PLEASE REPLACE IN POCKET
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PROFESSIONAL PAPER 478
PLATE 3

U. S. GEOLOGICAL SURVEY
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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXPLANATION

QUATERNARY

Recent

Qal — Alluvial deposits

Pleistocene

Qg — Glacial and glaciofluvial deposits

TERTIARY AND QUATERNARY

QTog — Channel and terrace gravels
Older than alluvial deposits

CRETACEOUS(?) OR TERTIARY

TKld — Lamprophyre dikes
Solid where exposed; dashed where approximately located

TKd — Dikes undifferentiated
Includes diabase, diorite, and monzonite dikes and small irregular bodies on surface geologic map and lamprophyre diabase and diorite dikes on mine map. Solid where exposed; dashed where approximately located

TKds — Diabase and diorite dikes
Solid where exposed; dashed where approximately located

CRETACEOUS

Km — Monzonite and associated rocks
Range from syenite to diorite

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

pCw — Wallace Formation
Argillite and quartzite dolomitic or calcareous in varying degree; and impure dolomite
pCwu, *upper part of Wallace Formation, subdivided where possible into following units:*
pCwu$_3$, *thinly laminated, medium- to dark-gray argillite*
pCwu$_2$, *banded, light- to dark-gray arenaceous dolomite, dolomitic quartzite, and minor argillite; carbonate-bearing beds weather rusty red*
pCwu$_1$, *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*

pCsg / **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 pale red of grayish coat; argillite is darker. Some carbonate-bearing beds, mostly in upper part. Ripple marks, mud cracks, and mud-chip breccia in some layers
pCsg, *uppermost part of formation; thinly laminated light greenish-gray argillite, in part with a porcellaneous appearance; mapped separately where possible*

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

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

pCpq / **pCp** — 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. Graded bedding is common. Ripple marks locally abundant
pCpq, *nearly white to light-gray impure to pure quartzite. Individual quartzitic zones may be as much as 50 ft thick, and are discontinuous or lenticular; mapped separately where exposures permitted. Upper part of Prichard Formation not differentiated on this map*

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 projected from underground workings
Showing dip

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 and direction of plunge of axis. 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 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

Generalized strike and dip of crumpled 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
A, *veins known to contain base metals*
B, *veins not known to contain base metals*

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

Prospect pit or obscure working

Portal of adit

Adit, caved at portal

Shaft

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

LIST OF MINES AND PROSPECTS IDENTIFIED ON MAP BY NUMBER

1 Royal
2 Cogdill
3 Capitol Silver-Lead No. 2
4 Capitol Silver-Lead No. 1
5 Rhode Island No. 2
6 Rhode Island No. 1
7 Terror
8 St. Joe No. 4
9 St. Joe No. 3
10 St. Joe No. 2
11 St. Joe No. 1
12 Capitol Silver Lead
13 Silver Dollar
14 Silver Summit
15 Nellie
16 Silverone-Inspiration
17 Western Union-upper adit
18 Western Union-lower adit
19 Silverton-upper adit
20 Silverton-lower adit
21 Merger mines
22 Coeur d'Alene mines
23 American Silver
24 St. Elmo
25 Rainbow
26 Rainbow
27 Vulcan
28 Galena shaft
29 Wallace Tunnel
30 Peerless (War Eagle)
31 Castle Rock

INDEX SHOWING SOURCES OF GEOLOGIC INFORMATION

Mapped by Ben Bowyer and H. C. Rainey 1962

Mapped by P. J. Shenon and R. H. McConnel, 1937. In part revised by P. J. Shenon, R. P. Full, and R. P. Gerwells, 1952

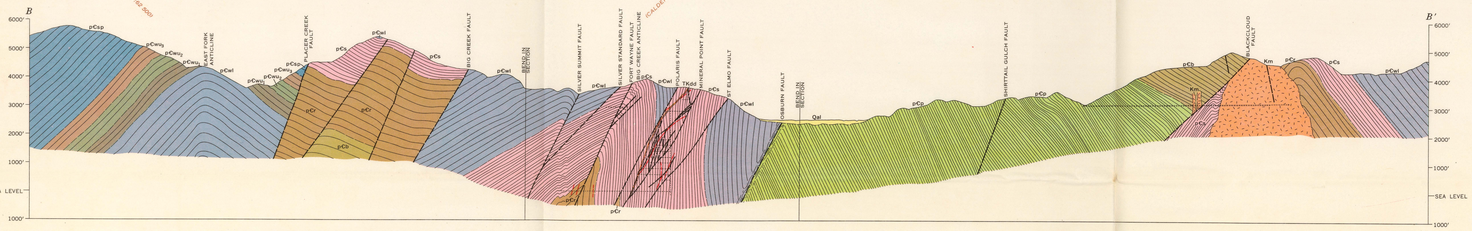
Unedited, advance base maps by U.S. Geological Survey, 1937. Subject to correction

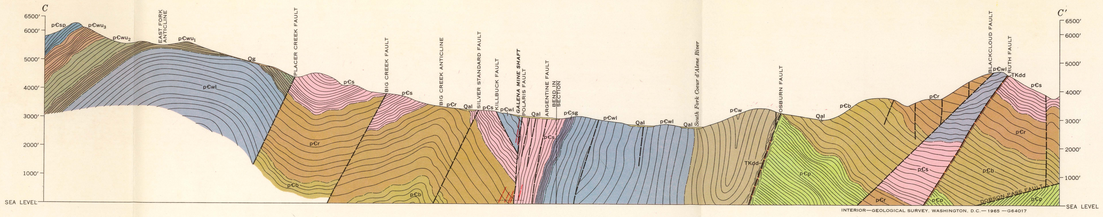
SCALE 1:24 000

1 MILE
1 KILOMETER

CONTOUR INTERVAL 25 FEET
DATUM IS MEAN SEA LEVEL







INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1965—G64017

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