

PRELIMINARY OUTCROP MAP OF METASEDIMENTARY ROCKS SHOWING LOCATION OF MAFIC BODIES IN THE NORTHERN SIERRA MADRE AREA, CARBON COUNTY, WYOMING

by
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OPEN FILE REPORT
This map is preliminary and has not
been edited or reviewed for conformity
with Geological Survey standards or
nomenclature.

EXPLANATION

SEDIMENTARY ROCKS

- Tbp** BROWN'S PARK FORMATION
(Miocene)
- Js** SUNDANCE FORMATION
(Jurassic)
- Rc** CHUGWATER FORMATION
(Triassic)
- Pd** PHOSPHORIA FORMATION
(Pennsylvanian)
- Cu** SANDSTONE
(Cambrian (?) -
Yellow sandstone, conglomerate near base.

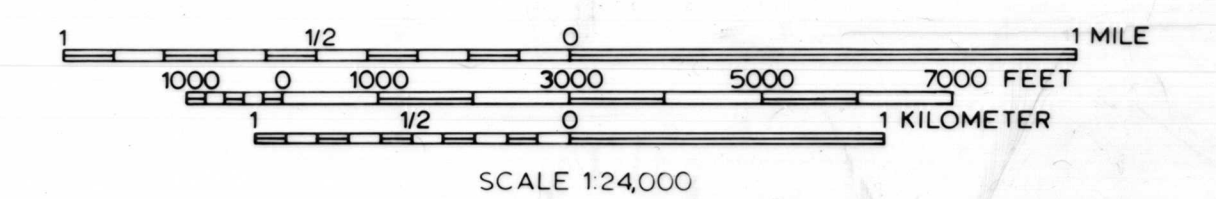
INTRUSIVE ROCKS

- a** AMPHIBOLITE
(Precambrian X) - Orthoamphibolite with relict textures of
mafic igneous rocks including gabbro, pyroxenite, and diabase.
- red gr** GRANITE
(Precambrian X) - Red, gneissic locally.
- gray gr2** GRANITE
(Precambrian X) - Gray, gneissic locally.
- gray gr** GRANITE
(Precambrian W) - Gray, gneissic locally.

LAYERED ROCKS

- hgn** HORNBLENDE GNEISS
(Precambrian X(?) - Texture of some interlayered rocks
suggests volcanic origin.
- q** QUARTZITE
(Precambrian X) - Massive, coarse-grained, with
thick partings.
- aph is** (Precambrian X)
- PHYLITE (aph) - Greenish-brown and greenish-yellow
phylite, interbedded with quartzite.
LIMESTONE (ls) - Metamorphosed quartz limestone
interbedded with gray phyllite.
- q isph pq oc** (Precambrian X)
- QUARTZITE (q) - Massive with thick partings.
PHYLITE (isph) - Interbedded with fine-grained,
metamorphosed limestone and quartzite.
PEBBLY QUARTZITE (pq) - Open framework with matrix of
greenish-brown phyllite.
- aph isph ph** (Precambrian X)
- QUARTZITE (aph) - Slabby, interlayered with gray and
yellow phyllite.
PHYLITE (isph) - Slaty, dark bluish-green.
PHYLITE (ph) - Gray, greenish-gray and yellow gray.
- aph t c** (Precambrian X)
- QUARTZITE (aph) - Slabby interbedded with gray and
yellow phyllite.
PILLOW LAVA AND TUFF (t) - Amphibolitized.
CONGLOMERATE (c) - Open framework, interbedded with garnet-
amphibole-mica schist, two-mica quartzite, and metagraywacke.

- pgn** MICROCLINE GNEISS
(Precambrian W)
Medium-grained, pink.
- ggn** QUARTZ-FELDSPATHIC GNEISS
(Precambrian W)



Base from U.S. Geological Survey Singer Peak, Bridger Peak, and Red
Mountain 7 1/2' topographic quadrangle maps, 1961.

MAP SYMBOLS

- Contact, dashed where approximate, dotted
where inferred.
- High angle fault, dashed where approximate,
dotted where inferred. Letters or arrows
indicate relative motion. Dip of fault plane
shown.
- Strike and dip of beds.
- Strike and dip of foliation.
- Plunge and horizontal projection of axis of
symmetrical fold or crinkle.
- Plunge and horizontal projection of axis of
asymmetrical fold. Curved arrow points
toward short limb.
- Plunge and trend of mineral lineation.
- Quartz vein.
- Cross bedding. Top indicated by T.
- Graded bedding. Top indicated by T.
- Mylonitic or intensely fractured zones.
- Mine shaft.
- Mine adit.
- River or stream.
- Continental divide.
- Sample location and number.
- Area mapped in detail and shown on Plate 3.

