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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 478
PLATE 2

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EXPLANATION

QUATERNARY — *Recent* / *Pleistocene*

- Qal — Alluvial deposits
- Qg — Glacial and glaciofluvial deposits
- QTog — Channel and terrace gravels. *Older than alluvial deposits*

TERTIARY AND QUATERNARY

- TKld — Lamprophyre dikes. *Solid where exposed; dashed where approximately located*
- TKd — Dikes undifferentiated. *Solid where exposed; dashed where approximately located. Includes varieties of lamprophyre, diabase, and diorite mainly as dikes but also as small irregular bodies*
- TKdd — Diabase and diorite dikes. *Solid where exposed; dashed where approximately located*

CRETACEOUS(?) OR TERTIARY(?)

PRECAMBRIAN — *Belt Series*

- pCsp — Striped Peak Formation. *Interbedded quartzite and argillite with some arenaceous dolomitic beds; usually thin bedded. Colors range from purplish gray and very pale pink to gray and green. Mud cracks and ripple marks common*
- pCwu3, pCwu2, pCwu1, pCwl — Wallace Formation. *Argillite and quartzite, dolomitic or calcareous in varying degree; and impure dolomite. Upper part of Wallace Formation is divided in following units:*
  - *pCwu3, thinly laminated medium- to dark-gray argillite*
  - *pCwu2, banded light- to dark-gray arenaceous dolomite, dolomitic quartzite, and minor argillite; carbonate-bearing beds weather rusty red*
  - *pCwu1, thinly laminated argillite*
  - *pCwl, lower part of the Wallace Formation. Light-gray dolomitic and calcareous quartzite interbedded with medium- to dark-gray argillite. Some impure dolomite beds near top. Mud cracks are characteristic. Ripple marks, small scale crossbedding, and molar-tooth and ovoid structures in some layers*
- pCs — St. Regis Formation. *Thick-bedded impure to pure quartzite at base, grades upward to interbedded and interlaminated impure quartzite and argillite that comprise bulk of formation. Characteristically thin bedded and many layers laminated. Predominantly purplish red and red of grayish cast; argillite is darker. Some carbonate-bearing beds, mostly in upper part. Ripple marks, mud cracks, and mud-chip breccia in some layers*
- pCr — Revett Quartzite. *Thick-bedded vitreous nearly white quartzite containing interbedded impure and nearly pure quartzite in upper and lower parts, and a few widely spaced argillite partings. Crossbedded and laminated in part*
- pCrb — Revett Quartzite and Burke Formation undifferentiated. *Contains rock types and features similar to those described for each formation. Undifferentiated because of poor exposures and because of areal extent of the broad gradational contact zone between the formations in the South Fork Ridge area*
- pCb — Burke Formation. *Light- to greenish-gray fine-grained impure quartzite with lesser amounts of nearly white to light-gray nearly pure to pure quartzite. Contains a few layers of pale-red quartzite. Beds predominantly 2 to 6 in. thick. Ripple marks and pseudoconglomerate are common*
- pCpu, pCpq — Prichard Formation. *Thin- to thick-bedded medium- to dark-gray quartzose argillite and argillite, banded and laminated in part; pyrite abundant and concentrated in irregular grains and crystals alined parallel to bedding. Weathers rusty red*
  - *pCpu, upper part of the Prichard Formation; light-gray to nearly white pure to impure quartzite interbedded with laminated argillite. Quartzite beds 2 to 18 in. thick. Ripple marks, mud cracks, and graded bedding are common. Mapped separately only in part of map area*
  - *pCpq, nearly white to light-gray impure to pure quartzite. Individual quartzitic zones may be as much as 150 ft thick, are discontinuous and lenslike, and were mapped separately where exposures permitted*

Contact
Showing dip. Dashed where approximately located; short dashed where indefinite, gradational, or obscure

Fault
Showing dip. Dashed where approximately located; dotted where concealed. U, upthrown side, D, downthrown side

Vertical fault approximately located

Doubtful or probable fault
Dotted where concealed

Fault zone
Includes one or more planes of major movement and much crushed and highly foliated rock. Dashed where approximately located; dotted where concealed

Anticline
Showing crestline of fold. Dashed where approximately located

Overturned anticline
Showing crestline of fold and direction of dip of limbs. Dashed where approximately located

Syncline
Showing trough line of fold. Dashed where approximately located

Overturned syncline
Showing trough line of fold and direction of dip of limbs, and direction of plunge of axis. Dashed where approximately located

Strike and dip of beds

Strike and dip of overturned beds

Strike of vertical beds

Horizontal beds

Strike and dip of cleavage

Strike of vertical cleavage

Veins at the surface
Showing dip. Solid where exposed; broken where approximately located
A, veins known to contain base metals
B, veins not known to contain base metals

