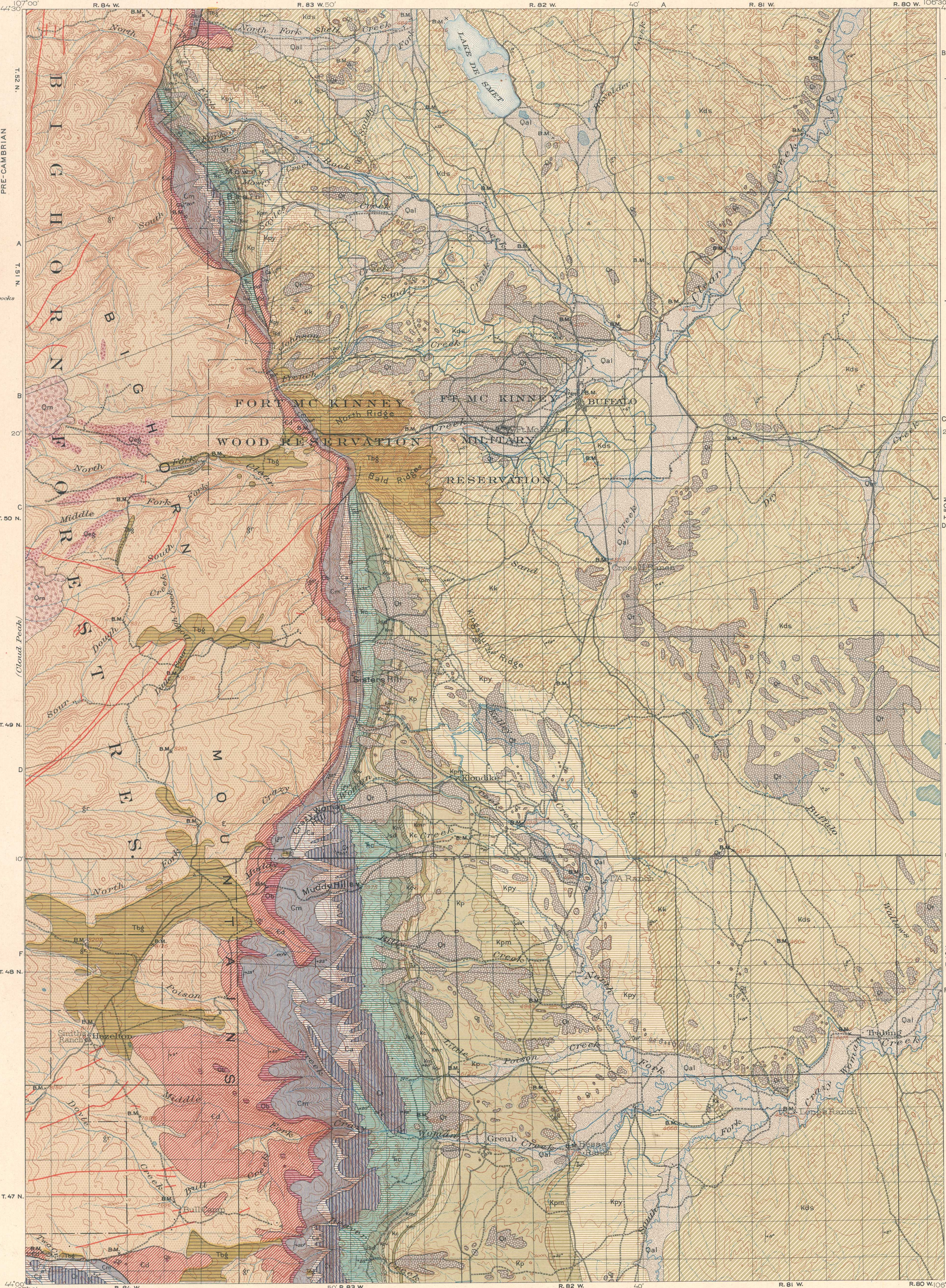
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Ob
Bighorn limestone
(massive buff siliceous limestone, overlain by coralline and thin bedded limestone, gray sandstone at base)

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Ld
Deadwood formation
(buff sandstone, green shale, limestone, and limestone conglomerate)

Legend is continued on the left margin.



E. M. Douglas, Geographer in charge.
Triangulation and Topography by Frank Tweedy.
Surveyed in 1900.

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION 1900.

Scale 1:25000
1 inch = 2 miles
1 centimeter = 0.2 kilometers
Contour interval 100 feet.
Datum is mean sea level.
Edition of Aug. 1906.

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 N. H. Darton,
assisted by C. A. Fisher.
Surveyed in 1901 and 1903.