

CORRELATION OF MAP UNITS

Qa, Qc	Holocene	QUATERNARY
Qal, Qd, Qg	Pleistocene	TERTIARY(?)
Tt	Tuff	TERTIARY
Tc	Conglomerate	TERTIARY
Mu	Mississippian rocks	MISSISSIPPIAN
Du	Devonian rocks	DEVONIAN
Cu	Cambrian rocks	CAMBRIAN
Zd	Diorite	PRECAMBRIAN Z
Yms, Yan, Ysh, Ym, Ys	Mount Shields Formation, Meta-andesite, Shepard Formation, Snowslip Formation, Helena Formation, Empire Formation	PRECAMBRIAN Y

LIST OF MAP UNITS

HOLOCENE DEPOSITS

- Qa Alluvium
- Qc Colluvium

PLEISTOCENE DEPOSITS

- Qal Landslide
- Qd Glacial
- Qg Gravel

PLEISTOCENE AND TERTIARY(?) DEPOSITS

- QTg Gravel

TERTIARY(?) ROCKS

- Tt Tuff
- Tc Conglomerate

PALEOZOIC ROCKS

- Mu Mississippian rocks
- Du Devonian rocks
- Cu Cambrian rocks

PRECAMBRIAN Z ROCKS

- Zd Diorite

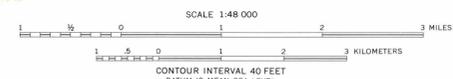
PRECAMBRIAN Y

- Yms Mount Shields Formation
- Yan Meta-andesite
- Ysh Shepard Formation
- Ym Snowslip Formation
- Ys Helena Formation
- Ye Empire Formation

Geological Symbols:

- Contact - Dashed where approximately located; short dashed where inferred; dotted where concealed.
- Normal fault - Dashed where inferred; dotted where concealed; queried where doubtful. Bar and ball on downthrown side.
- Thrust fault - Showing dip. Dashed where inferred; dotted where concealed; queried where doubtful. Sawteeth on upper plate.
- Folds - Showing crestline or troughline, direction of dip of limbs, and direction of plunge. Dashed where inferred; dotted where concealed; queried where doubtful.
- Anticline
- Overtured anticline
- Syncline
- Overtured syncline
- Strike and dip of beds
- Inclined
- Overtured
- Prospect or mine working
- Magnetic contours - Showing total intensity of Earth's magnetic field, in gammas, relative to arbitrary datum. Itachured to indicate closed areas of lower magnetic intensity. Contour interval 20 gammas.
- Location of measured maximum or minimum intensity within closed high or closed low - In gammas.
- Flight path - Showing location and spacing of data.

Base from U.S. Geological Survey, 1:24,000; Bear Lake and Blowout Mountain, 1963; Arrastra Mountain, Carlow Peak, Heart Lake, Silver King Mountain, and Stonewall Mountain, 1968



Geology mapped by R. L. Earhart, 1974. Aeromagnetic survey flown in 1964 at 9,000 ft (2,743 m) barometric elevation with deviations to 10,500 ft (3,200 m) to clear mountain peaks; flightline spacing approximately 2 mi (3.2 km)

GEOLOGIC AND AEROMAGNETIC MAP OF THE PROPOSED ARRASTRA-STONEWALL, AND SILVER KING-FALL CREEK ADDITIONS TO THE SCAPEGOAT WILDERNESS, POWELL AND LEWIS AND CLARK COUNTIES, MONTANA