Veins projected from underground workings
Showing dip. Shown as if veins were continuous to surface, though not necessarily known to crop out

Underground veins, shown on mine map and sections
Showing dip. Dashed where approximately located

Prospect pit or obscure working

Portal of adit

Shaft / Inclined shaft

Underground workings
Showing altitude, in feet, of portal or level

LIST OF MINES AND PROSPECTS IDENTIFIED ON MAP BY NUMBER

1 No name
2 Quaker
3 Fir Tunnel (Silver Bow mine)
4 Keating
5 Kellogg Tunnel (Bunker Hill)
6 No name
7 Teddy No. 1
8 Teddy No. 2
9 Teddy No. 3
10 Enterprise
11 Enterprise Extension
12 Ontario
13 Arizona
14 Vista
15 Nellie
16 O'Conner
17 Sandow
18 North Bunker Hill West
19 North Bunker Hill East
20 North Bunker Hill
21 Bunker Chance
22 Tyler
23 Sweeney
24 Last Chance
25 Stem Winder
26 Reed
27 Phil Sheridan
28 Bluebird
29 Sullivan adits
30 New Hilarity
31 Paramount
32 Alhambra
33 Florence
34 Silver Syndicate
35 Hooper Tunnel (Crescent)
36 Crane
37 Gullickson
38 Jewell Shaft (Sunshine)
39 Polaris
40 Mineral Mountain
41 Highland-Surprise
42 Yankee-Girl
43 Globe
44 Bismark
45 Metropolitan
46 Western Star
47 Wolfson
48 First National
49 Lucky Boy



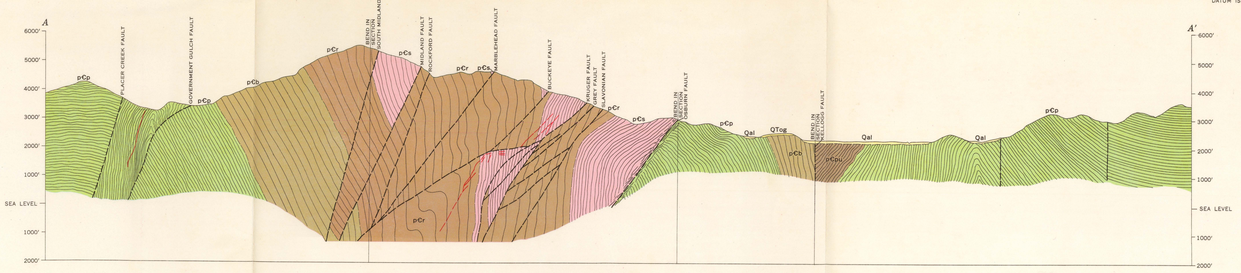
INDEX SHOWING SOURCES OF GEOLOGIC INFORMATION

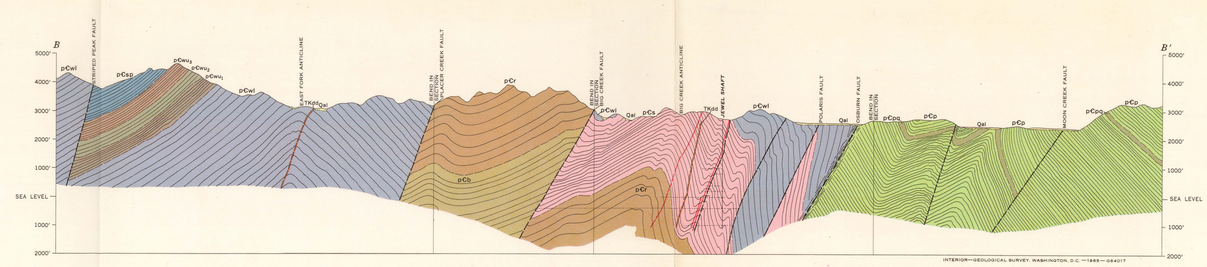
- Ben Bowyer and A. B. Campbell, 1952
- From maps of Bunker Hill Co. Compiled by A. B. Campbell and Ben Bowyer
- From maps of Bunker Hill Co. with revisions and (or) additions by A. B. Campbell and Ben Bowyer
- P. J. Shenon and R. H. McConnel, 1937

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1955

Unedited, advance base maps by U.S. Geological Survey, 1937. Subject to correction

SCALE 1:24 000
1 0 1 MILE
1 5 0 1 KILOMETER
CONTOUR INTERVAL 25 FEET
DATUM IS MEAN SEA LEVEL





GEOLOGIC MAP, SECTIONS, AND GEOLOGY OF SELECTED UNDERGROUND WORKINGS OF KELLOGG AREA, SHOSHONE COUNTY, IDAHO

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