

LEGEND

(continued)

IGNEOUS ROCKS

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

(Great Falls)

NEOCENE

Nrp

Rhyolite-porphyry

Ngr

Castle granite

Ndi

Robinson diorite

Edi

Loco diorite

Egr

Crazy Mt. granite

Eap

Andesite-porphyry

Etp

Trachyte-porphyry

Eth

Theralite

EOCENE

bp

Barker porphyry

dp

Diorite-porphyry

sy

Syenite and syenite-porphyry

mz

Monzonite

sh

Shonkinite

pd

Pinto diorite

np

Neihart porphyry

(altered rhyolite porphyry)

Faults

Sections

A B C D E

Vertical dip and strike of stratified rocks

Horizontal dip and strike of stratified rocks

Horizontal stratified rocks

Mineral bearing veins

Silver and gold mines

Other mines

Prospects

Known productive formations

Coal

(Cassidy and Laramie formations containing coal seams at the top and bottom of the Yellowstone and Livingston formations, however, uncertain to the coal.)

Silver

(contact zones favorable for ore deposits)

Three Forks

NEOCENE

Basalt

Nr

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

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NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

Basalt

Nb

Rhyolite

Nrb

Rhyolite-breccia and tuff

NEOCENE

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